

UNIVERSITY of
HOUSTON

STUDENT AFFAIRS & ENROLLMENT SERVICES
Office of the University Registrar

2021 – 2022 Graduate Catalog

Table of Contents

Publication Home.....	28
Catalog Definitions & Numbering.....	30
University Profile.....	32
Board of Regents and Administrative Officers.....	38
Fall Term Calendar General Information.....	41
Fall Term 2021 - Session 1 (Regular).....	42
Fall Term 2021 - Session 2.....	44
Fall Term 2021 - Session 3.....	46
Fall Term 2021 - Session 4.....	48
Fall Term 2021 - Session 5.....	50
Fall Term 2021 - Session 6.....	52
Spring Term Calendar General Information.....	54
Spring Term 2022 - Spring/Winter Mini Session.....	55
Spring Term 2022 - Session 1 (Regular).....	57
Spring Term 2022 - Session 2.....	59
Spring Term 2022 - Session 3.....	61
Spring Term 2022 - Session 4.....	63
Spring Term 2022 - Session 5.....	65
Spring Term 2022 - Session 6.....	67
Summer Term Calendar General Information.....	69
Summer Term 2022 - Summer Mini Session.....	71

Summer Term 2022 - Session 1	73
Summer Term 2022 - Session 2	76
Summer Term 2022 - Session 3	79
Summer Term 2022 - Session 4	82
Tuition & Fees	84
Scholarships & Financial Aid	87
Policies	91
General Admission Policy	92
Competitive Fellowship Factors	96
Certification of International Degrees as Bachelor Equivalent	97
Determining Residency for Tuition Purposes	98
Enrollment	99
Auditing Courses	102
Dropping Courses	103
Term Withdrawal	104
99-Hour Doctoral Cap	107
Academic Honesty	108
Academic Modifications for Students with Disabilities	118
Changes of Degree Objective	119
Classification	120
Examinations	121
Excused Absence for Military Service Policy	122
Excused Absence Policy	123
Grading Policies	125
Graduate Certificate Policies	128
Graduation	130
Grievance Policy	132



Intellectual Property.....	135
Religious Holy Days	136
Student Records.....	137
Ad Hoc Interdisciplinary Degree Option.....	141
Application for Candidacy.....	142
Continuous Enrollment	143
Course Load Policy	144
Dual-Degrees, Double Majors, and Minors.....	146
Foreign Language Requirement.....	147
Residency Requirement	148
Termination of Enrollment	149
Thesis/Dissertation.....	150
Time Limitations.....	153
Transfer Credit	154
Qualifications for Appointment	157
Types of Graduate Student Assistantships.....	158
Appointment Procedures	160
Definition of Student Contact.....	161
Mandatory Employment Discrimination Training	162
Duration of Appointment	163
Stipends	164
Conditions of Service.....	165
Insurance Coverage for Graduate Student Assistants	166
Reappointment of Graduate Student Assistantships.....	167
Libraries	168
UH Librarians	171
The Graduate School.....	174



Architecture & Design	175
About the College of Architecture and Design.....	176
Admission Requirements: College of Architecture.....	178
Scholastic Requirements: College of Architecture and Design	179
Gerald D. Hines College of Architecture and Design	180
Architecture, MArch - Level I.....	180
Architecture, MArch - Level II.....	182
Architectural Studies, MA.....	184
Architecture, MS.....	185
Industrial Design, MS.....	187
International Programs	191
Architecture Library & Research Centers.....	192
Faculty: College of Architecture	193
Kathrine G. McGovern College of the Arts.....	194
School of Art.....	194
Art History, MA.....	194
Art, MFA	196
About the College of the Arts.....	200
Admissions Requirements: College of the Arts	201
Academic Policies: College of the Arts	202
Degree Requirements - College of the Arts	204
College of The Arts Programs	205
Arts Leadership Program.....	205
Arts Leadership, MA	205
Museum and Gallery Management, Certificate	207
School of Art.....	208
Art History, MA.....	209
Art, MFA	211



Moore School of Music.....	213
Doctor of Musical Arts - Instrumental Performance Track.....	214
Doctor of Musical Arts - Keyboard Performance Track	215
Doctor of Musical Arts - Specialization in Collaborative Piano	217
Doctor of Musical Arts - Specialization in Composition	219
Doctor of Musical Arts - Specialization in Conducting.....	220
Doctor of Musical Arts - Specialization in Music Education.....	222
Doctor of Musical Arts - Vocal Performance Track.....	223
Master of Music - Instrumental Performance Track.....	225
Master of Music - Organ Performance Track	226
Master of Music - Piano Performance and Pedagogy Track.....	227
Master of Music - Piano Performance Track	228
Master of Music - Sacred Music/Choral Conducting Track.....	229
Master of Music - Sacred Music/Composition Track.....	230
Master of Music - Sacred Music/Organ Track	232
Master of Music - Specialization in Collaborative Piano.....	233
Master of Music - Specialization in Composition.....	234
Master of Music - Specialization in Conducting.....	235
Master of Music - Specialization in Music Education	236
Master of Music - Specialization in Music Theory	237
Master of Music - Specialization in Musicology.....	238
Master of Music - Strings Performance and Pedagogy Track.....	239
Master of Music - Vocal Performance and Pedagogy Track.....	240
Master of Music - Vocal Performance Track	241
Music Performance, Certificate	242
Music, DMA - Programs List	244
Music, MM - Programs List.....	245
School of Theatre and Dance	245
Theatre, MA.....	245



Theatre, MFA.....	247
School of Theatre and Dance.....	252
Certificate in Music Performance Program.....	253
Master of Music Programs	255
Doctor of Musical Arts Programs.....	262
Graduate Faculty.....	274
C. T. Bauer College of Business	278
About the C.T. Bauer College of Business	281
Admission Requirements: C.T. Bauer College of Business	286
Academic Policies: C.T. Bauer College of Business	287
Concurrent Degree Program	290
Scholarships and Financial Aid: C.T. Bauer College of Business	291
C.T. Bauer College of Business.....	293
Business Administration, MBA.....	295
Executive MBA Option.....	302
Business Administration, PhD.....	302
Accelerated BBA/MS - Various	310
Department of Accountancy & Taxation.....	311
Accountancy, MSAcy	312
Advanced Internal Audit Certificate	314
Applied Data Analytics in Accounting, Certificate	314
Assurance/Finance Reporting Certificate	317
IT Systems Risk Management Certificate	318
Oil & Gas Accounting Certificate	318
Taxation Certificate	319
Department of Decision & Information Sciences.....	320
Business Analytics, MS.....	320
Management Information Systems, MS.....	325



Supply Chain Management, MS	327
Business Analytics Certificate	330
Business Modeling and Decision Making Certificate	330
Supply Chain Management Certificate	331
Department of Finance	332
Finance, MS	332
Finance, MS - Quantitative Specialization Option	334
Global Energy Management, MS.....	336
Corporate Finance Certificate	339
Economics of the Energy Value Chain Certificate.....	340
Energy Finance Certificate.....	341
Energy Investment Analysis Certificate	342
Energy Risk Management Certificate	343
Financial Services Management Certificate.....	344
Investment Analysis Certificate	345
Investment Banking and Private Equity Certificate	346
Real Estate Certificate	347
Wealth Management Certificate	347
Department of Management and Leadership.....	348
Management and Leadership, MS.....	348
Global Management Certificate	351
Human Resource Management Certificate	352
Leadership Development Certificate	353
Department of Marketing & Entrepreneurship	354
Entrepreneurship, MS	354
Marketing, MS	356
Sales Leadership, MS.....	358
Business Consulting Certificate	359
Digital Marketing Management Certificate	360



Entrepreneurship Certificate	360
Marketing Analysis Certificate	361
Product Management Certificate	362
Sales Leadership Certificate.....	363
Dual Degree Programs	363
Doctor of Jurisprudence, JD/MBA	364
History, MA/JD.....	364
Hospitality Management, MS/MBA.....	365
Social Work, MSW/MBA.....	366
Student Services: C.T. Bauer College of Business	367
Institute and Center Directors	370
Graduate Faculty Emeriti.....	371
Department of Accountancy and Taxation Faculty	372
Department of Marketing and Entrepreneurship Faculty	374
Department of Decision and Information Sciences Faculty.....	376
Department of Finance Faculty	378
Department of Management and Leadership Faculty.....	379
Education.....	381
About the College of Education	383
Admission Requirements: College of Education.....	385
College of Education	386
Special Populations, MEd - Dual Degree with BS in HDFS	387
Department of Curriculum and Instruction.....	390
All-Level Art Initial Certificate	392
Bilingual Education Endorsement.....	393
Curriculum and Instruction, MEd - Specialization in Art Education.....	393
Curriculum and Instruction, MEd - Specialization in Bilingual Education	394
Curriculum and Instruction, MEd - Spec in Early Childhood Education	395



Curriculum and Instruction, MEd - Spec in Educational Administration and Supervision .	396
Curriculum and Instruction, MEd - Specialization in Elementary Education	398
Curriculum and Instruction, MEd - Specialization in Gifted and Talented Education.....	399
Curriculum and Instruction, MEd - Specialization in Health Science Education	400
Curriculum and Instruction, MEd - Specialization in Learning, Design and Technology	402
Curriculum and Instruction, MEd - Specialization in Mathematics Education.....	405
Curriculum and Instruction, MEd - Specialization in Reading and Language Arts Education	406
Curriculum and Instruction, MEd - Specialization in Science Education.....	407
Curriculum and Instruction, MEd - Specialization in Second Language Education.....	408
Curriculum and Instruction, MEd - Specialization in Secondary Education	409
Curriculum and Instruction, MEd - Specialization in Social Studies Education.....	410
Curriculum and Instruction, MEd - Specialization in STEM Education.....	411
Curriculum and Instruction, MEd - Specialization in Teaching	412
Curriculum and Instruction, MEd - with Specializations.....	412
Curriculum and Instruction, PhD	414
Designing and Developing Educational Graphics Certificate	418
Designing and Developing Educational Multimedia Certificate	419
Elementary Initial Certificate	420
Elementary Professional Certificate	420
English as a Second Language Endorsement	421
Generic Special Education Initial Certificate.....	421
Initial Teaching Certificate	421
Innovative Technologies in Health Science Education, Certificate	422
Master Mathematics Teacher Professional Certificate	424
Master Reading Teacher Professional Certificate.....	424
Master Technology Teacher Professional Certificate	425
Museum Education Certificate	425
Online Teaching and Learning Certificate.....	427



Professional Leadership - Health Science Education, EdD.....	428
Professional Leadership - Literacy Education, EdD.....	432
Professional Leadership - Mathematics Education, EdD	433
Professional Leadership - Social Studies/Social Education, EdD.....	436
Reading Specialist Professional Certificate	437
Secondary Initial Certificate.....	438
Secondary Professional Certificate	439
Severe/Profound Handicaps Endorsement	439
Severely Emotionally Disturbed and Autistic Endorsement	439
Severely Handicapped Education Certificate.....	439
Special Education Counselor Professional Certificate	440
Teaching Professional Certificate	440
Texas Standard Principal Professional Certificate.....	440
Department of Psychological, Health, and Learning Sciences	440
Counseling Psychology, PhD.....	441
Counseling, MEd.....	446
Educational Diagnostician Professional Certificate	452
Measurement, Quantitative Methods, and Learning Sciences, PhD	453
School Counselor Professional Certificate	456
School Psychology, PhD	456
Department of Educational Leadership and Policy Studies	459
Administration and Supervision, MEd	459
Disability Support, Certificate.....	462
Higher Education Leadership and Policy Studies, PhD	462
Higher Education, MEd.....	465
Professional Leadership - K-12, EdD.....	467
Professional Leadership - Special Populations, EdD	470
Special Populations, MEd	474
Department of Curriculum and Instruction.....	480



Department of Curriculum and Instruction.....	480
All-Level Art Initial Certificate	480
Bilingual Education Endorsement.....	480
Curriculum and Instruction, MEd - Specialization in Art Education.....	480
Curriculum and Instruction, MEd - Specialization in Bilingual Education	481
Curriculum and Instruction, MEd - Specialization in Early Childhood Education.....	482
Curriculum and Instruction, MEd - Specialization in Educational Administration and Supervision	483
Curriculum and Instruction, MEd - Specialization in Elementary Education	486
Curriculum and Instruction, MEd - Specialization in Gifted and Talented Education.....	487
Curriculum and Instruction, MEd - Specialization in Health Science Education	488
Curriculum and Instruction, MEd - Specialization in Learning, Design and Technology....	490
Curriculum and Instruction, MEd - Specialization in Mathematics Education.....	493
Curriculum and Instruction, MEd - Specialization in Reading and Language Arts Education	494
Curriculum and Instruction, MEd - Specialization in Science Education.....	495
Curriculum and Instruction, MEd - Specialization in Second Language Education.....	496
Curriculum and Instruction, MEd - Specialization in Secondary Education	497
Curriculum and Instruction, MEd - Specialization in Social Studies Education.....	497
Curriculum and Instruction, MEd - Specialization in STEM Education.....	498
Curriculum and Instruction, MEd - Specialization in Teaching	499
Curriculum and Instruction, MEd - with Specializations	500
Curriculum and Instruction, PhD	502
Designing and Developing Educational Graphics Certificate	505
Designing and Developing Educational Multimedia Certificate	506
Elementary Initial Certificate	507
Elementary Professional Certificate	508
English as a Second Language Endorsement.....	508
Generic Special Education Initial Certificate.....	508



Initial Teaching Certificate	509
Innovative Technologies in Health Science Education, Certificate	509
Master Mathematics Teacher Professional Certificate	511
Master Reading Teacher Professional Certificate.....	512
Master Technology Teacher Professional Certificate	513
Museum Education Certificate	513
Online Teaching and Learning Certificate.....	514
Professional Leadership - Health Science Education, EdD.....	515
Professional Leadership - Literacy Education, EdD.....	519
Professional Leadership - Mathematics Education, EdD	521
Professional Leadership - Social Studies/Social Education, EdD.....	523
Reading Specialist Professional Certificate	525
Secondary Initial Certificate.....	526
Secondary Professional Certificate	526
Severe/Profound Handicaps Endorsement	527
Severely Emotionally Disturbed and Autistic Endorsement	527
Severely Handicapped Education Certificate.....	527
Special Education Counselor Professional Certificate	527
Teaching Professional Certificate	527
Texas Standard Principal Professional Certificate.....	528

Educational Leadership and Policy Studies 529

Department of Educational Leadership and Policy Studies	529
Administration and Supervision, MEd	529
Disability Support, Certificate	531
Higher Education Leadership and Policy Studies, PhD	532
Higher Education, MEd.....	535
Professional Leadership - K-12, EdD.....	537
Professional Leadership - Special Populations, EdD	540
Special Populations, MEd	543



College of Education Faculty	549
Cullen College of Engineering.....	557
About the Cullen College of Engineering	561
Admission Requirements: Cullen College of Engineering	564
Degree Requirements: Cullen College of Engineering.....	565
Graduate Academic Policies: Cullen College of Engineering.....	566
Enrollment and Time Limitations.....	567
Cullen College of Engineering.....	569
Corrosion Control and Management, Certificate	572
Corrosion Engineering, Certificate.....	573
Engineering Data Science, Certificate.....	574
Process Safety Engineering.....	576
Department of Biomedical Engineering.....	578
Biomedical Engineering, MSBE.....	578
Biomedical Engineering, PhD.....	581
William A. Brookshire Department of Chemical and Biomolecular Engineering	587
Chemical Engineering, MChE.....	588
Chemical Engineering, MSChE.....	589
Chemical Engineering, PhD.....	590
Process Engineering and Modeling Certificate	592
Department of Civil and Environmental Engineering.....	593
Civil Engineering, MSCE	593
Environmental Engineering, MS	596
Geosensing Systems Engineering and Sciences, MS.....	598
Civil Engineering, PhD.....	600
Environmental Engineering, PhD.....	603
Geosensing Systems Engineering and Sciences, PhD	607
Global Climate, Energy, and Environment, Certificate	609



Department of Electrical and Computer Engineering	609
Computer and Systems Engineering, MS.....	610
Electrical Engineering, MSEE	616
Electrical Engineering, PhD.....	622
Power Electronics and Renewable Energy Technologies, Certificate.....	629
Power Systems and Smart Grid, Certificate.....	630
Department of Industrial Engineering.....	630
Engineering Management, MA.....	634
Engineering Management, MEMGMT	635
Industrial Engineering, MIE	636
Industrial Engineering, MSIE.....	637
Industrial Engineering, PhD	639
Industrial Engineering, MIE/MBA	643
Department of Mechanical Engineering	644
Aerospace Engineering, MS.....	645
Materials Science and Engineering, MS.....	648
Mechanical Engineering, MME.....	651
Mechanical Engineering, MSME	653
Space Architecture, MS	656
Subsea Engineering, MS	658
Materials Science and Engineering, PhD	661
Mechanical Engineering, PhD.....	666
Aerospace Engineering and Space Architecture, MS.....	669
Mechanical and Aerospace Engineering, MS.....	671
Mechanical and Subsea Engineering, MS.....	674
Advanced Subsea Engineering, Certificate	677
Data Analytics and Condition and Performance Monitoring of Engineered Systems, Certificate	679
Subsea Engineering, Certificate	679



Department of Petroleum Engineering.....	681
Petroleum Engineering, MPetE	682
Petroleum Engineering, MSPetE.....	684
Petroleum Engineering, PhD	685
Petroleum and Subsea Engineering, MS.....	688
Fundamentals of Petroleum Engineering, Certificate	690
Unconventional Energy Resources, Certificate	691
Aerospace Engineering Program	692
Materials Science and Engineering Program.....	693
Subsea Engineering Program.....	694
Graduate Faculty: Cullen College of Engineering	695
Engineering Directors.....	696
Department of Biomedical Engineering.....	697
Department of Chemical & Biomolecular Engineering.....	700
Department of Civil and Environmental Engineering	702
Department of Electrical and Computer Engineering	705
Department of Industrial Engineering	709
Department of Materials Science and Engineering Faculty.....	710
Department of Mechanical Engineering	711
Petroleum Engineering Faculty.....	717
Hotel and Restaurant Management	718
Conrad N. Hilton College of Hotel and Restaurant Management	719
Global Hospitality Business, MS.....	719
Hospitality Administration, PhD	720
Hospitality Decision Making & Analytics, Certificate	722
Hospitality Management, MS.....	723
Hospitality Management, MS/MBA.....	726
Hotel and Restaurant Management and Hospitality Management, BS/MS.....	727



The Executive Master of Hospitality Management, MHM	728
About the Conrad N. Hilton College of Hotel and Restaurant Management	730
HRM Programs	732
Global Hospitality Business, MS.....	732
Hospitality Management, MS	733
The Executive Master of Hospitality Management, MHM	736
Hospitality Administration, PhD	737
Hotel and Restaurant Management and Hospitality Management, BS/MS	739
Hospitality Management, MS/MBA.....	740
Hospitality Decision Making & Analytics, Certificate	741
Grievance Policy: Conrad N. Hilton College of Hotel and Restaurant Management	743
Accelerated BS/MS in Hospitality Management Degree Plan.....	744
Law Center.....	746
About the UH Law Center.....	747
J.D. Admission Requirements: UH Law Center	749
Academic Policies: UH Law Center	753
Concurrent and Combined Degree Programs	756
Financial Aid and Scholarships: UH Law Center	757
Career Services: UH Law Center	758
UH Law Center	759
Doctor of Jurisprudence, JD.....	759
Doctor of Jurisprudence, JD/MBA	759
Doctor of Jurisprudence, JD/MD	760
Doctor of Jurisprudence, JD/MPH	760
Doctor of Jurisprudence, JD/MSW	760
Doctor of Jurisprudence/Master of Laws	760
Energy, Environment, and Natural Resources Law, LLM	761
Health Law, LLM	762



Intellectual Property & Information Law, LLM	763
International Law, LLM	764
Tax Law, LLM	765
Undergraduate/Law Dual Degree Program	766
US Law, LLM	768
Special Programs.....	770
External Affairs: UH Law Center	773
Graduate Faculty: UH Law Center	774
Faculty	775
Faculty Emeriti	778
Librarians: UH Law Center	779
Liberal Arts & Social Sciences	780
About the College of Liberal Arts and Social Sciences	786
Admission Requirements: College of Liberal Arts and Social Sciences.....	790
Academic Policies: College of Liberal Arts and Social Sciences	791
CLASS degrees.....	793
Department of African American Studies	798
African American Studies, Certificate	799
Jack J. Valenti School of Communication	800
Communication, MA.....	800
Department of Communication Sciences and Disorders	803
Communication Disorders, MA	803
Communication Sciences and Disorders, PhD	805
Department of Comparative Cultural Studies	807
Anthropology, MA	807
Department of Economics.....	809
Applied Economics, MA.....	809
Economics, PhD	811



Applied Economics, MA/Public Policy, MPP	817
Department of English	818
Creative Writing, MFA	818
English, MA	819
Creative Writing and Literature, PhD	821
English, PhD	822
Empire Studies, Certificate	824
Poetry and Poetics, Certificate	825
Translation Studies, Certificate	826
Department of Health and Human Performance	827
Human Nutrition, MS	827
Master of Athletic Training, MAT	829
Sport and Fitness Administration, MA	832
Kinesiology, PhD	834
Sport and Fitness Operations Management, Certificate	837
Strength and Conditioning, Certificate	837
Department of Hispanic Studies	838
Hispanic Studies, MA	838
Spanish, MA	839
Spanish, PhD	842
Spanish as a Heritage Language Certificate	844
Department of History	845
History, MA	845
History, PhD	846
Department of Modern and Classical Languages	848
World Cultures and Literatures, MA	848
Applied Linguistics in Teaching Chinese Certificate	853
Global Cinema Studies Certificate	853



Department of Philosophy	855
Philosophy, MA.....	855
Department of Political Science	856
Political Science, MA.....	856
Political Science, PhD.....	857
Political Science, Accelerated BA/MA.....	861
Department of Psychology	862
Clinical Psychology, PhD	862
Industrial/Organizational Psychology, PhD.....	864
Integrative Program in Developmental, Cognitive, and Behavioral Neuroscience, PhD ...	865
Social Psychology, PhD	867
Public Administration Program	868
Public Administration, MPA.....	869
Department of Sociology.....	872
Sociology, MA	872
Women's, Gender, and Sexuality Studies Program.....	873
Women's Studies Interdisciplinary Certificate.....	874
Degree Requirements- College Of Liberal Arts and Social Sciences.....	876
College of Liberal Arts and Social Sciences.....	878
Department of African American Studies	883
African American Studies, Certificate	884
Jack J. Valenti School of Communication	885
Communication, MA.....	885
Department of Communication Sciences and Disorders	888
Communication Disorders, MA	888
Communication Sciences and Disorders, PhD	890
Department of Comparative Cultural Studies	892
Anthropology, MA	892



Department of Economics.....	894
Applied Economics, MA.....	894
Economics, PhD	896
Applied Economics, MA/Public Policy, MPP	902
Department of English	903
Creative Writing, MFA	903
English, MA.....	904
Creative Writing and Literature, PhD	906
English, PhD	907
Empire Studies, Certificate	909
Poetry and Poetics, Certificate	910
Translation Studies, Certificate.....	911
Department of Health and Human Performance.....	912
Human Nutrition, MS	912
Master of Athletic Training, MAT	914
Sport and Fitness Administration, MA.....	917
Kinesiology, PhD	919
Sport and Fitness Operations Management, Certificate	922
Strength and Conditioning, Certificate	922
Department of Hispanic Studies.....	923
Hispanic Studies, MA	923
Spanish, MA.....	924
Spanish, PhD.....	927
Spanish as a Heritage Language Certificate.....	929
Department of History	930
History, MA.....	930
History, PhD.....	931
Department of Modern and Classical Languages.....	933



World Cultures and Literatures, MA.....	933
Applied Linguistics in Teaching Chinese Certificate.....	938
Global Cinema Studies Certificate	938
Department of Philosophy	940
Philosophy, MA.....	940
Department of Political Science	941
Political Science, MA.....	941
Political Science, PhD.....	942
Political Science, Accelerated BA/MA.....	946
Department of Psychology	947
Clinical Psychology, PhD	947
Industrial/Organizational Psychology, PhD.....	949
Integrative Program in Developmental, Cognitive, and Behavioral Neuroscience, PhD ...	950
Social Psychology, PhD	952
Public Administration Program	953
Public Administration, MPA.....	954
Department of Sociology.....	957
Sociology, MA.....	957
Women's, Gender, and Sexuality Studies Program.....	958
Women's Studies Interdisciplinary Certificate.....	959
Certificate Programs	961
Communication Degrees	962
Jack J. Valenti School of Communication	962
Communication, MA.....	962
Department Heads.....	966
Comparative Cultural Studies: Anthropology Program	968
Jack J. Valenti School of Communication	969
Faculty Emeriti	970



Medicine	975
College of Medicine - Leadership	976
Doctor of Medicine, MD/MBA.....	977
Doctor of Medicine/Master of Public Health Program.....	979
MD Program	981
Department of Behavioral & Social Sciences	984
Department of Biomedical Sciences	985
Department of Clinical Sciences.....	986
Department of Health Systems & Population Health Sciences.....	987
Natural Sciences & Mathematics	988
About the College of Natural Sciences and Mathematics	991
Admission Requirements: College of Natural Sciences and Mathematics	994
Graduate Degree Requirements: College of Natural Sciences and Mathematics	996
Academic Policies: College of Natural Sciences and Mathematics	999
College of Natural Science and Mathematics Departments	1003
Department of Biology and Biochemistry	1003
Biochemistry, MS.....	1003
Biology, MS.....	1008
Biochemistry, PhD	1014
Biology, PhD.....	1019
Biomedical Sciences, Certificate	1025
Department of Chemistry.....	1027
Chemistry, MS	1027
Chemistry, PhD	1032
Department of Computer Science	1038
Computer Science, MS	1038
Computer Science, PhD	1042
Interactive Game Development, Certificate.....	1048



Department of Earth and Atmospheric Sciences	1049
Atmospheric Science, MS	1050
Geology, MS	1054
Geophysics, MS	1058
Atmospheric Sciences, PhD	1062
Geology, PhD	1068
Geophysics, PhD	1073
Geographical Information Science (GIS) Certificate	1078
Hydrogeology, Certificate	1079
Department of Mathematics.....	1080
Applied Mathematics, MS	1081
Mathematics, MA	1082
Mathematics, MS.....	1083
Statistics and Data Science, MS	1085
Mathematics, PhD	1087
Computational Mathematics, Certificate	1088
Financial Mathematics, Certificate	1089
Department of Physics	1091
Physics, MS	1091
Physics, PhD.....	1093
Department of Biology and Biochemistry	1097
Department of Chemistry.....	1099
Department of Computer Science	1101
Department of Earth and Atmospheric Sciences	1103
Department of Mathematics.....	1105
Department of Physics	1107
Faculty Emeriti	1109
Nursing	1111



About the College of Nursing	1112
College of Nursing - Leadership	1114
College of Nursing - Admissions	1115
College of Nursing - Policies	1116
College of Nursing - Financial Information	1117
College of Nursing	1118
Nursing Administration, Certificate	1118
Nursing Education, Post Master's Certificate	1118
Nurse Practitioner, MSN.....	1119
Nursing Administration, MSN	1121
Nursing Education, MSN.....	1123
Nursing Practice, DNP.....	1124
College of Nursing - Faculty	1127
Optometry	1128
About the College of Optometry	1129
Admission Requirements: College of Optometry	1132
Academic Policies and Procedures: College of Optometry.....	1138
Scholarships and Financial Aid: College of Optometry	1163
Faculty: College of Optometry.....	1164
College of Pharmacy.....	1170
About the College of Pharmacy	1171
Tuition and Fees: College of Pharmacy	1176
Academic Policies: College of Pharmacy	1177
Professional Organizations: College of Pharmacy	1185
College of Pharmacy.....	1188
Pharmacy Leadership and Administration, MS.....	1188
Pharmaceutical Sciences, PhD.....	1191



Pharmaceutical Sciences, PhD and Pharmaceutical Sciences/Medicinal Chemistry Specialization, PhD	1195
Pharmacy, PharmD	1198
Faculty: College of Pharmacy.....	1206
Faculty Emeriti	1207
Pharmacological & Pharmaceutical Sciences	1208
Department of Pharmacy Practice and Translational Research.....	1211
Pharmaceutical Health Outcomes & Policies	1213
Public Affairs	1214
Accelerated BBA/Master of Public Policy	1214
Public Policy and Public Administration, Certificate	1215
Public Policy, Certificate	1217
Public Policy-Data Analytics, Certificate	1218
Public Policy-Energy Policy, Certificate.....	1219
Public Policy-Ethics, Certificate.....	1221
Public Policy-Health Care Policy, Certificate	1222
Public Policy, MPP	1224
Social Work	1227
About the Graduate College of Social Work.....	1228
GCSW Objectives: Graduate College of Social Work	1232
Academic Policies: Graduate College of Social Work	1233
Student Organizations: Graduate College of Social Work.....	1236
Graduate School of Social Work	1237
Social Work, MSW	1237
Social Work, PhD	1240
Graduate Faculty: Graduate College of Social Work	1243
Technology.....	1247
About the College of Technology.....	1248



Admission Requirements: College of Technology	1250
Graduate Policies: College of Technology	1253
Graduate Student Funding	1254
College of Technology Programs	1255
Department of Construction Management	1255
Accelerated Pathway - Various, B.S./Technology Project Management, M.S.	1255
Accelerated Pathway - Various, BS/Supply Chain & Logistics Technology, MS	1256
Accelerated Pathway BS/MS Degree Program in Construction Management	1257
Construction Management, M.S.	1258
Supply Chain and Logistics Technology, M.S.	1259
Technology Project Management, M.S.	1260
Department of Engineering Technology	1262
Accelerated Pathway - Various, B.S./Engineering Technology - Specialization in Network Communications, M.S.....	1262
Accelerated Pathway - Various, B.S./Engineering Technology - Specialization in Network Computational Health, M.S.	1263
Accelerated Pathway - Various, B.S./ Engineering Technology - Human Resources Development, M.S.	1263
Accelerated Pathway BS/MS Degree Program in Mechanical Engineering Technology..	1264
Biotechnology, Accelerated BS/MS	1264
Engineering Technology, MS	1265
Department of Human Development and Consumer Sciences	1269
Accelerated Pathway - Various B.S./Global Retailing, M.S	1269
Strategic Foresight Certificate	1270
Foresight, MS.....	1270
Global Retailing, MS.....	1271
Human Resource Development, MS.....	1273
Department of Information and Logistics Technology	1274
Computer Information Systems/Cybersecurity, Accelerated BS/MS.....	1275



Cybersecurity, MS.....	1275
Graduate Faculty: College of Technology	1277
Special Programs and Opportunities	1280
Publication Disclaimer	1284



Publication Home

The Graduate Catalog is comprised of current academic policy and curriculum information pertinent to graduate and professional study at the University of Houston. The Graduate Catalog of the University is the document of authority for all students. Any academic unit may issue additional or more specific information that is consistent with approved policy. The information in the catalog supersedes that issued by any other unit if there is a conflict between the two. All graduate and professional students are responsible for observing the policies and regulations governing this institution as published in this catalog and in other official publications. Questions regarding current information should be addressed to The Graduate School.

The University of Houston reserves the right to change the provisions of this catalog, including, but not limited to, degree requirements, course offerings, fees, and listings in the calendar as necessitated by university or legislative action. Please see Publication Disclaimer and Publication Updates for more information.

Catalog Contents

Definitions and Course Numbering

University Profile

[University Profile](#) | [Board of Regents and Administrative Officers](#)

Academic Calendar

Policies

[Admission and Registration](#) | [Academic Policies and Procedures](#) | [Degree Requirements](#) | [Graduate Assistantships](#) | [Summary of University Regulations and Requirements](#)

Programs & Degrees

[Graduate and Professional Fields of Study by College & Department](#) | [Graduate and Professional Fields of Study Listed Alphabetically](#) | [Special Programs and Opportunities](#)

Colleges & Schools

[The Graduate School](#) | [Gerald D. Hines College of Architecture and Design](#) | [C.T. Bauer College of Business](#) | [Kathrine G. McGovern College of the Arts](#) | [College of Education](#) | [Cullen College of Engineering](#) | [Conrad N. Hilton College of Hotel and Restaurant Management](#) | [UH Law Center](#) | [College of Liberal Arts and Social Sciences](#) | [College of Natural Sciences and Mathematics](#) | [College of Nursing](#) | [College of Optometry](#) | [College of Pharmacy](#) | [Graduate College of Social Work](#) | [College of Technology](#)

Courses

[Libraries](#)

[Tuition & Fees](#)

[Scholarships & Financial Aid](#)

[Student Handbook](#)

[Publication Updates](#)



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Catalog Icon Guide

Degree Planner (Degree Programs Only)	Add to 'My Portfolio'	Social Media	Print-Friendly Format	Help
<p><i>Plan It!</i></p> <p>The Degree Planner icon is at the top of each program and provides a print-friendly version of the degree requirements in a checklist format. Please review these requirements with your Academic Advisor, as yours may differ from the general requirements listed.</p>	<p><i>Save it!</i></p> <p>Create a personal portfolio by clicking on the My Portfolio link at the bottom of the left navigation pane. After creating an account, you may add courses to your favorites by selecting the star icon located on the top right of the page.</p>	<p><i>Talk About It!</i></p> <p>Share catalog information on Facebook and Twitter.</p>	<p><i>Print It!</i></p> <p>Selecting this icon will generate a pop-up page formatted to neatly print.</p>	<p><i>Use It!</i></p> <p>Includes more information about how to use the catalog.</p>



Catalog Definitions & Numbering

The information presented below will help the reader to interpret this catalog correctly. The "Definition of Terms" section provides a guide to the terminology of academic regulations and procedures and course descriptions. The sections entitled "Course Numbering" explains the significance of the course numbering system used at the University of Houston. This is generic information only; for specific course descriptions or degree requirements, see the appropriate department listing.

Catalog Definitions

Audit. To take a course without credit.

Class schedule. List of courses and sections for a specific semester, including names of instructors; day, hour, and place of class meetings; and detailed registration procedures.

College or school. One of 13 major divisions within the university that offers specialized curricula.

Corequisite. A course that must be taken at the same time as the course described.

Course load. The number of semester hours students schedule in a given term.

Credit (*see semester hour*). Certification given for completion of academic work.

Cumulative grade point average (*see grade points*). The cumulative grade point average is based upon work taken at the University of Houston, including courses that are repeated, for which grade point values are assigned. The cumulative grade point average indicates overall performance and is computed by dividing the total number of grade points earned by the number of semester hours attempted, excluding S/U hours.

Department. Division of instruction within a college, such as Department of English in the College of Liberal Arts and Social Sciences.

Drop. Official dropping of some of the courses for which students are registered. Usually initiated by students but can be done in certain instances by faculty or other campus personnel.

Elective. A course which is not required but which students choose to take as part of their degree plan.

Equivalent. In place of a course within the same discipline. Course equivalencies are established through formal action and are determined on the bases of content, prerequisites, writing requirements, and level.

Grade points (*see cumulative grade point average*). Points per semester hour assigned to a passing grade, indicating numerical value of the grade.

Graduate study. Academic work toward the master's or doctoral degree.

Laboratory. Descriptive of work other than classwork, such as experimentation and practical application.

Lecture. A class session in which an instructor speaks on a specific topic.

Major. Primary field of study.

Noncredit course. A course for which no credit is given

Overload. Course load of more semester hours than students are normally permitted to schedule in a given period.



Petition. A formal request to be filed at the appropriate office for a specific academic action, such as a waiver for a degree requirement.

Prerequisite. Requirement to be met before a certain course may be taken.

Records, permanent. Cumulative record of students' courses, grades, credits, classification, address, social security number, etc.

Registration. Enrollment for a semester, including selection of classes and payment of fees and tuition.

Section. A division of a course for instruction. A course may be taught in one or more sections or classes, depending on enrollment in the course.

Semester hour. (*see credit*). Unit of measurement of college work. One semester hour is normally equivalent to one hour of class work or from two to six hours of laboratory work per week for a semester.

Student I.D. number. A permanent number that is assigned when a student enrolls.

Summer Term and sessions. Length of study for courses offered during the summer will vary depending on the session in which the course is scheduled. Refer to the Academic Calendar for specific beginning and end dates per summer session.

Transcript. A copy of a student's academic record, mainly intended for communicating information from one institution to another. Unofficial transcripts may be obtained via the myUH Student Center. Official Transcripts must be requested from the Office of the University Registrar.

Tuition and fee statement. The fee bill printout of the course schedule and the tuition and fees for a given semester.

Withdrawal. Official withdrawal from all courses during a semester at the university. Usually initiated by students but may be done in certain instances by faculty or other campus personnel.

Numbering

All courses are identified by instructional area and number. The first digit of the four-digit number indicates course level (1-freshman, 2-sophomore, etc.). The second digit indicates the number of semester hours of credit given for the course (the number given exactly corresponds with the semester hours of credit given). The third and fourth digits are for departmental use.

Course numbers that begin with a "5" can be an upper-division undergraduate course, a graduate course, or a professional course. Please contact the department in which the course is offered to determine how a particular 5000-level course is classified.

Each course listed shows the semester hours of credit assigned to that specific course—for example, Cr. 3., may follow the course title. This information is usually followed by hyphenated numbers such as (2-3) that designate lecture-laboratory hours. The first digit indicates the number of class hours per week in the lecture portion of the course. The second digit indicates the number of class hours per week reserved for the laboratory portion of the course.



University Profile

Who We Are

Office of the President	713-743-8820
Senior Vice President for Academic Affairs and Provost	713-743-9101
Executive Vice President for Administration and Finance	713-743-5550
Vice President for Research and Technology Transfer	713-743-9104
Vice President for University Advancement	713-743-8165
Vice President for University Marketing, Communication and Media Relations	713-743-0945
Vice President for Student Affairs and Enrollment Services	713-743-5390
Vice President for Legal Affairs and General Counsel	832-842-0949
Vice President for Governmental Relations	832-842-9064

The University of Houston, founded in 1927, is Texas' premier public metropolitan research and teaching institution. Located in the fourth-largest city in the United States-Houston is ranked third in the number of Fortune 500 headquarters-we place our students in the midst of a vibrant, entrepreneurial, and economically diverse environment.

The University of Houston is the doctoral degree-granting and largest university of the University of Houston System, a public system of higher education that includes three other universities (UH-Clear Lake, UH-Downtown, and UH-Victoria). The system also offers five regional campuses (UH at Sugar Land, UH at Katy, UHCL Pearland, UHD Northwest, UHS Texas Medical Center). We stand at the forefront of education, research, and service. Our students enjoy a combination of academic excellence in a mentoring environment, a vibrant community of stellar faculty and dynamic programs, and real-world experience.

Bright Students

We serve more than 40,600 students in twelve academic colleges and in the interdisciplinary Honors College. We offer 109 majors and minors, 105 master's, 41 doctoral, and three professional degree programs. We award nearly 8,000 degrees annually.

Our innovative curricula, nationally ranked programs and dynamic learning environment bring students face-to-face with award-winning faculty who have received honors including the Nobel Peace Prize, the Pulitzer Prize, the Tony Award, and the National Medal of Science, among others.

The quality of our students is reflected in the increasing average SAT scores of entering freshmen and in the growing enrollment of our Honors College. The average SAT score of current Honors College students is 1250. The Honors College draws on the talents of the finest UH faculty members to provide a wide range of special courses for some of the nation's most academically gifted students. (www.uh.edu/academics/hon)



We are the second most ethnically diverse research university in the United States. Our student body is 33.1 percent white, 19.6 percent Asian/Pacific Islander, 23.5 percent Hispanic, 12.1 percent African American, 8.5 percent International, 0.3 percent Native American, and 2.9 percent unspecified. UH students represent more than 137 nations. We have a 21:1 student-faculty ratio.

In an effort to make high-quality education available to all deserving students, we offer financial assistance programs that include scholarships, grants, and loans. (www.uh.edu/admissions/financial/)

We are home to more than 300 student organizations, including the Student Government Association, 26 national Greek fraternities and sororities, and 40 local and professional fraternities and sororities. Campus activities include film series, concerts, theatrical productions, art exhibits, and Division 1A NCAA representation.

About 6,000 students live on campus in traditional residence halls or apartment-style housing. Bayou Oaks offers townhomes and residence halls for students. Greek Park at Bayou Oaks also provides residential living for all students, including those in Greek organizations. All residence halls include study lounges, computer labs, laundry facilities, mail services, and parking options. Each room is furnished and includes basic cable and Ethernet.

The entire UH System contributes \$3.1 billion to the Houston-area economy every year and generates about 24,000 local jobs. Our impact includes more than 600 partnerships with community organizations and our students contribute nearly 1 million hours of volunteer and internship service to organizations in Houston every year.

Most of our students secure career-level jobs either just before or shortly after graduation. Over the past 85 years, we have awarded more than 268,000 degrees, and approximately 80 percent of our alumni remain in the Houston area up to ten years after graduation.

Our graduates can be found in leadership positions from Capitol Hill to community nonprofits. They are scientists, astronauts, researchers, professors, teachers, administrators, engineers, doctors, presidents/CEOs, entrepreneurs, legislators, attorneys, judges, authors, singers, songwriters, actors, actresses, Olympians, professional athletes-the career list is endless. Our alumni are making a significant impact in all areas of life and are helping to bring about a better tomorrow.

Top-Notch Programs

UH public service and community activities, such as cultural offerings, clinical services, policy studies, and small-business initiatives, serve a diverse metropolitan population. In turn, the resources of the Gulf Coast Region complement and enrich our academic programs, providing students with professional expertise, practical experience, and career opportunities.

A sampling of our academic and research distinctions further demonstrates our commitment to excellence.

- The **UH Law Center's Health Law and Policy Institute** and the Institute for Intellectual Property and Information are among the best in the nation-both ranking in the top 10, according to *U.S. News & World Report*. Our faculty includes nationally recognized experts who help students mesh legal theory with practical applications of the law. (www.law.uh.edu/)
- Our **Creative Writing Program** is one of the most competitive programs in the country as well as one of only two offering a Ph.D. Only 20 new students are admitted to the program each year. (www.uh.edu/cwp)
- The Conrad N. Hilton College of Hotel and Restaurant Management is one of the top hospitality programs in the world. Because of connections 40 years in the making, Hilton college graduates are sought after by industry locally, nationally and throughout the world. (www.hrm.uh.edu/)
- Students in the Moores School of Music consistently place first in regional and national competitions. With some 80 percent of its graduates remaining in the Houston area, the Moores School is infusing churches, schools, and professional performance organizations with superbly trained musicians and teachers.
- The **College of Education** uses pioneering technologies for teaching and learning and is recognized as one of the most innovative colleges in the country. Many education students who graduate with teaching certificates remain in the Houston/Galveston area, helping to ensure well-trained educators for local schools. (www.coe.uh.edu/)



- Students at the **Gerald D. Hines College of Architecture and Design** frequently earn top honors in regional, national, and international competitions. (www.arch.uh.edu/)
- The **Cullen College of Engineering's** chemical engineering, mechanical engineering, and civil engineering programs are ranked among the top programs in the nation. With our undergraduate program in biomedical engineering, combined with recent strides in nanoengineering, we are poised to become one of the premier players in bionano research. Additionally, the Engineering Leadership and Entrepreneurship Program is one of the many ways we are preparing students to gain a competitive edge in the market place. (www.egr.uh.edu/)
- The **C.T. Bauer College of Business** is ranked nationally by *U.S. News & World Report* in the following programs: the Entrepreneurship program is 21st among entrepreneurship programs; the full-time MBA program is among the top 50. The Princeton Review/Entrepreneur magazine ranks our Center for Entrepreneurship as the #1 undergraduate program in the nation. Bauer College is one of only five U.S. schools with multiple members in the Academy of Management Hall of Fame and our marketing faculty is ranked number one in Houston and is in the top 5 percent worldwide. Our students also receive a world class education with real-world experience through the **C.T. Bauer College of Business** AIM Center for Investment Management. (www.bauer.uh.edu/)
- The College of Optometry's University Eye Institute is among the largest clinics in Houston- a city that is home to the world's largest medical center. We also are one of only 17 optometry colleges in the United States and the only one in the Southwest. We serve more than 40,000 patients annually through our community-based clinics. Our **College of Optometry**-equipped with the latest ophthalmic instruments and diagnostic systems-has education and training affiliations with more than 100 community health centers, outpatient surgical centers, Veterans Affairs hospitals, Air Force, Army and Navy hospitals, and public health/Indian health hospitals. (www.opt.uh.edu/)
- Our **College of Pharmacy** has partnered with the U.S. Food and Drug Administration. Unlike any other partnership in the nation, we will develop and exchange scientific resources and educational opportunities. Our faculty and students will be trained in various departments within the FDA and FDA representatives will conduct research at the university. Our facilities in the Texas Medical Center allow our students to train with physicians, medical students, and members of our clinical faculty. Faculty research and program initiatives include cardiovascular studies, transdermal drug delivery, neuropharmacology, signal transduction mechanisms, aging and exercise, infectious disease protocols, and patient counseling and compliance. Projects addressing asthma management, community wellness, high school outreach, and medication labeling earned our students top honors in a Texas Pharmacy Association competition. (www.uh.edu/pharmacy/)
- **The Anthropology Program** offers more field-based research opportunities for undergraduate students than any similar program in the state. (www.anthropology.uh.edu/)
- **Our Graduate College of Social Work** is the only school of social work in Houston. With more than 2,000 nonprofit organizations in the Greater Houston/Harris County area, our award-winning **NonProfit Leadership Alliance Program** prepares our students to meet the growing need for qualified professionals in nonprofits. Our advanced concentrations in gerontology, children and families, mental health, political social work, and healthcare are nationally recognized for preparing our students for real-world social work practice. We offer our students outstanding faculty, diversity of field practice education sites, and numerous community projects and cutting-edge research centers. (www.sw.uh.edu/)
- **Our College of Technology's emphasis** on practical technology and merchandising is partnered with training in practical business and leadership skills. We help our students make a smooth transition from the classroom to the workplace by giving them the skills that are valuable in an immediate way to the companies and institutions that hire them. This is one of the reasons why two thirds of our students are employed in their chosen field before graduation. (www.tech.uh.edu/)

Groundbreaking Research

We conduct research in every academic department and operate more than 40 research centers and institutes. Through these facilities, we maintain more than 300 creative partnerships with corporate, civic, and governmental entities. Our interdisciplinary research breaks new ground in vital and innovative areas including bionanotechnology, superconductivity, space commercialization, biomedical engineering, economics, education, petroleum exploration, and virtual technology.



With \$113.7 million in research expenditures in 2011, UH is a leading research institution. As a reflection of our commitment to excellence in education, research and service, the university anticipates continued support and growth in every major research arena.

A \$5.5 million grant was awarded to UH through the Texas Emerging Technology Fund (ETF). As a result of the ETF grant, UH has recruited top hormones researcher Jan-Åke Gustafsson and his team to carry out laboratory research and to create next-generation pharmaceuticals and medical technologies at a world-class center to be established by UH and The Methodist Hospital Research Institute (TMHRI).

World-Class Athletics

The University of Houston has a proud tradition of athletics as it continues to inspire excellence today while preparing leaders for life by fostering a culture which challenges student-athletes to achieve their highest academic, athletics and personal aspirations.

Its past speaks to the culture: 107 conference championships, 21 football bowl games, five men's basketball NCAA Final Four appearances, 18 NCAA tournament appearances, 16 NCAA golf championships, two trips to the NCAA College World Series and the only women's basketball team in Conference USA history to finish 16-0 in league play.

401 student-athletes earned 861 All-American honors in 14 sports.

In 2012, the Houston football team set a school record for wins with a final record of 13-1 and claimed the program's ninth bowl win in its 21st appearance including its sixth in the last seven years. The Houston Men's Track and Field program won its fourth straight Conference USA Outdoor Track and Field Championship while a record 164 student-athletes were named to the Conference USA Commissioner's Honor Roll for posting a cumulative grade-point average of 3.0 or higher, a 64-percent increase from 2008 and the third straight year for the department to set a record in the category.

On the international scene, 64 University of Houston student-athletes, coaches and administrators have competed in 14 Olympiads including three in the 2012 London Games. Jamaican Errol Nolan (Track & Field), Nigerian Seun Adigun (Track and Field) and Russian Anastasia Pozdniakova (Diving) all competed with Houston coaches Jane Figueiredo and Leroy Burrell both traveling across the Atlantic Ocean in coaching capacities.

Twenty-two competitors have won 39 medals (20 gold, 13 silver, 6 bronze) highlighted by Carl Lewis, who is the most decorated male Olympian in history with 10 medals including nine gold medals. Diver Yulia Pakhalina is the most decorated female Houston Olympian with five total medals; one gold, three silver and one bronze.

Renowned athletes Carl Lewis, Hakeem Olajuwon, Clyde Drexler, Elvin Hayes, Fred Couples, Andre Ware, and Leroy Burrell competed for UH under legendary coaches Guy V. Lewis, Bill Yeoman, Dave Williams, and Tom Tellez. Lewis is an inductee of the College Basketball Hall of Fame. Burrell, U.S. Olympian and alumnus, is the current men's and women's track and field head coach.

Stellar Facilities

Our 667-acre campus includes lush greenery, fountains, and sculptures. Our world-class facilities include high-tech laboratories, modern classrooms, and nationally renowned centers such as the Moores School of Music, the Athletics/Alumni Center; and the LeRoy and Lucille Melcher Center for Public Broadcasting, which houses the Houston Public Media Group of KUHT, the nation's first educational television station; KUHF, Houston's NPR station and KUHA, the classical music station. The **Center for Public Policy Polling** and television studio labs are also based in the Melcher Center.

Since 2008, we have completed \$219 million worth of construction projects and another \$219 million is funding current projects, including a new athletic complex to replace Jeppesen/Robertson Stadium. The new Health and Biomedical Sciences Center features an ambulatory surgical center, laser center, research laboratories, classrooms and seminar spaces. The new Cougar Woods Dining Hall seats 600, and includes a Cougar Xpress Mini Market for those who are on the go. Residential construction includes the new Cougar Place. Discover more at www.uh.edu/plantops/departments/fpc/.



Libraries at UH provide abundant resources for research with collection holdings of more than 4 million microform units and 20,000 research journal subscriptions. The M.D. Anderson Library offers more than 140 networked workstations accessing 180 electronic databases as well as Internet access to Web-based research resources. **The Honors College** is located on the second floor.

Our 264,000-square-foot Campus Recreation and Wellness Center offers:

- three gyms;
- fitness equipment;
- a 53-foot-high climbing wall;
- racquetball and squash courts;
- a 70-meter indoor competition pool with diving facilities;
- a dry sauna and hot tub;
- an outdoor leisure pool with hot tub;
- a sand volleyball court;
- an outdoor equipment rental shop;
- six multipurpose rooms;
- class/meeting rooms;
- office space;
- showers and dressing areas with lockers;
- and much more.

The center is recognized by the National Intramural-Sports Association as one of the most outstanding sports centers in the nation.

The 191,730-square-foot Science and Engineering Research and Classroom Complex promises unprecedented interdisciplinary cooperation within the sciences in cutting-edge facilities for research and teaching. The three-building complex includes a five-story research building, a two-story classroom building, and a two-story auditorium. This new facility—designed by internationally renowned architect Cesar Pelli—addresses the evolution and future direction of collaborative research and will facilitate cross-disciplinary interaction among UH scientists and engineers, the Texas Medical Center, and other universities and research centers. The \$81 million complex is the only academic facility of its kind in Houston.

The **Cynthia Woods Mitchell Center for the Arts** at the University of Houston hosts world-class artists, writers, performers, and scholars. We teach and inspire the next generation of creative visionaries through collaborative academic courses along with innovative public performances, exhibitions, and informative lectures. Funded by a \$20 million grant from George and Cynthia Woods Mitchell, the center, housed in the **School of Theatre and Dance**, is an alliance among the five arts units within our College of Liberal Arts and Social Sciences: the School of Art; the Creative Writing Program; the Moores School of Music; the School of Theatre and Dance; and Blaffer Gallery, the Art Museum of the University of Houston. Along with classes, educational outreach programs, exhibitions, and public performances, the center offers residencies to emerging artists, writers, and curators to expand their work through postgraduate studies in the arts.

The Welcome Center and parking garage offer convenient parking and easy access to student services including admissions and financial aid service centers and a visitor's center.

The Burdette Keeland Jr. Design Exploration Center at the **Gerald D. Hines College of Architecture** is rising from the skeleton of the World War II-era Band Annex, the last of its kind on campus, and provides a large, open space for student architects to test prototypes, gauge environmental effects on materials, and build full-scale models.

Our five regional campuses - UH at Sugar Land, UH at Katy, UHCL Pearland, UHD Northwest, and The Texas Medical Center bring educational opportunities to students across Houston and the Gulf Coast, offering credit and continuing education programs to meet almost any need. Also, our instructional television and online programs provide degree opportunities for students at home, at work, or in their neighborhoods. (www.distance.uh.edu/)



Finally, we commissioned the development of a Master Plan to serve as our blueprint for growth for the next 20 years. The plan includes five distinct areas: Art District, Professional District, Undergraduate District, Core Academic District, and Stadium District. The framework is under way and new residential housing in the Professional District has been approved by the UH System Board of Regents. By 2020, UH will be a more pedestrian-focused campus. We will have more housing in all areas, improved academic buildings, and new "lifestyle" features such as stores, restaurants, and gathering areas-and this is just the beginning.



Board of Regents and Administrative Officers

University of Houston System Board of Regents

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Go to the University of Houston System Board of Regents pages.

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Vice Chancellor for Student Affairs and Enrollment Services: J. Richard Walker, Ed.D, University of Miami

Vice Chancellor for University Advancement: Eloise Dunn Stuhr, Vanderbilt University

Interim Vice Chancellor for Research and Technology Transfer: Ramanan Krishnamoorti, Ph.D., Princeton University

Vice Chancellor for Legal Affairs and General Counsel: Dona H. Cornell, J.D., University of Texas at Austin

Associate Vice Chancellor for Institutional Planning and Analysis: Chris Stanich, J.D., University of Houston

Associate Vice Chancellor for System Initiatives: Richard D. Phillips, M.S., Northwest Missouri State University

Assistant Vice Chancellor for Affirmative Action: Richard Anthony Baker, Ph.D., Texas Tech University

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Associate Vice Provost for Institutional Planning and Analysis: Chris Stanich, J.D., University of Houston

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Dean, College of Education: Robert H. McPherson, Ph.D., University of Houston

Dean, Cullen College of Engineering: Joseph W. Tedesco, Ph.D., Lehigh University

Dean, The Honors College: William Monroe, Ph.D., University of Chicago

Dean, Conrad N. Hilton College of Hotel and Restaurant Management: Dennis Reynolds, Ph.D., Cornell University

Dean, University of Houston Law Center: Leonard M. Baynes, J.D., Columbia Law School, Columbia University



Interim Dean, College of Liberal Arts and Social Sciences: Steven G. Craig, Ph.D., University of Pennsylvania

Dean, College of Natural Sciences and Mathematics: Dan E. Wells, Ph.D., Indiana University

Interim Dean, College of Optometry: Roger L. Boltz, O.D., Ph.D., University of Houston

Dean, College of Pharmacy: F. Lamar Pritchard, Ph.D., University of Georgia

Dean, Graduate College of Social Work: Alan J. Dettlaff, Ph.D., University of Texas at Arlington

Dean, College of Technology: William E. Fitzgibbon, III, Ph.D., Vanderbilt University

Dean of Libraries: Lisa German, M.S.L.I.S., University of Illinois, Urbana-Champaign



Fall Term Calendar General Information

Admission	Application deadlines can be found online at Graduate School in the Prospective Students section.
Enrollment	For enrollment periods by classification, please visit the Enrollment Schedule web page. Student-specific enrollment appointment will be posted to myUH when the course schedule is made available.
Financial aid applications	Information is available from the Costs and Financial Aid area of the UH website.
Payment and Refund Deadlines	Timing is critical to University payment and refund processes. Please review the information online at: Student Business Services.
Graduation Application Deadlines	<p>Regular Filing Period</p> <ul style="list-style-type: none">• Friday, April , 2021, through Friday, October , 2021.• Must apply for graduation via <i>myUH</i> account. <p>Late Filing Period</p> <ul style="list-style-type: none">• Saturday, October , 2021, through Friday, October , 2021.• Must apply for graduation via <i>myUH</i> account.
Master's / Doctoral Deadlines	<p>Monday, December , 2021</p> Deadline for completed submission and final approval of thesis or dissertation.
NOTE: College Commencements	<ul style="list-style-type: none">• Please see the current UH Commencement information.• These events are ceremonies hosted separately by each College (or Department) and usually occur at the conclusion of the Fall and Spring terms.• Dates for the commencement events vary by College. Please check with your College as early as possible.• For information about individual college ceremonies, visit the College Commencements website.



Fall Term 2021 - Session 1 (Regular)

Admission	Application deadlines can be found online at Graduate School in the Prospective Students section.
Enrollment	For enrollment periods by classification, please visit the Enrollment Schedule web page. Student-specific enrollment appointment will be posted to myUH when the course schedule is made available.
Financial aid applications	Information is available from the Costs and Financial Aid area of the UH website.
Payment and Refund Deadlines	Timing is critical to University payment and refund processes. Please review the information online at: Student Business Services.
Graduation Application Deadlines	<p>Regular Filing Period</p> <ul style="list-style-type: none"> • Friday, April , 2021, through Friday, October , 2021. • Must apply for graduation via <i>myUH</i> account. <p>Late Filing Period</p> <ul style="list-style-type: none"> • Saturday, October , 2021, through Friday, October , 2021. • Must apply for graduation via <i>myUH</i> account.
Master's / Doctoral Deadlines	<p>Monday, December , 2021</p> <p>Deadline for completed submission and final approval of thesis or dissertation.</p>
NOTE: College Commencements	<ul style="list-style-type: none"> • Please see the current UH Commencement information. • These events are ceremonies hosted separately by each College (or Department) and usually occur at the conclusion of the Fall and Spring terms. • Dates for the commencement events vary by College. Please check with your College as early as possible. • For information about individual college ceremonies, visit the College Commencements website.

August 2021

23 Monday
First day of classes.

30 Monday
Last day to add a class.

September 2021



6 Monday
Labor Day holiday.

8 Wednesday

ORD - Official Reporting Day

Last day to drop a course or withdraw without receiving a grade.

Last day to drop a course without hours counting towards the 99-Hour Doctoral Cap.

NOTE: Tuition is higher for hours in excess of the cap.

November 2021

4 Tuesday
Last day to drop a course or withdraw with a "W".

24-27 Wednesday-Saturday

Thanksgiving holiday.

December 2021

4 Saturday
Last day of class.

6 Monday
Make up day for class days officially canceled by the university or Reading Period.

7-15 Tuesday-Wednesday
Final examination period.
See: Current Final Exam Schedule

15 Wednesday
Official closing of Session 1.

See notes above re: Commencements

20 Monday
Deadline for faculty to post Final Grades in myUH.



Fall Term 2021 - Session 2

Admission	Application deadlines can be found online at Graduate School in the Prospective Students section.
Enrollment	For enrollment periods by classification, please visit the Enrollment Schedule web page. Student-specific enrollment appointment will be posted to myUH when the course schedule is made available.
Financial aid applications	Information is available from the Costs and Financial Aid area of the UH website.
Payment and Refund Deadlines	Timing is critical to University payment and refund processes. Please review the information online at: Student Business Services.
Graduation Application Deadlines	<p>Regular Filing Period</p> <ul style="list-style-type: none"> • Friday, April , 2021, through Friday, October , 2021. • Must apply for graduation via <i>myUH</i> account. <p>Late Filing Period</p> <ul style="list-style-type: none"> • Saturday, October , 2021, through Friday, October , 2021. • Must apply for graduation via <i>myUH</i> account.
Master's / Doctoral Deadlines	<p>Monday, December , 2021</p> <p>Deadline for completed submission and final approval of thesis or dissertation.</p>
NOTE: College Commencements	<ul style="list-style-type: none"> • Please see the current UH Commencement information. • These events are ceremonies hosted separately by each College (or Department) and usually occur at the conclusion of the Fall and Spring terms. • Dates for the commencement events vary by College. Please check with your College as early as possible. • For information about individual college ceremonies, visit the College Commencements website.

August 2021

23 Monday
First day of classes.

25 Wednesday
Last day to add a class.

26 Thursday



ORD - Official Reporting Day

Last day to drop a course or withdraw without receiving a grade.

Last day to drop a course without hours counting towards the 99-Hour Doctoral Cap.

NOTE: Tuition is higher for hours in excess of the cap.

September 2021

6 Monday

Labor Day holiday

13 Monday

Last day to drop a course or withdraw with a "W".

23 Thursday

Last day of class.

24 Friday

Final examination period.

See: Current Final Exam Schedule

Official closing of Session 2.

See notes above re: commencements

28 Tuesday

Deadline for faculty to post Final Grades in myUH.



Fall Term 2021 - Session 3

Admission	Application deadlines can be found online at Graduate School in the Prospective Students section.
Enrollment	For enrollment periods by classification, please visit the Enrollment Schedule web page. Student-specific enrollment appointment will be posted to myUH when the course schedule is made available.
Financial aid applications	Information is available from the Costs and Financial Aid area of the UH website.
Payment and Refund Deadlines	Timing is critical to University payment and refund processes. Please review the information online at: Student Business Services.
Graduation Application Deadlines	<p>Regular Filing Period</p> <ul style="list-style-type: none"> • Friday, April , 2021, through Friday, October , 2021. • Must apply for graduation via <i>myUH</i> account. <p>Late Filing Period</p> <ul style="list-style-type: none"> • Saturday, October , 2021, through Friday, October , 2021. • Must apply for graduation via <i>myUH</i> account.
Master's / Doctoral Deadlines	<p>Monday, December , 2021</p> <p>Deadline for completed submission and final approval of thesis or dissertation.</p>
NOTE: College Commencements	<ul style="list-style-type: none"> • Please see the current UH Commencement information. • These events are ceremonies hosted separately by each College (or Department) and usually occur at the conclusion of the Fall and Spring terms. • Dates for the commencement events vary by College. Please check with your College as early as possible. • For information about individual college ceremonies, visit the College Commencements website.

August 2021

23 Monday
First day of classes.

25 Wednesday
Last day to add a class.



26 Thursday

ORD - Official Reporting Day

Last day to drop a course or withdraw without receiving a grade.

Last day to drop a course without hours counting towards the 99-Hour Doctoral Cap.

NOTE: Tuition is higher for hours in excess of the cap.

September 2021

6 Monday

Labor Day holiday

27 Monday

Last day to drop a course or withdraw with a "W".

October 2021

14 Thursday

Last day of class.

15 Friday

Final examination period.

See: Current Final Exam Schedule

Official closing of Session 3.

See notes above re: commencements

19 Tuesday

Deadline for faculty to post Final Grades in myUH.



Fall Term 2021 - Session 4

Admission	Application deadlines can be found online at Graduate School in the Prospective Students section.
Enrollment	For enrollment periods by classification, please visit the Enrollment Schedule web page. Student-specific enrollment appointment will be posted to myUH when the course schedule is made available.
Financial aid applications	Information is available from the Costs and Financial Aid area of the UH website.
Payment and Refund Deadlines	Timing is critical to University payment and refund processes. Please review the information online at: Student Business Services.
Graduation Application Deadlines	<p>Regular Filing Period</p> <ul style="list-style-type: none"> • Friday, April , 2021, through Friday, October , 2021. • Must apply for graduation via <i>myUH</i> account. <p>Late Filing Period</p> <ul style="list-style-type: none"> • Saturday, October , 2021, through Friday, October , 2021. • Must apply for graduation via <i>myUH</i> account.
Master's / Doctoral Deadlines	<p>Monday, December , 2021</p> <p>Deadline for completed submission and final approval of thesis or dissertation.</p>
NOTE: College Commencements	<ul style="list-style-type: none"> • Please see the current UH Commencement information. • These events are ceremonies hosted separately by each College (or Department) and usually occur at the conclusion of the Fall and Spring terms. • Dates for the commencement events vary by College. Please check with your College as early as possible. • For information about individual college ceremonies, visit the College Commencements website.

September 2021

27 Monday
First day of classes.

29 Wednesday
Last day to add a class.

Thursday



30 ORD - Official Reporting Day

Last day to drop a course or withdraw without receiving a grade.

Last day to drop a course without hours counting towards the 99-Hour Doctoral Cap.

NOTE: Tuition is higher for hours in excess of the cap.

October 2021

18 Monday

Last day to drop a course or withdraw with a "W".

28 Thursday

Last day of class.

29 Friday

Final examination period.

See: Current Final Exam Schedule

Official closing of Session 4.

See notes above re: commencements

November 2021

2 Tuesday

Deadline for faculty to post Final Grades in myUH.



Fall Term 2021 - Session 5

Admission	Application deadlines can be found online at Graduate School in the Prospective Students section.
Enrollment	For enrollment periods by classification, please visit the Enrollment Schedule web page. Student-specific enrollment appointment will be posted to myUH when the course schedule is made available.
Financial aid applications	Information is available from the Costs and Financial Aid area of the UH website.
Payment and Refund Deadlines	Timing is critical to University payment and refund processes. Please review the information online at: Student Business Services.
Graduation Application Deadlines	<p>Regular Filing Period</p> <ul style="list-style-type: none"> • Friday, April , 2021, through Friday, October , 2021. • Must apply for graduation via <i>myUH</i> account. <p>Late Filing Period</p> <ul style="list-style-type: none"> • Saturday, October , 2021, through Friday, October , 2021. • Must apply for graduation via <i>myUH</i> account.
Master's / Doctoral Deadlines	<p>Monday, December , 2021</p> <p>Deadline for completed submission and final approval of thesis or dissertation.</p>
NOTE: College Commencements	<ul style="list-style-type: none"> • Please see the current UH Commencement information. • These events are ceremonies hosted separately by each College (or Department) and usually occur at the conclusion of the Fall and Spring terms. • Dates for the commencement events vary by College. Please check with your College as early as possible. • For information about individual college ceremonies, visit the College Commencements website.

October 2021

18 Monday
First day of classes.

20 Wednesday
Last day to add a class.

21 Thursday



ORD - Official Reporting Day

Last day to drop a course or withdraw without receiving a grade.

Last day to drop a course without hours counting towards the 99-Hour Doctoral Cap.

NOTE: Tuition is higher for hours in excess of the cap.

November 2021

22 Monday

Last day to drop a course or withdraw with a "W".

24-27 Wednesday-Saturday

Thanksgiving holiday.

December 2021

14 Tuesday

Last day of class.

15 Wednesday

Final examination period.

See: Current Final Exam Schedule

Official closing of Session 5.

See notes above re: commencements

20 Monday

Deadline for faculty to post Final Grades in myUH.



Fall Term 2021 - Session 6

Admission	Application deadlines can be found online at Graduate School in the Prospective Students section.
Enrollment	For enrollment periods by classification, please visit the Enrollment Schedule web page. Student-specific enrollment appointment will be posted to myUH when the course schedule is made available.
Financial aid applications	Information is available from the Costs and Financial Aid area of the UH website.
Payment and Refund Deadlines	Timing is critical to University payment and refund processes. Please review the information online at: Student Business Services.
Graduation Application Deadlines	<p>Regular Filing Period</p> <ul style="list-style-type: none"> • Friday, April , 2021, through Friday, October , 2021. • Must apply for graduation via <i>myUH</i> account. <p>Late Filing Period</p> <ul style="list-style-type: none"> • Saturday, October , 2021, through Friday, October , 2021. • Must apply for graduation via <i>myUH</i> account.
Master's / Doctoral Deadlines	<p>Monday, December , 2021</p> <p>Deadline for completed submission and final approval of thesis or dissertation.</p>
NOTE: College Commencements	<ul style="list-style-type: none"> • Please see the current UH Commencement information. • These events are ceremonies hosted separately by each College (or Department) and usually occur at the conclusion of the Fall and Spring terms. • Dates for the commencement events vary by College. Please check with your College as early as possible. • For information about individual college ceremonies, visit the College Commencements website.

November 2021

1 Monday
First day of classes.

3 Wednesday
Last day to add a class.

4 Thursday



ORD - Official Reporting Day

Last day to drop a course or withdraw without receiving a grade.

Last day to drop a course without hours counting towards the 99-Hour Doctoral Cap.

NOTE: Tuition is higher for hours in excess of the cap.

22 Monday

Last day to drop a course or withdraw with a "W".

24-27 Wednesday-Saturday

Thanksgiving holiday

December 2021

7 Tuesday

Last day of class

8 Wednesday

Final examination period.

See: Current Final Exam Schedule

Official closing of Session 6.

See notes above re: commencements

13 Monday

Deadline for faculty to post Final Grades in myUH.



Spring Term Calendar General Information

Admission	Application deadlines can be found online at Graduate School in the Prospective Students section.
Enrollment	For enrollment periods by classification, please visit the Enrollment Schedule online. Student-specific enrollment appointment will be posted to myUH when the course schedule is made available.
Financial Aid Applications	Information is available from the Costs and Financial Aid area of the UH website.
Payment and Refund Deadlines	Timing is critical to University payment and refund processes. Please review the information online at: Student Business Services.
Graduation Application Deadlines	Regular Filing Period <ul style="list-style-type: none">• Friday, November , 2021, through Friday, February , 2022.• Must apply for graduation via <i>myUH</i> account. Late Filing Period <ul style="list-style-type: none">• Saturday, February , 2022, through Friday, March , 2022.• Must apply for graduation via <i>myUH</i> account.
Master's / Doctoral Deadlines	Monday, May TBD, 2022 Deadline for completed submission and final approval of thesis or dissertation.
NOTE:	<ul style="list-style-type: none">• Please see the current UH Commencement information.• These events are ceremonies hosted separately by each College (or Department) and usually occur at the conclusion of the Fall and Spring terms.
College Commencements	<ul style="list-style-type: none">• Dates for the commencement events vary by College. Please check with your College as early as possible.• For information about individual college ceremonies, visit the College Commencement website.



Spring Term 2022 - Spring/Winter Mini Session

Admission	Application deadlines can be found online at Graduate School in the Prospective Students section.
Enrollment	For enrollment periods by classification, please visit the Enrollment Schedule online. Student-specific enrollment appointment will be posted to myUH when the course schedule is made available.
Financial Aid Applications	Information is available from the Costs and Financial Aid area of the UH website.
Payment and Refund Deadlines	Timing is critical to University payment and refund processes. Please review the information online at: Student Business Services.
Graduation Application Deadlines	<p>Regular Filing Period</p> <ul style="list-style-type: none"> • Friday, November , 2021, through Friday, February , 2022. • Must apply for graduation via <i>myUH</i> account. <p>Late Filing Period</p> <ul style="list-style-type: none"> • Saturday, February , 2022, through Friday, March , 2022. • Must apply for graduation via <i>myUH</i> account.
Master's / Doctoral Deadlines	<p>Monday, May TBD, 2022</p> <p>Deadline for completed submission and final approval of thesis or dissertation.</p>
NOTE:	<ul style="list-style-type: none"> • Please see the current UH Commencement information. • These events are ceremonies hosted separately by each College (or Department) and usually occur at the conclusion of the Fall and Spring terms.
College Commencements	<ul style="list-style-type: none"> • Dates for the commencement events vary by College. Please check with your College as early as possible. • For information about individual college ceremonies, visit the College Commencement website.

December 2021	<p>20 Monday First day of classes.</p> <p>21 Tuesday Last day to add a class.</p> <p>22 Wednesday ORD - Official Reporting Day</p> <p>Last day to drop a course or withdraw without receiving a grade.</p>
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Last day to drop a course without hours counting towards the 99-Hour Doctoral Cap.

NOTE: Tuition is higher for hours in excess of the cap.

January 2022

10 Monday

Last day to drop a course or with a "W".

14 Friday

Last day of classes.

15 Saturday

Final Exams

Official closing of the Winter Mini session.

Deadline for faculty to post Final Grades in *myUH*.

May 2022

See notes above re: *commencements*



Spring Term 2022 - Session 1 (Regular)

Admission	Application deadlines can be found online at Graduate School in the Prospective Students section.
Enrollment	For enrollment periods by classification, please visit the Enrollment Schedule online. Student-specific enrollment appointment will be posted to myUH when the course schedule is made available.
Financial Aid Applications	Information is available from the Costs and Financial Aid area of the UH website.
Payment and Refund Deadlines	Timing is critical to University payment and refund processes. Please review the information online at: Student Business Services.
Graduation Application Deadlines	<p>Regular Filing Period</p> <ul style="list-style-type: none"> • Friday, November , 2021, through Friday, February , 2022. • Must apply for graduation via <i>myUH</i> account. <p>Late Filing Period</p> <ul style="list-style-type: none"> • Saturday, February , 2022, through Friday, March , 2022. • Must apply for graduation via <i>myUH</i> account.
Master's / Doctoral Deadlines	<p>Monday, May TBD, 2022</p> <p>Deadline for completed submission and final approval of thesis or dissertation.</p>
NOTE:	<ul style="list-style-type: none"> • Please see the current UH Commencement information. • These events are ceremonies hosted separately by each College (or Department) and usually occur at the conclusion of the Fall and Spring terms.
College Commencements	<ul style="list-style-type: none"> • Dates for the commencement events vary by College. Please check with your College as early as possible. • For information about individual college ceremonies, visit the College Commencement website.

January 2022	<p>17 Monday <i>Martin Luther King, Jr. holiday.</i></p> <p>18 Tuesday First day of classes.</p> <p>25 Tuesday Last day to add a class.</p>
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February 2022

2 Wednesday

ORD - Official Reporting Day

Last day to drop a course or withdraw without receiving a grade.

Last day to drop a course without hours counting towards the 99-Hour Doctoral Cap.

NOTE: Tuition is higher for hours in excess of the cap.

March 2022

14-19 Monday-Saturday

Spring holiday.

April 2022

5 Tuesday

Last day to drop a course or withdraw with a "W".

May 2022

2 Monday

Last day of classes.

3 Tuesday

Make up day for class days officially canceled by the university or Reading Period.

4-12 Wednesday-Thursday

Final examination period.

See: Current Final Exam Schedule

12 Thursday

Official closing of session 1.

TBD TBD

Deadline for faculty to post Final Grades in myUH.

See notes above re: commencements



Spring Term 2022 - Session 2

Admission	Application deadlines can be found online at Graduate School in the Prospective Students section.
Enrollment	For enrollment periods by classification, please visit the Enrollment Schedule online. Student-specific enrollment appointment will be posted to myUH when the course schedule is made available.
Financial Aid Applications	Information is available from the Costs and Financial Aid area of the UH website.
Payment and Refund Deadlines	Timing is critical to University payment and refund processes. Please review the information online at: Student Business Services.
Graduation Application Deadlines	Regular Filing Period <ul style="list-style-type: none">• Friday, November , 2021, through Friday, February , 2022.• Must apply for graduation via <i>myUH</i> account. Late Filing Period <ul style="list-style-type: none">• Saturday, February , 2022, through Friday, March , 2022.• Must apply for graduation via <i>myUH</i> account.
Master's / Doctoral Deadlines	Monday, May TBD, 2022 Deadline for completed submission and final approval of thesis or dissertation.
NOTE:	<ul style="list-style-type: none">• Please see the current UH Commencement information.• These events are ceremonies hosted separately by each College (or Department) and usually occur at the conclusion of the Fall and Spring terms.
College Commencements	<ul style="list-style-type: none">• Dates for the commencement events vary by College. Please check with your College as early as possible.• For information about individual college ceremonies, visit the College Commencement website.

January 2022

17 Monday
Martin Luther King, Jr. holiday.

18 Tuesday
First day of classes.

20 Thursday
Last day to add a class.



21 Friday

ORD - Official Reporting Day

Last day to drop a course or withdraw without receiving a grade.

Last day to drop a course without hours counting towards the 99-Hour Doctoral Cap.

NOTE: Tuition is higher for hours in excess of the cap.

February 2022

7 Monday

Last day to drop a course or withdraw with a 'W'.

17 Thursday

Last day of classes.

18 Friday

Final examination period.

See: Current Final Exam Schedule

Official closing of session 2.

TBD TBD

Deadline for faculty to post Final Grades in myUH.

May 2022

See notes above re: commencements



Spring Term 2022 - Session 3

Admission	Application deadlines can be found online at Graduate School in the Prospective Students section.
Enrollment	For enrollment periods by classification, please visit the Enrollment Schedule online. Student-specific enrollment appointment will be posted to myUH when the course schedule is made available.
Financial Aid Applications	Information is available from the Costs and Financial Aid area of the UH website.
Payment and Refund Deadlines	Timing is critical to University payment and refund processes. Please review the information online at: Student Business Services.
Graduation Application Deadlines	Regular Filing Period <ul style="list-style-type: none">• Friday, November , 2021, through Friday, February , 2022.• Must apply for graduation via <i>myUH</i> account. Late Filing Period <ul style="list-style-type: none">• Saturday, February , 2022, through Friday, March , 2022.• Must apply for graduation via <i>myUH</i> account.
Master's / Doctoral Deadlines	Monday, May TBD, 2022 Deadline for completed submission and final approval of thesis or dissertation.
NOTE:	<ul style="list-style-type: none">• Please see the current UH Commencement information.• These events are ceremonies hosted separately by each College (or Department) and usually occur at the conclusion of the Fall and Spring terms.
College Commencements	<ul style="list-style-type: none">• Dates for the commencement events vary by College. Please check with your College as early as possible.• For information about individual college ceremonies, visit the College Commencement website.

January 2022	17 Monday <i>Martin Luther King, Jr. holiday.</i>
	18 Tuesday First day of classes.
	20 Thursday Last day to add a class.



21 Friday

ORD - Official Reporting Day

Last day to drop a course or withdraw without receiving a grade.

Last day to drop a course without hours counting towards the 99-Hour Doctoral Cap.

NOTE: Tuition is higher for hours in excess of the cap.

February 2022

21 Monday

Last day to drop a course or withdraw with a "W".

March 2022

10 Thursday

Last day of classes.

11 Friday

Final examination period.

See: Current Final Exam Schedule

Official closing of the session 3.

TBD TBD

Deadline for faculty to post Final Grades in myUH.

14-19 Monday-Saturday

Spring holiday.

May 2022

See notes above re: commencements



Spring Term 2022 - Session 4

Admission	Application deadlines can be found online at Graduate School in the Prospective Students section.
Enrollment	For enrollment periods by classification, please visit the Enrollment Schedule online. Student-specific enrollment appointment will be posted to myUH when the course schedule is made available.
Financial Aid Applications	Information is available from the Costs and Financial Aid area of the UH website.
Payment and Refund Deadlines	Timing is critical to University payment and refund processes. Please review the information online at: Student Business Services.
Graduation Application Deadlines	<p>Regular Filing Period</p> <ul style="list-style-type: none"> • Friday, November , 2021, through Friday, February , 2022. • Must apply for graduation via <i>myUH</i> account. <p>Late Filing Period</p> <ul style="list-style-type: none"> • Saturday, February , 2022, through Friday, March , 2022. • Must apply for graduation via <i>myUH</i> account.
Master's / Doctoral Deadlines	<p>Monday, May TBD, 2022</p> <p>Deadline for completed submission and final approval of thesis or dissertation.</p>
NOTE:	<ul style="list-style-type: none"> • Please see the current UH Commencement information. • These events are ceremonies hosted separately by each College (or Department) and usually occur at the conclusion of the Fall and Spring terms.
College Commencements	<ul style="list-style-type: none"> • Dates for the commencement events vary by College. Please check with your College as early as possible. • For information about individual college ceremonies, visit the College Commencement website.

February 2022	<p>21 Monday First day of classes.</p> <p>23 Wednesday Last day to add a class.</p> <p>24 Thursday ORD - Official Reporting Day</p>
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Last day to drop a course or withdraw without receiving a grade.

Last day to drop a course without hours counting towards the 99-Hour Doctoral Cap.

NOTE: Tuition is higher for hours in excess of the cap.

March 2022

14-19 Monday-Saturday

Spring holiday.

21 Monday

Last day to drop a course or withdraw with a "W".

31 Thursday

Last day of classes.

April 2022

1 Friday

Final examination period.

See: Current Final Exam Schedule

Official closing of the session 4.

TBD TBD

Deadline for faculty to post Final Grades in *myUH*.

May 2022

See notes above re: commencements



Spring Term 2022 - Session 5

Admission	Application deadlines can be found online at Graduate School in the Prospective Students section.
Enrollment	For enrollment periods by classification, please visit the Enrollment Schedule online. Student-specific enrollment appointment will be posted to myUH when the course schedule is made available.
Financial Aid Applications	Information is available from the Costs and Financial Aid area of the UH website.
Payment and Refund Deadlines	Timing is critical to University payment and refund processes. Please review the information online at: Student Business Services.
Graduation Application Deadlines	Regular Filing Period <ul style="list-style-type: none">• Friday, November , 2021, through Friday, February , 2022.• Must apply for graduation via <i>myUH</i> account. Late Filing Period <ul style="list-style-type: none">• Saturday, February , 2022, through Friday, March , 2022.• Must apply for graduation via <i>myUH</i> account.
Master's / Doctoral Deadlines	Monday, May TBD, 2022 Deadline for completed submission and final approval of thesis or dissertation.
NOTE:	<ul style="list-style-type: none">• Please see the current UH Commencement information.• These events are ceremonies hosted separately by each College (or Department) and usually occur at the conclusion of the Fall and Spring terms.
College Commencements	<ul style="list-style-type: none">• Dates for the commencement events vary by College. Please check with your College as early as possible.• For information about individual college ceremonies, visit the College Commencement website.

March 2022	21 Monday First day of classes.
	23 Wednesday Last day to add a class.
	24 Thursday ORD - Official Reporting Day Last day to drop a course or withdraw without receiving a grade.



Last day to drop a course without hours counting towards the 99-Hour Doctoral Cap.

NOTE: Tuition is higher for hours in excess of the cap.

April 2022

25 Monday

Last day to drop a course or withdraw with a "W".

May 2022

11 Wednesday

Last day of classes.

12 Thursday

Final examination period.

See: Current Final Exam Schedule

Official closing of the session 5.

TBD TBD

Deadline for faculty to post Final Grades in myUH.

See notes above re: commencements



Spring Term 2022 - Session 6

Admission	Application deadlines can be found online at Graduate School in the Prospective Students section.
Enrollment	For enrollment periods by classification, please visit the Enrollment Schedule online. Student-specific enrollment appointment will be posted to myUH when the course schedule is made available.
Financial Aid Applications	Information is available from the Costs and Financial Aid area of the UH website.
Payment and Refund Deadlines	Timing is critical to University payment and refund processes. Please review the information online at: Student Business Services.
Graduation Application Deadlines	<p>Regular Filing Period</p> <ul style="list-style-type: none"> • Friday, November , 2021, through Friday, February , 2022. • Must apply for graduation via <i>myUH</i> account. <p>Late Filing Period</p> <ul style="list-style-type: none"> • Saturday, February , 2022, through Friday, March , 2022. • Must apply for graduation via <i>myUH</i> account.
Master's / Doctoral Deadlines	<p>Monday, May TBD, 2022</p> <p>Deadline for completed submission and final approval of thesis or dissertation.</p>
NOTE:	<ul style="list-style-type: none"> • Please see the current UH Commencement information. • These events are ceremonies hosted separately by each College (or Department) and usually occur at the conclusion of the Fall and Spring terms.
College Commencements	<ul style="list-style-type: none"> • Dates for the commencement events vary by College. Please check with your College as early as possible. • For information about individual college ceremonies, visit the College Commencement website.

April 2022	<p>4 Monday</p> <p>First day of classes.</p> <p>6 Wednesday</p> <p>Last day to add a class.</p> <p>7 Thursday</p> <p>ORD - Official Reporting Day</p>
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Last day to drop a course or withdraw without receiving a grade.

Last day to drop a course without hours counting towards the 99-Hour Doctoral Cap.

NOTE: Tuition is higher for hours in excess of the cap.

25 Monday

Last day to drop a course or withdraw with a "W".

5 Thursday

Last day of classes

6 Friday

Final examination period.

Official closing of Session 6.

TBD TBD

Deadline for faculty to post final grades in myUH.

See notes above re: commencements

May 2022



Summer Term Calendar General Information

Admission	Application deadlines can be found online at Graduate School in the Prospective Students section.
Enrollment	For enrollment periods by classification, please visit the Enrollment Schedule online. Student-specific enrollment appointments will be posted in <i>myUH</i> when the course schedule is made available.
Financial aid applications	Information is available in the Costs and Financial Aid area of the UH website.
Payment and Refund Deadlines	Timing is critical to University payment and refund processes. Please review the information online at: Student Business Services.
Graduation Application Deadlines	Regular Filing Period <ul style="list-style-type: none">• Friday, April 2, 2022, through Friday, July 9, 2022.• Must apply for graduation via <i>myUH</i> account. Late Filing Period <ul style="list-style-type: none">• Saturday, July 10, 2022, through Friday, July 23, 2022.• Must apply for graduation via <i>myUH</i> account.
Master's / Doctoral Deadlines	Monday, August TBD, 2022 Deadline for completed submission and final approval of thesis or dissertation.
NOTE:	<ul style="list-style-type: none">• Please see the current UH Commencement information.• These events are ceremonies hosted separately by each College (or Department) and usually occur at the conclusion of the Fall and Spring terms.• Dates for the commencement events vary by College. Please check with your College as early as possible.• For information about individual college ceremonies, visit the College Commencement website.
College Commencements	
Summer Sessions Meeting Information	<ul style="list-style-type: none">• Summer Session 1<ul style="list-style-type: none">○ Monday/Wednesday classes will also meet on Friday, June 11 and Friday, June 25.○ Tuesday/Thursday classes will also meet on Friday, June 18, and Friday, July 2.



- Summer Session 2
 - Classes meet five days per week, Monday through Friday.
- Summer Session 3
 - Classes meet on Tuesday, Wednesday, and Thursday each week. **Finals will be scheduled TBD.**
- Summer Session 4
 - Classes meet five days per week, Monday through Friday.



Summer Term 2022 - Summer Mini Session

Admission	Application deadlines can be found online at Graduate School in the Prospective Students section.
Enrollment	For enrollment periods by classification, please visit the Enrollment Schedule online. Student-specific enrollment appointments will be posted in <i>myUH</i> when the course schedule is made available.
Financial aid applications	Information is available in the Costs and Financial Aid area of the UH website.
Payment and Refund Deadlines	Timing is critical to University payment and refund processes. Please review the information online at: Student Business Services.
Graduation Application Deadlines	Regular Filing Period <ul style="list-style-type: none">• Friday, April 2, 2022, through Friday, July 9, 2022.• Must apply for graduation via <i>myUH</i> account. Late Filing Period <ul style="list-style-type: none">• Saturday, July 10, 2022, through Friday, July 23, 2022.• Must apply for graduation via <i>myUH</i> account.
Master's / Doctoral Deadlines	Monday, August TBD, 2022 Deadline for completed submission and final approval of thesis or dissertation.
NOTE:	<ul style="list-style-type: none">• Please see the current UH Commencement information.• These events are ceremonies hosted separately by each College (or Department) and usually occur at the conclusion of the Fall and Spring terms.
College Commencements	<ul style="list-style-type: none">• Dates for the commencement events vary by College. Please check with your College as early as possible.• For information about individual college ceremonies, visit the College Commencement website.
Summer Sessions Meeting Information	<ul style="list-style-type: none">• Summer Session 1<ul style="list-style-type: none">○ Monday/Wednesday classes will also meet on Friday, June 11 and Friday, June 25.○ Tuesday/Thursday classes will also meet on Friday, June 18, and Friday, July 2.



- Summer Session 2
 - Classes meet five days per week, Monday through Friday.
- Summer Session 3
 - Classes meet on Tuesday, Wednesday, and Thursday each week. **Finals will be scheduled TBD.**
- Summer Session 4
 - Classes meet five days per week, Monday through Friday.

May 2022

16 Monday

First day of classes.

17 Tuesday

Last day to add a class.

18 Wednesday

ORD - Official Reporting Day

Last day to drop a course or withdraw without receiving a grade.

Last day to drop a course without hours counting towards the 99-Hour Doctoral Cap.

NOTE: Tuition is higher for hours in excess of the cap.

30 Monday

Memorial Day holiday

31 Tuesday

Last day to drop a course or withdraw with a "W".

June 2022

3 Friday

Last day of classes.

4 Saturday

Final examination period.

Official closing of Summer Mini Session.

Deadline for faculty to post final grades in *myUH*.

See notes above re: commencements



Summer Term 2022 - Session 1

Admission	Application deadlines can be found online at Graduate School in the Prospective Students section.
Enrollment	For enrollment periods by classification, please visit the Enrollment Schedule online. Student-specific enrollment appointments will be posted in <i>myUH</i> when the course schedule is made available.
Financial aid applications	Information is available in the Costs and Financial Aid area of the UH website.
Payment and Refund Deadlines	Timing is critical to University payment and refund processes. Please review the information online at: Student Business Services.
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College Commencements	<ul style="list-style-type: none">• Dates for the commencement events vary by College. Please check with your College as early as possible.• For information about individual college ceremonies, visit the College Commencement website.
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 - Classes meet on Tuesday, Wednesday, and Thursday each week. **Finals will be scheduled TBD.**
- Summer Session 4
 - Classes meet five days per week, Monday through Friday.

June 2022

6 Monday

First day of classes.

7 Tuesday

Last day to add a class.

9 Thursday

ORD - Official Reporting Day.

Last day to drop a course or withdraw without receiving a grade.

Last day to drop a course without hours counting towards the 99-Hour Doctoral Cap.

NOTE: Tuition is higher for hours in excess of the cap.

July 2022

4 Monday

Independence Day holiday.

19 Tuesday

Last day to drop a course or with a "W".

August 2022

9 Tuesday

Last day of classes.

10-12 Wednesday-Friday

Final examination period.

TBD TBD

Official closing of Session 1.

TBD TBD

Deadline for faculty to post final grades in myUH.

See notes above re: commencements.





Summer Term 2022 - Session 2

Admission	Application deadlines can be found online at Graduate School in the Prospective Students section.
Enrollment	For enrollment periods by classification, please visit the Enrollment Schedule online. Student-specific enrollment appointments will be posted in <i>myUH</i> when the course schedule is made available.
Financial aid applications	Information is available in the Costs and Financial Aid area of the UH website.
Payment and Refund Deadlines	Timing is critical to University payment and refund processes. Please review the information online at: Student Business Services.
Graduation Application Deadlines	Regular Filing Period <ul style="list-style-type: none">• Friday, April 2, 2022, through Friday, July 9, 2022.• Must apply for graduation via <i>myUH</i> account. Late Filing Period <ul style="list-style-type: none">• Saturday, July 10, 2022, through Friday, July 23, 2022.• Must apply for graduation via <i>myUH</i> account.
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College Commencements	<ul style="list-style-type: none">• Dates for the commencement events vary by College. Please check with your College as early as possible.• For information about individual college ceremonies, visit the College Commencement website.
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- Summer Session 4
 - Classes meet five days per week, Monday through Friday.

June 2022

6 Monday

First day of classes.

7 Tuesday

Last day to add a class.

9 Thursday

ORD - Official Reporting Day

Last day to drop a course or withdraw without receiving a grade.

Last day to drop a course without hours counting towards the 99-Hour Doctoral Cap.

NOTE: Tuition is higher for hours in excess of the cap.

27 Monday

Last day to drop a course or with a "W".

July 2022

4 Monday

Independence Day holiday

5 Tuesday

Last day of classes.

6-7 Wednesday-Thursday

Final examination period.

TBD TBD

Official closing of Session 2.

TBD TBD

Deadline for faculty to post final grades in myUH.



See notes above re: commencements



Summer Term 2022 - Session 3

Admission	Application deadlines can be found online at Graduate School in the Prospective Students section.
Enrollment	For enrollment periods by classification, please visit the Enrollment Schedule online. Student-specific enrollment appointments will be posted in <i>myUH</i> when the course schedule is made available.
Financial aid applications	Information is available in the Costs and Financial Aid area of the UH website.
Payment and Refund Deadlines	Timing is critical to University payment and refund processes. Please review the information online at: Student Business Services.
Graduation Application Deadlines	Regular Filing Period <ul style="list-style-type: none">• Friday, April 2, 2022, through Friday, July 9, 2022.• Must apply for graduation via <i>myUH</i> account. Late Filing Period <ul style="list-style-type: none">• Saturday, July 10, 2022, through Friday, July 23, 2022.• Must apply for graduation via <i>myUH</i> account.
Master's / Doctoral Deadlines	Monday, August TBD, 2022 Deadline for completed submission and final approval of thesis or dissertation.
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College Commencements	<ul style="list-style-type: none">• Dates for the commencement events vary by College. Please check with your College as early as possible.• For information about individual college ceremonies, visit the College Commencement website.
Summer Sessions Meeting Information	<ul style="list-style-type: none">• Summer Session 1<ul style="list-style-type: none">○ Monday/Wednesday classes will also meet on Friday, June 11 and Friday, June 25.○ Tuesday/Thursday classes will also meet on Friday, June 18, and Friday, July 2.



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- Summer Session 3
 - Classes meet on Tuesday, Wednesday, and Thursday each week. **Finals will be scheduled TBD.**
- Summer Session 4
 - Classes meet five days per week, Monday through Friday.

June 2022

6 Monday

First day of classes.

7 Tuesday

Last day to add a class.

9 Thursday

ORD - Official Reporting Day.

Last day to drop a course or withdraw without receiving a grade.

Last day to drop a course without hours counting towards the 99-Hour Doctoral Cap.

NOTE: Tuition is higher for hours in excess of the cap.

July 2022

4 Monday

Independence Day holiday

6 Wednesday

Last day to drop a course or with a "W".

21 Thursday

Last day of classes.

25-26 Monday-Tuesday

Final examination period.

TBD TBD

Official closing of Session 3.

TBD TBD

Deadline for faculty to post final grades in myUH.

See notes above re: commencements.





Summer Term 2022 - Session 4

Admission	Application deadlines can be found online at Graduate School in the Prospective Students section.
Enrollment	For enrollment periods by classification, please visit the Enrollment Schedule online. Student-specific enrollment appointments will be posted in <i>myUH</i> when the course schedule is made available.
Financial aid applications	Information is available in the Costs and Financial Aid area of the UH website.
Payment and Refund Deadlines	Timing is critical to University payment and refund processes. Please review the information online at: Student Business Services.
Graduation Application Deadlines	Regular Filing Period <ul style="list-style-type: none">• Friday, April 2, 2022, through Friday, July 9, 2022.• Must apply for graduation via <i>myUH</i> account. Late Filing Period <ul style="list-style-type: none">• Saturday, July 10, 2022, through Friday, July 23, 2022.• Must apply for graduation via <i>myUH</i> account.
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College Commencements	
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- Summer Session 4
 - Classes meet five days per week, Monday through Friday.

July 2022

11 Monday

First day of classes.

12 Tuesday

Last day to add a class.

14 Thursday

ORD - Official Reporting Day

Last day to drop a course or withdraw without receiving a grade.

Last day to drop a course without hours counting towards the 99-Hour Doctoral Cap.

NOTE: Tuition is higher for hours in excess of the cap.

August 2022

1 Monday

Last day to drop a course or withdraw with a "W".

8 Monday

Last day of class.

9 Tuesday-Wednesday

Final examination period.

See: Current Final Exam Schedule

TBD TBD

Official closing of Session 4.

TBD TBD

Deadline for faculty to post final grades in myUH.

See notes above re: commencements



Tuition & Fees

General Information

Tuition and Fees

In accordance with Chapter 54 of the Texas Educational Code, the University of Houston may collect from students attending the institution any tuition, fee, or charge of any kind as permitted by law.

To assist you in estimating the cost of your tuition and fees, current rates and a tuition and fee calculator can be located on the Student Business Services website at: <http://www.uh.edu/financial/graduate/tuition-fees/>. This information is to be used for estimation purposes only. Tuition and fee charges are based upon the student's residency status, course of study, and number of hours taken. Students should be aware that other fees, such as laboratory fees, course fees, parking decals, etc., are not included in the tuition and fee calculator estimates. The university reserves the right to update rates for tuition, fees and other charges as approved by university board of regents or the Texas Legislature.

It is the student's responsibility to be aware of all respective payment due dates. Payment due dates can be found on the Student Business Services website at: <http://www.uh.edu/financial/payment/billing-due-dates/>. Prior to enrollment each term all students will be required to acknowledge the payment terms agreement.

University Fees

University Fees are listed for both undergraduate and graduate students on the Student Business Services website.

Depending upon your course of study, additional course/lab fees may be applicable. Please check with your advisor or the class listing to see if additional charges apply.

Miscellaneous Fees

"Miscellaneous Fees" may be viewed by accessing the Student Financial Services Web site at <http://www.uh.edu/financial/graduate/tuition-fees/required-fees>.

Course Auditing

Approval to audit must be approved by the dean of the college in which the course is offered. Students who choose to audit a class will pay the applicable rate for tuition and fees assessed to students enrolled in a for credit class.

Payment Plans

Installment Payment Plans

The University of Houston offers payment plans which allows students to pay tuition and fees in four installments. Students accept the installment plan through student self-service. In order to enroll students must pay a \$25.00 service fee and a minimum of 25% of current semester charges. Installment plan due dates are published at the following Web site: <http://www.uh.edu/financial/payment/> under the Billing Due Dates section. All installments are due by the published due dates. Installments not paid by the due date will be assessed a \$25.00 and late fee.



Deferred Payment Plan

The university offers two deferment plans to assist students in paying their tuition and fees. These plans are referred to as the Emergency Deferment Plan & Short Term Deferment Plan. The Emergency Deferment extends payment of the current semester's tuition and mandatory fees. The emergency deferment is due no later than either the 90th calendar day of the semester or by the last class day, whichever comes first. This deferment does not cover room and board fees.

The Short Term Tuition Deferment covers 100% of all current semester tuition and fees, as well as room and board charges. This short term deferment is due by the 45th calendar day of the semester or by the last class day, whichever comes first. Book loans are available each term and through the 20th class day and must be used during the first 20 calendar days of the semester. The Book Loan is \$400.00 during the fall or spring semester and \$200.00 during the summer session.

University Payment Plans and Book Loan are only available online through student self-service. For more information please visit the following web site: www.uh.edu/sbs or speak to a Customer Service Representative at the Welcome Center.

Students with a prior term balance will not be eligible to enter a new payment plan or qualify for a book loan until all past due amounts are paid in full.

Tuition and Fees Exemptions and Residency Waivers

The University of Houston extends to students any waivers and exemptions for which they qualify. The university reserves the right to evaluate each individual waiver and exemption for compliance with existing regulations and will base any decision on the merit of such review.

Effective fall 2014, all Texas public institutions of higher education must comply with new legislation passed by the Texas Legislature that has been added to the Texas Education Code Section 54.2001 Continued Receipt of Exemptions or Waivers. In order to continue receiving certain waivers and exemptions, graduate and undergraduate students must now meet the University's grade point average requirement for making satisfactory academic progress toward a degree or certificate, in accordance with the institution's policy regarding eligibility for financial aid. In addition, hours considered excessive under Texas Education Code, Section 54.014 Tuition for Repeated or Excessive Hours, may not be eligible for exemption.

A listing of the most common statutory waivers can be located on the Student Business Services website at: <http://www.uh.edu/financial/payment/Fee-Waivers/>.

Tuition and Fees Refunds Refund Policy

Dropped Courses

Students who drop courses but maintain enrollment for that academic term (i.e., do not drop all their courses) may be eligible for a refund for the dropped course(s) subject to refund guidelines established by the state legislature. Withdrawal after the first class day may result in the student owing money to the university. Students who have unpaid obligations under a payment plan may be liable for any unpaid obligations. Read Refunds Under Installment Payment Plans in this section for additional information.) Please visit: www.uh.edu/financial/payment/refunds/ for the University of Houston refund schedule.

Administrative offices are not open on weekends. If the percentage of refund due to withdrawal changes over a weekend, the student must submit his withdrawal to the Office of the University Registrar by 5 p.m. the Friday before that weekend in order to obtain the higher percentage of refund.



Any refund of charges calculated on dropped (or withdrawn) courses is determined by the drop (or withdrawn) dates on record. Refund percentages are found at: www.uh.edu/financial/payment/refunds/. Payments applied to an account will be subtracted from the total "remaining charges." When payments received exceed the "remaining charges," the excess will be returned to the student.

If a credit balance is the result of dropped or withdrawn courses, or an overpayment, or credit(s) issued on an account, and no financial aid has been received, refunds must be requested online by the student through *myUH*. If a credit balance is the result of the application of excess financial aid to an account, and eligibility for financial aid is maintained with the existing course load, then a refund will automatically be generated to the student. It is not necessary to access *myUH* in this situation to request a refund.

Optional fee refunds for such items as parking, yearbooks, etc., are processed in the respective offices or departments.

Students must withdraw from school or drop classes at the Office of the University Registrar, 128 Welcome Center, for these transactions to be recognized as valid. Students who have received financial aid may also be required to repay to the university a portion of their aid upon withdrawal.

Refunds Under Installment Payment Plans

Dropping courses or withdrawing from the university does not relieve a student of the responsibility for unmet financial obligations to the university. Students enrolled in installment payment plans must continue making payments until the nonrefundable portions of their accounts are paid in full.

Contact the Bursar's Office for more information.

99-Hour Doctoral Cap

The State of Texas subsidizes a large portion of the costs of doctoral education at its public universities, and the State Legislature has decided to limit the length of time the state will continue this subsidy for individual students. All doctoral students who accumulate more than ninety-nine doctoral semester credit hours at any Texas public institution of higher education will be charged the non-resident tuition rates irrespective of student residency status or any appointment, fellowship, or other circumstance that would normally entitle them to resident tuition rates.

See the catalog entry on the 99-Hour Doctoral Cap for full details.



Scholarships & Financial Aid

General Information

At the University of Houston, we realize the important role financial aid plays in funding your education. In order to have access to this valuable resource in a timely fashion, it is important for you to complete a Free Application for Federal Student Aid (FAFSA) as soon as possible after October 1 (prior to the academic year) to ensure you receive your award in time to pay tuition and fees. Since we know the financial aid process can be confusing, staff in the Office of Scholarships and Financial Aid are available to help answer your questions on a walk-in basis or by appointment.

How to Apply

To apply for federal, state or university funding, you must complete a Free Application for Federal Student Aid (FAFSA) at www.fafsa.ed.gov. The University of Houston Federal School Code is 003652.

Awards may range from scholarships and grants to student loans and student employment. Most, but not all, programs require a student to demonstrate financial need.

You must have your FAFSA and all required documents submitted to the Office of Scholarships and Financial Aid by the priority deadline of February 15, to receive the maximum consideration for limited financial aid resources.

Please visit our web site at <http://www.uh.edu/financial/graduate/> for details on all the financial aid programs available to graduate students at the University of Houston.

Disbursement of Aid

Each semester, financial aid disbursement begins no earlier than the first day of classes. Proceeds from loan funds will begin disbursing on the first day of class and proceeds from grant funding will begin paying after the 13th class day. If you have satisfied all application and disbursement requirements and met the conditions of your award, your financial aid will be automatically credited to your UH student account as payment. If you have a credit balance remaining after your tuition has been paid, you will receive a refund that will be processed by the Office of Student Business Services.

Revisions and Cancellations of Aid

The university reserves the right to review, revise, or cancel all financial aid at any time due to changes in your financial and/or academic status or failure to comply with federal or state laws and regulations, including financial verification, audit procedures, and university policies. In addition, financial aid may be subject to revision based on funding received by the university from the federal or state government, and any changes to federal or state laws, regulations or policies.

Aid Revisions After Drop/Add Period

If your financial aid is disbursed at the beginning of the semester and you reduce your number of enrolled hours within the drop/add period, your aid will be adjusted to reflect your semester enrollment (registration). If your reduced enrollment results in less eligibility for aid, your



will be charged for the overpayment of financial aid - creating a balance due on your UH student account. If you have questions about the financial impact of dropping classes, please contact the Office of Scholarships and Financial Aid.

Maintaining Eligibility

The various federal and state regulations governing student financial assistance programs require that an institution develop a standard to measure students' reasonable progress towards a degree objective - Satisfactory Academic Progress. Academic progress is reviewed at the conclusion of each academic year. Failure to maintain satisfactory academic progress will result in the denial or cancellation of your financial aid.

The Office of Scholarships and Financial Aid may administratively grant one probationary semester of assistance for students whose academic progress has changed to "warning" at the conclusion of their first semester of enrollment at UH.

The following qualitative and quantitative standards must be met to remain eligible for financial aid at the University of Houston. Certain programs, including the Graduate Tuition Fellowship, may have higher standards than those listed below.

Qualitative Measures of Academic Progress

The qualitative measure of academic progress is a grading scale of 0.00 to 4.00, based on students' enrollment classification.

Classification	GPA Minimum Requirement
Undergraduate	2.00
Post-baccalaureate	2.00
Graduate	3.00
Law & Optometry	2.00

Quantitative Measures of Academic Progress

Students cannot receive financial aid beyond a specified total of attempted credit hours, and they must complete a certain percentage of the credit hours for which they are enrolled.

Classification	Maximum Attempted Hours Including Transfer Hours	Ratio of Passed Hours to Attempted to Hours
Undergraduate	180 credit hours	67%
Post-baccalaureate	100 hours beyond bachelor's	67%
Graduate and Professional	100 hours beyond bachelor's	67%
Law & Optometry	200 hours beyond bachelor's	67%

NOTE: Hours passed DO NOT include grades of: **I** (incomplete), **U** (unsatisfactory), **F** (failed), or **W** (withdrawal); however, these hours are included in hours attempted.



Withdrawal Policy

For any student who officially or unofficially withdraws from the university or fails to earn a passing grade in any class, federal regulations require a refund calculation for all students receiving Federal Title IV Funds. The calculation of the return of these funds may result in you owing a balance to the university. Also, any future aid will be canceled. For any withdrawal prior to the 12th class day, all state and institutional aid will be canceled. Withdrawing from classes will impact your Satisfactory Academic Progress and may cause you to be ineligible for future financial aid. All students should visit with a financial aid advisor prior to withdrawing.

Fraud Policy

Misconduct Involving the Administration and/or Receipt of Financial Aid

There are situations where students and/or parents may willfully falsify or misrepresent information or engage in other misconduct for the purpose of obtaining financial aid. As administrators of Title IV programs and funds, the university is obligated to ensure processes are in place to protect against fraud by applicants, staff, or third party servicers. When identifying actual or suspected cases of fraud and abuse, the university will follow the law [34 CFR 668.53(a)(5), 668.14(g)] and refer all cases to the appropriate law enforcement authorities.

The Office of Scholarships and Financial Aid must identify and resolve discrepancies in the information received from different sources with respect to a student's application for Title IV aid. These items include, but are not limited to:

- Student aid applications
- Need analysis documents (e.g., Institutional Student Information Records (ISIRs) and Student Aid Reports (SARs))
- Federal income tax returns
- Documents and information related to a student's citizenship
- School credentials (e.g., high school diploma)
- Documentation of the student's Social Security Number (SSN)
- Compliance with the Selective Service registration requirement and other factors related to students' eligibility for Title IV funds

Some forms of financial aid fraud include, but are not limited to, the following:

- False claims of independent student status;
- False claims of citizenship;
- Use of false identities;
- False statements of income;
- Forged signatures on an application, verification documentation or master promissory notes
- Falsified documents, including reporting members that are not part of your household
- Use of fictitious names, addresses, SSNs

Procedures for Fraud

If a financial aid officer suspects or determines misrepresentation of facts, false statements, or alteration of documents which resulted or could result in the awarding or disbursement of funds for which the student is not eligible, the information shall be reported to the Executive Director of Scholarships and Financial Aid. The Executive Director of Scholarships and Financial Aid shall consider the information, and if deemed advisable, refer the matter to university officials for further review.



If an employee of the Office of Scholarships and Financial Aid suspects a supervisor or a director of fraud, an anonymous complaint can be filed with Mysafecampus.com. The complaint will be reviewed and referred by an independent university official for further action.

Once university officials ascertain the possibility that suspicious activity or misconduct occurred, the university will refer the matter to the Office of Inspector General of the Department of Education, and/or other applicable federal or state regulatory or law enforcement authorities as necessary and without delay.

Students and/or university personnel who engage in or who are suspected of engaging in fraud or misconduct will be dealt with in accordance with university policies and may face disciplinary sanctions for their involvement, up to and including dismissal from the university.

Cases of fraud will be reported to the Office of Inspector General (OIG):

Inspector General's Hotline: 1-800-MIS-USED

<http://www.ed.gov/about/offices/list/oig/hotline.html>

*Office of Inspector General
U.S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202-1510*



Policies

General Academic Regulations and Requirements

The regulations and degree requirements outlined here have been approved by the Graduate and Professional Studies Committee (GPSC) of the Faculty Senate, and/or its predecessor organizations. Due to the very nature of graduate and professional education, students admitted to graduate and professional studies at the University of Houston should expect the coursework to be at a more advanced level. In addition, students are expected to display a greater level of maturity and self-learning skills.

Since each individual college within the University of Houston establishes and monitors its own graduate programs, these university regulations are established as minimal standards for graduate studies at UH. Each individual college or graduate and professional program may have entrance requirements and degree requirements that exceed these established by the University. Each prospective graduate student must contact the individual college or department for information concerning its graduate or professional requirements.

Admission and Registration

[General Admission Policy](#) | [Competitive Fellowship Factors](#) | [Certification of International Degrees as Bachelor Equivalent](#) | [Determining Residency for Tuition Purposes](#) | [Enrollment](#) | [Auditing Courses](#) | [Dropping Courses](#) | [Term Withdrawal](#) | [99-Hour Doctoral Cap](#)

Academic Policies and Procedures

[Academic Honesty](#) | [Academic Modifications for Students with Disabilities](#) | [Changes of Degree Objective](#) | [Classification](#) | [Examinations](#) | [Excused Absence for Military Service Policy](#) | [Excused Absence Policy](#) | [Grading Policies](#) | [Graduate Certificate Policies](#) | [Graduation](#) | [Grievance Policy](#) | [Intellectual Property](#) | [Religious Holy Days](#) | [Student Records](#)

Degree Requirements

[Ad Hoc Interdisciplinary Degree Option](#) | [Application for Candidacy](#) | [Continuous Enrollment](#) | [Course Load Policy](#) | [Dual-Degrees, Double Majors, and Minors](#) | [Foreign Language Requirement](#) | [Residency Requirement](#) | [Termination of Enrollment](#) | [Thesis/Dissertation](#) | [Time Limitations](#) | [Transfer Credit](#)

Graduate Student Assistantships

[Qualifications for Appointment](#) | [Types of Graduate Student Assistantships](#) | [Appointment Procedures](#) | [Student Contact](#) | [Mandatory Employment Discrimination Training](#) | [Duration of Appointment](#) | [Stipends](#) | [Conditions of Service](#) | [Insurance Coverage for Graduate Student Assistants](#) | [Reappointment of Graduate Student Assistantships](#)



General Admission Policy

General Admission Policy

The University of Houston complies with all federal and state statutes pertaining to the admission of graduate and professional students, including Texas H.B. 1641, regarding admissions policies for graduate and professional programs.

Competitive Fellowships Factors

Factors that may be considered in graduate admissions and the awarding of competitive fellowships may be viewed at the following link: [Competitive Fellowship Factors](#).

Admission to Graduate and Professional Studies and Eligibility for Competitive Fellowships

Decisions regarding admission to graduate and professional studies at the University of Houston are made by the specific program, department and/or college to which the applicant has applied. Oversight of all graduate and professional admissions policies and procedures is provided by The Graduate School. Similarly, the criteria utilized for the award of competitive fellowships from the University of Houston are determined by the granting unit (e.g., department, college) but the process must also meet the University Policy stated above.

All applicants to graduate or professional programs at the University of Houston are required to submit the following:

1. Completed and signed UH application for admission including non-refundable application fee.
2. Official transcripts from each college or university attended previously, including the degree(s) earned and date(s) awarded.
3. Officially reported standardized test scores (e.g., GRE, GMAT, LSAT) as required by the desired program. Applicants should consult with the program or college to determine the specific test requirements.
4. Letters of recommendation.
5. Personal resume or curriculum vita as required by the desired program.
6. Personal statement as required by the desired program.
7. International applicants must submit all of the above, plus submit proof of compliance with the English Language Proficiency Requirement (see below).

If admitted, international applicants must also provide additional documentation required to apply for a student visa. Such documentation may include, but is not limited to:

1. Letter of financial backing.
2. Financial backing documents, such as bank statements
3. International address
4. A scan of biometrics page of applicant's passport

Note: Transfer students must meet regular admission requirements.

Admission Reviews and Decisions

Each program is responsible for determining application deadlines and internal review processes. All program and college admissions policies and procedures include consideration of the total application - i.e., no single criterion will determine admission to any graduate or professional program at the University of Houston, nor will any single criterion be the determining factor in a decision to deny admission.

Note: Most academic programs, departments and/or colleges have additional admissions requirements. Applicants need to consult with the specific programs, departments and/or colleges to obtain this information.

For further information regarding specific college and department admission requirements, procedures, regulations and deadlines please contact the relevant academic program of interest.



Minimum Qualifications for Admission to Masters and Doctoral Programs

The University of Houston requires the following minimal qualifications for admission to its master's and doctoral programs. Additional requirements for admission to specific programs may be imposed by the colleges and departments. Applicants should write directly to the department for specific information, as well as consult the appropriate college section of the graduate catalog. For more information on application and admission policies, contact the Graduate School.

Note: The University of Houston does not accept experiential learning for graduate or professional transfer credit. In addition, the University of Houston does not accept non-credit work for transfer credit.

Applicants to a graduate program who hold a terminal doctoral degree, including MD, JD, or PhD, from this or any other regionally-accredited domestic institution are not required to submit GRE/GMAT results as a part of an application packet to the University of Houston, though individual programs may still choose to require them.

Applicants holding a terminal doctoral degree earned outside the United States are subject to review by the Graduate School before a waiver of the GRE/GMAT will be granted. The Graduate School must certify whether a doctoral degree earned outside the United States meets them same academic standards as a domestic MD, JD, or PhD.

Master's Programs

Applicants must have earned a bachelor's degree from an institution accredited by one of the six regional accrediting associations. Foreign institutions not accredited by U.S. accrediting agencies must be recognized by the Ministry of Education or another appropriate agency of the country in which the institution is located. The university reserves the right to evaluate foreign credentials. In general, these evaluations will follow nationally accepted standard practices and will rely on standard references such as the World Education Series published by the American Association of Collegiate Registrars and Admissions Offices. Students who transfer from another graduate school must have at least a 3.00 (A=4.00) grade point average on all graduate work attempted.

Doctoral Programs

Applicants must have earned a bachelor's degree or a master's degree as specified by individual programs. Students may obtain specific requirements for admission to doctoral programs by writing directly to the department they wish to enter.

English Proficiency Requirement

All graduate applicants, regardless of citizenship status, must demonstrate proficiency in English to obtain admission to the university. To fulfill this requirement, applicants must satisfy one of the following criteria:

- Baccalaureate degree (or higher) earned from a regionally accredited U.S. institution or at an institution at which English is the medium of instruction in the following countries: Antigua and Barbuda, Australia, the Bahamas, Barbados, Dominica, Canada (English-speaking provinces), Grenada, Ireland, Jamaica, Liberia, New Zealand, Saint Lucia, Saint Vincent and the Grenadines, South Africa, Trinidad and Tobago, Turks and Caicos, the United Kingdom, and the Virgin Islands.
- Officially-reported test scores from one of the following:
 - Test of English as a Foreign Language (TOEFL).
 - Internet based Test (iBT): An overall score of 79 or higher.
 - Paper based Test (pBT): An overall score of 550 or higher.
 - International English Language Testing Systems (IELTS)
 - An overall score of 6.5 or higher
 - Duolingo English Test



- An overall score of 105 or higher.
 - Pearson Test of English (PTE)
 - An overall score of 53 or higher.
- Successful completion of level six in the University of Houston Language and Culture Center.

Departments may require a higher minimum test score where previous experience and demands of the discipline warrant it. Admission materials contain details on this requirement.

Graduate students whose English proficiency is judged inadequate by the department or college may be denied permission to continue work on graduate degrees.

Admission Categories

Unconditional Admission

Students unconditionally admitted to the university are granted full status in a graduate program.

Conditional Admission

Conditional admission status is sometimes granted to students who fail to meet all admissions requirements. These students will have specific requirements to meet within the first one or two terms in the graduate program. Assuming all requirements are met, the student is awarded an unconditional admissions status.

Special Admission

Students who do not meet all criteria to be admitted into the University of Houston may request to be admitted through a Special Admissions Review Process:

1. A faculty member wishing to sponsor a student for special admission must submit a written request to the graduate program's Admissions Committee to admit the student with a justification for admitting the student who does not meet all of the university's admissions criteria.
2. If the graduate program's Admissions Committee supports the request of the faculty sponsor to admit the student, the committee chair will forward a recommendation and all documentation to the Associate Dean for Graduate Studies of the college, who will make a recommendation to the College Dean. If the Dean approves the special admission request, the Dean will forward the recommendation and all documentation to the Dean of the Graduate School for final approval.
3. All documentation listed below must accompany the request to the Dean of the Graduate School:
 - The written faculty sponsor request,
 - The graduate program's Admissions committee recommendation with noted Associate Dean and Dean support,
 - The student's initial application to the Graduate Program,
 - All letters of recommendation submitted for the student, and
 - Any additional evidence of superior qualifications, such as publications in peer reviewed journals or presentations at conferences. Failure to submit all required documentation with the request to the Dean of the Graduate School will delay the approval process.

This process is not applicable for failure to meet the English Language Proficiency requirement. Minimum test scores in the English Language Proficiency requirement cannot be appealed. Examples of admissions criteria which could be appealed include, but are not limited to: standardized test scores or certification of an international degree as equivalent to a US Bachelor's degree.



Transfer Admission

Transfer students must meet regular admission requirements. See the catalog section on Transfer Credit for details regarding the transfer of graduate credit.

Non-Degree Seeking Graduate Admission

A college may grant, under special circumstances, non-degree seeking (NDO) graduate status to applicants who have earned bachelor's degrees and wish to take a limited number of graduate classes to further their education (note: applicants who have earned a bachelor's degree and wish to take undergraduate classes should apply as a postbaccalaureate undergraduate). Such applicants might be candidates for licensure, professional certification, or transient students, who are currently graduate students in good standing at another regionally-accredited institution wishing to pursue courses at the University of Houston for one term. The admissions procedures and basic criteria are the same as those for degree-seeking students. Applicants for NDO graduate status must submit a graduate application, and submit transcripts, and examination scores to the Graduate School. Students given NDO graduate status may apply to a graduate degree program at a later date by submitting a new application. Except in programs receiving pre-approval by the Graduate and Professional Studies Committee (GPSC) of the Faculty Senate, no more than nine credit hours earned under NDO graduate status may be applied toward a graduate degree if the credits are no more than five years old at the time of graduation and the courses are applicable to that degree. For more information concerning NDO graduate status, students should contact the specific college.

Postbaccalaureate Status

A student who has earned one or more undergraduate degrees at a regionally-accredited institution(s) and is seeking to pursue additional coursework or degrees at the undergraduate level is classified as a postbaccalaureate student. An applicant seeking this classification (rather than graduate status) must apply to the Office of Undergraduate Admissions.

International Students (Non-U.S. Citizens)

Any student who is on a non-immigrant visa is classified as an international student by the university. Non-immigrant international students must carry medical and hospitalization insurance. Visas issued for the purpose of study do not normally carry employment privileges. New students on non immigrant visas are required to enroll for an orientation program, which takes place at the beginning of the term. Holders of non immigrant visas (F-1 or J-1) must enroll in a full course load each term.



Competitive Fellowship Factors

Factors that may be considered in graduate admissions & the awarding of competitive fellowships

The faculty of the individual graduate programs has the primary responsibility for the selection of candidates for admission to these programs and the nomination of individuals for competitive fellowships. Typically the criteria utilized for these decisions focus on the prior educational attainment of the applicant, demonstrated interest in and preparation for the course of study, and evidence of the applicant's ability to successfully matriculate in the program. These decisions, by their very nature, require a comprehensive review of multiple factors by the faculty charged with selecting students for admission and/or the awarding of competitive fellowships

The actual procedures utilized by graduate program faculty to admit students and/or nominate them for competitive fellowships will differ according to the volume of applicants, the materials requested from applicants, and the specific criteria developed by the disciplinary faculty. The Texas Legislature has authorized graduate and professional programs to also consider various factors in the decision process and to prohibit the use of single measures as the sole factor in determining the outcomes of these decisions. This list is not exhaustive and programs are urged to utilize multiple relevant factors in making admission decisions.

The additional factors that may be considered during the admission/competitive award process are:

1. An applicant's academic record as a high school student;
2. The socioeconomic background of the applicant while the applicant attended elementary and secondary school and was an undergraduate student, including any change in that background;
3. Whether the applicant would be the first generation of the applicant's family to attend or graduate from an undergraduate program or from a graduate or professional program;
4. Whether the applicant has multilingual proficiency;
5. The applicant's responsibilities while attending elementary and secondary school and as an undergraduate student, including whether the applicant was employed, whether the applicant helped to raise children, and other similar factors;
6. To achieve geographic diversity, the applicant's region of residence at the time of application and, if the applicant graduated from a public high school in this state within the preceding 20 years, the region in which the applicant's school district is located;
7. The applicant's involvement in community activities;
8. For admission into a professional program, the current comparative availability of members of that profession in the applicant's region of residence while the applicant attended elementary and secondary school;
9. Whether the applicant was automatically admitted to a general academic teaching institution as an undergraduate student under Section 51.803 (the 10% rule); and
10. The applicant's personal interview.

In addition, the Texas Legislature has prohibited the use of scores from standardized admission tests as the sole criterion for consideration of an applicant for admission or awarding of a competitive fellowship, or as the primary criterion to end consideration of an applicant.

Applicants for admission to a graduate or professional program or applicants for competitive graduate fellowships are directed to the individual graduate/professional program of their choice to get complete information on the application process for that specific program.



Certification of International Degrees as Bachelor Equivalent

Final approval for certification of US baccalaureate degree equivalency lies with The Graduate School. The approval relates to both admission to, and student classification in, UH graduate programs. Information concerning certification recommendations for a particular country can be found in publications from the American Association of Collegiate Registrars and Admissions Officers (AACRAO).



Determining Residency for Tuition Purposes

According to the Texas Higher Education Coordinating Board Bulletin and Pursuant to Title 3, Texas Education Code Effective Fall 2006:

Your status as a resident, nonresident or international (foreign) student will be determined prior to your enrollment (registration). The determination is based on state statutes and rules and regulations promulgated by the Texas Higher Education Coordinating Board. You must be prepared to pay tuition and other required fees by specified due dates.

If you have knowledge of an error in your residency status for tuition purposes, it is your responsibility to notify the Residence Determination Officer immediately. You may do so by submitting a Residency Questionnaire.

[<http://www.uh.edu/academics/forms/#residencyquestionnaire>]

Any questions should be directed to the Residency Determination Officer at (713) 743-1010. You may also find the complete rules and regulations on the College for All Texans web site. [<http://www.collegeforalltexans.com>]

Additional information may be found in the UH Admissions information website: <http://www.uh.edu/admissions/admitted/residency-requirements/>.



Enrollment

Overview

The university's online enrollment services system, myUH, provides a convenient option to simplify the enrollment process. Specific dates, detailed instructions, and a listing of the courses offered each term are included in the UH Self Service Center, also available online after logging in to myUH.

In order to qualify for financial aid students must have an approved degree objective posted in their student information system (myUH) prior to the first day of the semester in which they are enrolling. Students must be advised by their academic advisor prior to enrollment (registration).

Cancellation

Prior to the first day of classes, students may cancel their enrollment (registration) by dropping courses through the myUH system. Students may also receive assistance through the Office of the University Registrar, 128 Welcome Center.

Students who cancel classes prior to the first day of classes are entitled to a full refund minus a small matriculation fee and are regarded as never having officially enrolled in that semester.

Class Membership

Students may not attend a class unless properly enrolled. Failure to follow proper enrollment (registration) procedures may jeopardize a student's good standing at the university and result in a loss of credit. Class rosters are comprised solely from the official enrollment records of the Office of the University Registrar. Students whose names do not appear on the official class roster in each of their classes should immediately verify enrollment (registration) in myUH.

Discontinued Classes

The university reserves the right, whenever necessary, to discontinue classes or to alter the schedule otherwise. Should a class be discontinued, students will be notified at the first class meeting, or before, so they may enroll for alternate courses. Students who are enrolled in a discontinued class will be automatically dropped from that course. If they wish to enroll in another section they must go through the official procedure to add the course, whether online or through the department offering the course.

Schedule of Classes

A listing of courses for the university may be accessed well in advance of the beginning of each term, including the summer sessions. Information is provided on the Web site at myUH.

Section or Course Changes

Students may make changes to their course schedule only during the dates indicated in the Academic and Enrollment calendars using myUH.



Generally, the last day to add courses is determined by the length of the session.

Session Name	Session length	Last day for students to add courses
Session 1 (Regular)	16 weeks	6 th class day (M-F)
Session 2	5 weeks	3 rd class day (M-F)
Session 3	8 weeks	3 rd class day (M-F)
Session 4	5 weeks	3 rd class day (M-F)
Session 5	8 weeks	3 rd class day (M-F)
Session 6	5 weeks	3 rd class day (M-F)
Mini Session	3-4 weeks	2 nd class day (any)

After the last day to drop without a grade students may drop or withdraw from a class(es) online by completing a Student-Initiated Drop Form, gaining their instructor's signature, and submitting the completed form to the Office of the University Registrar in the Welcome Center. See the policy on Dropping Courses for more information.

99-Hour Doctoral Cap

All doctoral students who accumulate more than ninety-nine doctoral semester credit hours at any Texas public institution of higher education will be charged the nonresident tuition rates irrespective of student residency status or any appointment, fellowship, or other circumstance that would normally entitle them to resident tuition rates.

For more details, visit the section on the 99-Hour Doctoral Cap.

Course Cap

The Texas Higher Education Coordinating Board Rules (under Chapter 13) authorizes institutions to charge out of state tuition for students who enroll in a course for the third or more time.

Students may be charged for semester credit hours or contact hours attempted in any course, other than a non-degree-credit developmental course, containing the same content for a third or more times at their institutions. Attempted hours are calculated for courses in which a student is enrolled on the Official Reporting Day (ORD) (typically twelfth class day or fourth class day in summer), not by the courses in which a student receives a grade (passing, failing, or **W**).

Semester credit hours or contact hours attempted by students for the following types of coursework are exempt from the provisions of this section:

- thesis and dissertation courses.
- courses that may be repeated for credit because they involve different or more advanced content each time they are taken, including but not limited to, individual music lessons, Workforce Education Course Manual Special Topics courses (when the topic changes), theater practicum, music performance, applied music lessons, music ensembles, certain physical education and kinesiology courses, and studio art.



- independent study courses.
- special topics and seminar courses.



Auditing Courses

Approval to audit, or visit, a course is sometimes granted to qualified students by the dean of the college in which the course is offered. Such approval conveys only the privilege of observing and does not include submitting papers, taking tests, or participating in laboratories or fieldwork.

Students auditing courses will pay regular tuition and fees. Students 65 years of age or older may audit any course offered by the university without payment of a fee if space is available. These students should contact the Student Business Services Office, in the Welcome Center, for a fee waiver application.

Students may obtain audit application forms from the office of the appropriate dean. Student Business Services will assess the fees. Students wishing to audit may enroll only after late registration. Credit is not given for an audited course, nor may a change to credit status be made after students have enrolled.



Dropping Courses

Note: The university publishes the dates for dropping and withdrawing in the Academic Calendar listed in each semester class schedule.

Graduate students who are on GPA Warning status because they failed to maintain a 3.00-grade point average may not drop a course without the recommendation of the graduate advisor and the approval of the department chair.

Enrollment in a course may be terminated in any one of the following ways:

1. Before the first class day and until the official report date for the term (12th class day in Fall or Spring terms; 4th class day in the summer term), students who wish to drop a course may do so by going online to *myUH* without signature of the instructor. International students and student-athletes must consult their appropriate office if trying to drop a course after the first day of classes.
2. After the official reporting date, and until the last day to drop courses, graduate students who wish to drop a course must submit a drop form with the instructor's signature to the Office of the University Registrar by the deadline. The student is then assigned the grade of "W". Business, Engineering, and Law majors also must obtain permission from the dean of the college. The University Registrar publishes all possible methods for submitting Student-Initiated Drop Forms, including but not limited to: in person at the Welcome Center, by fax, and/or via electronic means.
3. An instructor may drop students only through the last day for dropping courses for the following reasons: excessive absences; if the prerequisites or co-requisites for the course listed in the current catalog have not been met; or for causes which tend to disrupt the academic process (except those actions involving academic honesty which come under the jurisdiction of the Academic Honesty policy. Students may make a timely appeal through the office of the dean of the college in which the course is taught. Students are responsible for keeping copies of their drop forms and for verifying whether they have been dropped from a course with the Office of the University Registrar, located in the Welcome Center.
4. After the last day for dropping courses, graduate students may drop or be dropped by their instructor from a course with a "W", as determined by the instructor, only with the approval of the dean of the college in which the course is offered and only for rare, urgent, and substantiated nonacademic reasons. All such requests are reviewed and ultimately approved by the Graduate School. Students are expected to commit themselves as early as possible (at least by mid-semester) to courses for the remainder of the semester.

The effective date of the dropped course will be the date that the requests has been processed by the Office of the University Registrar.

Reinstatement

Students wishing to seek reinstatement should discuss the request with the instructor and departmental advisor. If both agree, the student and advisor should complete a general petition requesting the reinstatement. The petition must be signed by the instructor, department chair, college dean (or his/her designee), and The Graduate School.



Term Withdrawal

The phrase 'term withdrawal' applies to the dropping of all courses in all sessions of a term for which a student is registered at the University of Houston. A term withdrawal may be initiated by a student after consultation with the departmental graduate advisor.

Student Initiated Withdrawal

In addition to following the procedure for dropping a course, students must return all library books and laboratory equipment and have their UH record clear in every respect. Students who wish to withdraw must submit their request by following the process outlined on the Graduate School website: <http://www.uh.edu/graduate-school/forms>. All students must notify their academic unit of their intention to withdraw from all classes.

A student whose enrollment in a course is terminated on or before the last day to drop or withdraw without receiving a grade (as posted in the Academic Calendar) will not have the course(s) appear on the permanent record, and grade(s) will not be assigned. When terminations are made after this date, grades of 'W' (withdrawal, either passing or with no evaluative data available at the time of drop) or 'F' (withdrawal, failing) will be assigned by the instructor at the close of the semester, and the courses and grades will appear on the permanent records. A graduate student must file a student-initiated term withdrawal request, in addition to instructor-signed course drop forms for all enrolled classes, if completing a term withdrawal after the last day to drop or withdraw without receiving a grade.

Deadline

- Generally
 - Students are responsible for initiating action to drop or withdraw from classes on or before the last day to drop a course or withdraw, as posted in the Academic Calendar .
 - Students who fail to do so will be retained on the class rolls even though they may be absent for the remainder of the semester. In such instances, grades of 'F' (or 'U' in S/U graded courses) will be given unless mitigating circumstances warrant grades of 'I' (incomplete).
- Exceptions
 - Military withdrawal situations use a different process and deadline. Please consult with UH Veteran Services for more information.
 - Medical and personal emergency situations use a different process and deadline. Please consult with the Graduate School for more information.

Procedure

- Domestic Students
 - Prior to ORD - *two ways to submit a request*
 1. *myUH*
 - May submit a request through *myUH* prior to the official reporting day (ORD) for the term
 - To initiate the term withdrawal process, the student must log on to their *myUH* account and select the **Academic Records** tile for the **Request Term Withdrawal** link.
 2. Fax or In-Person
 - Fax number: (713) 743-8342
 - Drop-off location is the Office of the University Registrar in the UH Welcome Center



- Required document(s):
 1. the pdf version of the Term Withdrawal Form
 - After ORD - *one way to submit a request*
 1. Fax or In-Person
 - Drop-off location: Office of the University Registrar in the UH Welcome Center
 - Fax number: (713) 743-8342
 - Required document(s):
 1. the pdf version of the Term Withdrawal Form
 2. a Student-Initiated Drop Form for every class that includes all required signatures.
- International Students holding F1 or J1 Visas - *one way to submit a request*
 - All International Students holding F1 or J1 Visas must meet with a representative of the Office of International Student and Scholar Services (OISSS).
 - *myUH* - Due to strict Visa requirements, all international students ARE NOT able to initiate the withdrawal process via *myUH*.
 1. Fax or In-Person
 - Fax number: (713) 743-8342
 - Drop-off location: Office of the University Registrar in the UH Welcome Center
 - Required document(s)
 1. the pdf version of the Term Withdrawal Form
 2. Reduce Course Load form (required for Fall or Spring term)
 3. Early Withdraw form (for OISSS)

Medical Withdrawal

A student may request withdrawals from all courses in which the student is enrolled in cases where the student experiences a medical situation that impedes academic progress.

Policy

The Graduate School may approve medical withdrawal requests from graduate and professional students who have supporting documentation from a licensed physician justifying withdrawal from all courses for which they are registered at the University of Houston. Such requests must be initiated within 140 days of the official closing date (last day of final exams) of the term. Medical withdrawals are effective for all enrolled classes in a given term. The only exception to this policy is granted if a student has already completed, and received official grades, in classes which met during sessions which have already finished by the time of the withdrawal (pre-term mini session, sessions 2 or 3 in summer, or session 2, 3, or 4 in fall/spring).

Students who receive medical withdrawals after the last day to withdraw without receiving a grade shall receive a 'W' grade, in each course for which they were registered.

Graduate and professional students who receive medical withdrawals must obtain permission from the university to enroll again at the University of Houston. Students wishing to return to study following a medical withdrawal must file a petition requesting reinstatement, including a written return-to-school statement from their physician. Under extenuating circumstances, this policy may be applied retroactively.

Procedures



- Graduate and professional students (or their appointed representatives bearing power-of-attorney, if they are unable to act for themselves) who seek to withdraw for medical reasons from all courses for which they are registered at the University shall request a medical withdrawal using the Graduate School Medical/Administrative Withdrawal Form (PDF). The forms must be accompanied by all appropriate documentation, which must include a statement from a licensed physician or licensed psychologist. Details of the required statement are included on the form.
- The medical withdrawal request should be filed at the department/college level. Note: International students should notify the Office of International Student Services of their intent to withdraw.
- If the medical withdrawal is requested with an effective date after the last day for a student to withdraw from classes without receiving a grade, the dean shall, in making inquiries and seeking recommendations from each instructor of record, notify each that if approved, the withdrawal will result in a grade of 'W'.
- The dean of the college will determine a recommendation on the withdrawal and forward it to The Graduate School.
- The Graduate School shall
 - review each request and its accompanying documentation,
 - decide whether to make inquiries and seek recommendations from appropriate sources of information,
 - decide whether to approve or deny the request and determine the effective date of the withdrawal, and
 - notify the Office of the University Registrar process the withdrawal, and the college of the student's major.
 - If the request is approved, a medical withdrawal enrollment hold will be placed on the student record.
- The dean of the college of the student's major shall communicate the final decision to the student.

Reinstatement

Graduate and professional students who receive medical withdrawals and later seek to return to the university shall submit a Graduate/Professional Student Petition (PDF) requesting reinstatement, including a return-to-school statement from their licensed physician to the college of their major justifying their readiness to resume their studies.

The college shall review each request to resume study at the university, decide whether to make inquiries and seek recommendations as appropriate, and forward to The Graduate School for university review.

Once approved, The Graduate School will remove the medical withdrawal enrollment "stop" from the student's record. (This action does not remove any other "stops" that may have been placed on the student's record by other university officials)

The University may grant a leave of absence to a student who requests and receives a medical withdrawal. This leave grants the student readmission into the program at a specified time and under specified circumstances.

Financial Withdrawal

Students who make payment on their account with checks which are returned to the university for insufficient funds or who fail to pay by designated deadlines may be withdrawn from the university without refund. Students who are financially withdrawn after the last day to drop or withdraw without a grade will receive 'W' or 'F' grades for the semester.

Students with two or more returned checks must make payment on their account by cash, cashier's check, money order, or credit card. No checks - personal or otherwise - will be accepted.



99-Hour Doctoral Cap

The State of Texas subsidizes a large portion of the costs of doctoral education at its public universities, and the State Legislature has decided to limit the length of time the state will continue this subsidy for individual students. The Legislature has voted to stop providing state money for educating graduate students who have 100 or more semester credit hours of doctoral work. This law has come to be called the "99-hour doctoral cap."

All doctoral students who accumulate more than ninety-nine doctoral semester credit hours at any Texas public institution of higher education will be charged the nonresident tuition rates irrespective of student residency status or any appointment, fellowship, or other circumstance that would normally entitle them to resident tuition rates.

Exemptions The Texas Higher Education Coordinating Board has approved the following programs for exemption to the 99-hour limit:

- Clinical Psychology
- Counseling Psychology
- Vision Science/Physiological Optics

Note: Students in these programs are governed by an absolute limit of 130 doctoral semester credit hours. Any hours beyond this limit will be charged at the non-resident tuition rate. It is important that doctoral students continue to work closely with their advisors to monitor progress through the degree program so that studies are concluded within the "99-hour doctoral cap" to avoid having to pay significantly higher tuition. Furthermore, students on graduate student appointments who go beyond the 99-hour doctoral cap will be charged at the non-resident tuition rate.



Academic Honesty

Article 1. General Provisions

- 1.01 Rationale.** The University of Houston can best function and accomplish its objectives in an atmosphere of high ethical standards. It expects and encourages all students, faculty and staff to contribute to such an atmosphere in every way possible and especially by observing all accepted principles of academic honesty. It is recognized, however, that a large university will include a few students who do not understand, appreciate, and practice these principles. As a consequence, alleged cases of academic dishonesty will inevitably occur, and students will be accused. The following procedures are designed to handle these cases in fairness to all concerned: the accused student, the faculty, and the University of Houston.
- 1.02 General Jurisdiction.** Matters relating to academic honesty are within the general jurisdiction of the senior vice president for academic affairs and provost. Allegations of scientific misconduct against students engaged in research supported by funding from the University of Houston or other sources will be handled according to the University of Houston Ethical Conduct in Academic Research and Scholarship Policy (To obtain a paper copy, contact the Division of Research at 713-743-9222 or at www.research.uh.edu).
- 1.03 College with Jurisdiction.** Specific jurisdiction in academic honesty matters rests in each college of the University of Houston. The college with jurisdiction is determined by the course in which dishonesty occurs. If the student involved majors in a college other than that offering the course, the college offering the course has jurisdiction. If the college with jurisdiction cannot be determined from the relationship between the alleged actions of a student or group of students and a particular course, then the provost will designate which has jurisdiction.
- 1.04 Colleges to which the Policy Applies.** The policy on academic honesty applies to all colleges within the university. However, any college may present to the provost a code separate from this university policy. After approval by the provost, and after such publication as the provost shall direct, academic honesty matters over which that college has jurisdiction shall be governed by that code. Honor systems within the professional colleges are especially encouraged.
- 1.05 Questions Regarding Applicability of Policies.** All questions regarding the applicability of college codes or University of Houston policy or special provisions of either shall be determined finally by the provost.
- 1.06 Compass of Actions Taken Against Students.** Actions taken against students are university-wide in their effect, unless otherwise specified.
- 1.07 Faculty or Instructor of Record Responsibility.** Faculty or instructor of record shall have the responsibility of reporting incidents of alleged academic dishonesty through their departmental hearing officer to their college hearing officer.
- 1.08 Proctor or Teaching Assistant Responsibility.** Proctors or Teaching Assistants shall have the responsibility of reporting incidents of alleged academic dishonesty to the instructor of record involved, or to the appropriate authority if the alleged act is not associated with a specific class.
- 1.09 Student Responsibility.** Students shall have the responsibility of reporting incidents of alleged academic dishonesty to the instructor of record involved, or to the appropriate authority if the alleged act is not associated with a specific class.
- 1.10 Purpose of Procedures.** The purpose of these procedures is to provide for the orderly administration of the Academic Honesty Policy consistent with the principles of due process of law. Reasonable deviations from these procedures will not invalidate a decision or proceeding unless the provost determines, upon written appeal from the accusing and/or accused parties, that the deviation will result in prejudice to one or more of the parties involved.



1.11 Amendment of Policy. The academic honesty policy shall be reviewed every two years by a joint sub-committee comprised of representatives of both the Undergraduate Committee and the Graduate and Professional Studies Committee. Any amendments to the academic honesty policy must be approved by both Committees.

1.12 Definitions.

1.12.01 *Class Day.* Class days, for purposes of this policy, are defined as days the University of Houston is open and classes are meeting (excluding Saturdays) as posted in the university academic calendar, excluding professional colleges and programs.

1.12.02 *Internal Use.* Internal use defines who has access to a student's records. Records for internal use will be released only to University of Houston officials who have an educational purpose to know the information included in the student's records.

1.12.03 *Academic Record.* Academic record includes documents, forms, copies, reports, statements, recordings, etc. that are acquired while a student attends the University of Houston. The information is available to outside sources according to the procedures established by the Family Education Rights and Privacy Act.

1.12.04 *Sanction.* Sanction means the penalty assessed for a violation of the Academic Honesty Policy.

1.12.05 *Instructor.* Instructor refers to a faculty member, lecturer, teaching assistant, or teaching fellow in charge of the section in which an alleged violation of this Academic Honesty Policy has occurred. Such individuals will typically be the instructor of record of the course section in question. In instances where this is not the case, instances of alleged cheating should be reported to the instructor of record.

1.12.06 *Departmental Hearing Officer.*

Departmental hearing officer refers to the person responsible for facilitating the departmental procedures related to the alleged violation(s) of the academic honesty policy. Typically the department chair serves in the role or an individual designated by the department chair.

If the college responsible for the course in question does not have individual departments for the course, departmental hearing officer as used below shall refer to the individual designated by the dean of the college to act as the initial hearing officer in academic honesty cases (see Article 5.02).

1.12.07 *College Hearing Officer.* The college hearing officer is designated by the dean of the college in which the alleged violation of the academic honesty policy occurs and is responsible for facilitating the college procedures related to the alleged violation of the academic honesty policy.

1.12.08 *Student.* Student refers to any individual who has ever registered and paid (made a complete payment or has made at least one installment payment) for a course, or courses at the University of Houston. This definition would normally include undergraduate students, graduate students, postbaccalaureates, professional school students and individuals auditing courses.

1.12.09 *Waiver of Departmental Hearing.* Students with no academic honesty violations on record may have the option to waive a departmental hearing under agreement with the instructor and departmental hearing officer. Waiver of departmental hearing is not an option for cases involving sanctions of disciplinary probation or that require a college hearing [see Article 5.01a].

1.12.10 *Waiver of Automatic College Hearing.* Departmental sanctions of suspension or expulsion require an automatic college hearing. Students wishing to waive the college hearing and thereby accept such sanctions must review and sign a waiver form issued by the Dean of Students Office (see Article 5.04).



- 1.13 Notification.** All required written notices shall be addressed to the student via their UH email. It is the responsibility of the student to keep his/her destination email address up to date on his/her student record (my.uh.edu). A notice properly addressed and so sent shall be presumed to have been received by the student.
- 1.14 Retaliation.** The University of Houston prohibits retaliatory action against persons who report incidents of alleged academic dishonesty under this policy, are suspected of having reported incidents of alleged academic dishonesty under this policy, who are identified to serve or have served as witnesses in any academic honesty proceeding, or who are identified to serve or have served on an Academic Honesty Panel. Any acts of retaliation will be referred to the appropriate office for review and response.

Article 2. Preventive Practices

- 2.01 Preventive Measures.** Instructors can help students comply with the academic honesty policy by minimizing temptation to act dishonestly. Measures instructors should consider are:
- a. Maintaining adequate security precautions in the preparation and handling of tests;
 - b. Structuring the type and sequence of examination questions so as to discourage dishonesty;
 - c. Providing ample room for proper spacing of students during examinations, when possible;
 - d. Monitoring examinations, especially in large classes and in classes where not all students are known to the instructor or the assistant;
 - e. Making clear to their students the rules concerning the use of electronic devices;
 - f. Making clear to their students, in writing, what constitutes academic dishonesty, particularly in those classes where group activities (laboratory exercises, generation of field reports, etc.) are part of the instructional process;
 - g. Requiring students to submit their own work and defining for their students particular aspects of dishonesty, such as plagiarism and self-plagiarism;
 - h. Requiring students to show a picture ID and sign major assignments and exams; and
 - i. Helping raise consciousness of the issue of academic honesty by asking students to sign an honor pledge in the first week of class and to write a short honor pledge in their own hand on their major assignments.

Article 3. Categories of Academic Dishonesty

- 3.01 Application of the Academic Honesty Policy.** This policy applies to those acts of dishonesty committed by a student while enrolled at the University of Houston.
- 3.02 Academic Dishonesty Prohibited.** "Academic dishonesty" means employing a method or technique or engaging in conduct in an academic endeavor that contravenes the standards of ethical integrity expected at the University of Houston or by a course instructor to fulfill any and all academic requirements. Academic dishonesty includes, but is not limited to, the following:

Plagiarism

- a. Representing as one's own work the work of another without acknowledging the source (plagiarism). This would include submitting substantially identical laboratory reports or other materials in fulfillment of an assignment by two or more individuals, whether or not these used common data or other information, unless this has been specifically permitted by



the instructor. Plagiarism includes copying verbatim text from the literature, whether printed or electronic, in written assignments, candidacy exams, and theses/dissertations;

Cheating and Unauthorized Group Work

- b. Openly cheating in an examination, as copying from another's paper;
- c. Being able to view during an examination, quiz or any in-class assignment an electronic device that allows communication with another person, access to unauthorized material, access to the internet, or the ability to capture an image, unless expressly permitted by the instructor;
- d. Using and/or possessing "crib notes," as unauthorized use of notes or the like to aid in answering questions during an examination;
- e. Giving or receiving unauthorized aid during an examination, such as trading examinations, whispering answers, and passing notes, and using electronic devices to transmit or receive information;
- f. Securing another to take a test in the student's place. Both the student taking the test for another and the student registered in the course are at fault;

Fabrication, Falsification, and Misrepresentation

- g. Changing answers or grades on a test that has been returned to a student in an attempt to claim instructor error;
- h. Using another's laboratory results as one's own, whether with or without the permission of the owner;
- i. Falsifying results in laboratory experiments;
- j. Misrepresenting academic records or achievements as they pertain to course prerequisites or corequisites for the purpose of enrolling or remaining in a course for which one is not eligible;
- k. Representing oneself as a person who has earned a degree without having earned that particular degree

Stealing and Abuse of Academic Materials

- l. Stealing, as theft of tests or grade books, from faculty offices or elsewhere, or knowingly using stolen tests or materials in satisfaction of exams, papers, or other assignments; this includes the removal of items posted for use by the students;
- m. Mutilating or stealing library materials; misshelving materials with the intent to reduce accessibility to other students;

Complicity in Academic Dishonesty

- n. Failing to report to the instructor or departmental hearing officer an incident which the student believes to be a violation of the academic honesty policy;

Academic Misconduct

- o. Any other conduct which a reasonable person in the same or similar circumstances would recognize as dishonest or improper in an academic setting.

Article 4. Sanctions



4.01 Sanctions. The sanctions for confirmed violations of this policy shall be commensurate with the nature of the offense and with the record of the student regarding any previous infractions.

Sanctions may include, but are not limited to: a lowered grade, failure on the examination or assignment in question, failure in the course, probation, suspension, or expulsion from the University of Houston, or a combination of these.

If a sanction of probation or suspension is assigned, it must have a specified starting and ending date, unless the sanction is expulsion, in which case, an end date is not specified. Students are not permitted enrollment under sanctions of suspension and expulsion.

A student who is found to have violated the Academic Honesty Policy at the departmental or college level before the end of an academic term may remain enrolled in the course at issue while any appeal provided for under this policy is pending. Sanctions do not become final and may not be applied while any appeal provided for under this policy is pending. Once a sanction becomes final, if the case occurs in a college outside of the student's college, the department hearing officer/college hearing officer will notify the dean of the student's college.

A doctoral student receiving a sanction of suspension must file a leave of absence for the duration of the suspension, in accordance with the continuous enrollment policy as specified in the Graduate Catalog.

Students may not receive a W for courses in which they have been found guilty of a violation of the Academic Honesty Policy. If a W is received prior to a guilty finding, the student will become liable for the Academic Honesty penalty, including F grades.

4.02 Probation, Suspension, and Expulsion. The terms probation, suspension and expulsion as used herein refer to these sanctions only as they are imposed as a result of violations of this Academic Honesty Policy. All policies and procedures for the imposition and appeal of these sanctions are contained within this policy.

Article 5. Departmental Hearing

5.01 Departmental Hearing. When an instructor has reasonable grounds to believe that a student has committed an act of academic dishonesty, the instructor shall notify the departmental hearing officer of the concerned department, in writing, within five class days of discovery.

Students who believe they have observed an act of academic dishonesty shall report the incident to the instructor, as soon as possible, who shall then report the incident in writing to the departmental hearing officer within five class days.

The Departmental Hearing Officer will check to see if the accused student has any prior violations of academic honesty listed with the Provost Office. A student is eligible for a waiver of departmental hearing only if he/she has no prior waiver of departmental hearing and no previous findings of violation of the Academic Honesty Policy.

a. Waiver of Departmental Hearing.

Upon notifying the departmental hearing officer of the alleged violation, the faculty member shall have the option of suggesting to the departmental hearing officer a sanction for the alleged violation of the Academic Honesty Policy that would, if acceptable to the student, instructor, and departmental hearing officer, preclude a departmental hearing. Such sanctions would normally include reduced or zero credit for a test assignment, a grade of "F" in a course, or other such agreed upon sanctions. Sanctions involving disciplinary probation or sanctions requiring a college level hearing cannot be used.

In cases for which the instructor suggests a sanction so as to preclude the departmental hearing, within five class days of receiving the instructor's report the accused shall be notified, in writing, by the departmental hearing officer informing the accused student of the nature of violation, the recommended sanction, and ask the student to select between the choice



of: (1) admitting the alleged academic honesty violation, waiving the formal departmental hearing, and accepting the associated sanction; or (2) proceeding to a formal departmental hearing.

The waiver of a departmental hearing must be agreed to by the instructor, the student, and the departmental hearing officer. In the event that all three cannot agree to a waiver, the case must be moved to a formal departmental hearing.

The waiver of a departmental hearing is agreed to by completing a Departmental Hearing Waiver form that must be signed by the student, instructor and departmental hearing officer. Upon agreement of the waiver of departmental hearing, a copy of the completed waiver form will be shared with the college dean's office and the Provost Office to be included on a list of recorded cases of academic honesty violations. Following graduation, the student can request that his/her name be removed from these lists. An agreement to settle an academic honesty infraction via a waiver of the formal departmental hearing will not result in any record being kept that is reflected on the student's transcript.

If the departmental hearing officer has not received a response from the student within 10 class days of the notification of these options, the departmental hearing officer shall, within the next five class days, schedule a departmental hearing.

b. Departmental Hearing Procedures.

In case a waiver of a departmental hearing is not an option, the departmental hearing officer shall, within 10 class days of receiving the instructor's report, schedule a departmental hearing. To schedule a departmental hearing, the departmental hearing officer shall notify the instructor, the accused student and the accusing party, if other than the instructor, of the nature of the alleged violation and the time and date of the hearing as provided in Article 1.13. Should any of the parties fail to appear, without good cause, at the departmental hearing, the departmental hearing officer may render a decision in their absence.

Both the instructor and the student shall have an opportunity to present their cases during the above hearing. This may include the introduction of documents and/or physical evidence as well as statements from individuals who have knowledge of the circumstances. If either party intends to have individuals appear at the hearing for such statements, the departmental hearing officer must be notified at least three class days before the hearing. Both parties have an opportunity to examine the documents pertaining to the alleged violations during the hearing.

If either party intends to have legal counsel attend the hearing, the departmental hearing officer must be notified at least three class days before the hearing. The hearing cannot be held with such counsel in attendance unless a representative from University of Houston legal counsel is also present. If either party will be advised by legal counsel, this individual may attend the hearing but shall not directly participate in the hearing or enter into discussion with the parties present.

If physical evidence or witness testimony is presented in a departmental hearing, and if either party needs reasonable time to review the evidence and/or consider the witness testimony, either party may request a postponement of the departmental hearing. Decisions on postponement of the hearing will be made at the discretion of the departmental hearing officer.

The departmental hearing officer shall render a decision within three class days after the hearing and forward copies of the decision to the student, instructor, and college hearing officer of the college responsible for the course in which the alleged violation occurred. Both the accused student and the instructor have equal option of appeal if the decision of the departmental hearing officer is not acceptable.

If a written appeal is not received by the college hearing officer of the college within ten class days of the decision at the departmental level, the action recommended by the departmental hearing officer shall be implemented and the Provost Office shall be notified of the outcome of the case [see Article 8.02]. A departmentally recommended sanction involving suspension or expulsion shall be reviewed in a college hearing unless such hearing is waived as provided in Article 5.04 below.



- 5.02 Colleges Without Departments.** For colleges that do not have individual departments, the decision of the initial hearing officer designated by the dean of the college shall constitute the equivalent of a departmental decision. Only if this decision is reviewed and upheld by the college by virtue of appeal or automatic review would a college decision be rendered. The hearing officer for the college appeal or review shall not be the initial hearing officer.
- 5.03 Group Violations of the Academic Honesty Policy.** At the discretion of the departmental hearing officer, in instances where two or more students are alleged to be involved in the same infraction of the academic honesty policy, the case against the whole group will be dealt with at a single hearing. The facts common to all cases will be presented with all students allegedly involved in attendance. Each student shall be allowed to present his/her statement to the departmental hearing officer separately. If requested by the presenting student, such statements shall be presented outside the hearing of the other students.
- 5.04 Waiver of Automatic College Hearing.** If a student wishes to accept a departmentally recommended sanction of suspension or expulsion, he or she may submit a written waiver form to the college hearing officer no later than 10 class days after being notified of the departmental decision. The waiver form is issued from the Office of the Dean of Students only after the student has met with the dean of students (or his/her designated representative), who will ensure that the student is aware of his/her rights in the appeal process. The college hearing officer shall then implement the departmental decision and notify the appropriate parties of the disposition of the case within five class days of receipt of the waiver request. The sanction is considered a college level decision.
- 5.05 Conflict of Interest.** When departmental or college hearing officers are themselves party to a case, they shall in no way participate in the administration of the policy in that case. Such responsibilities shall pass to faculty and administrators not directly involved in the case.

Article 6. College Hearing

- 6.01 College Hearing.** If either the student or the instructor wishes to appeal the decision of the departmental hearing officer, he or she must file a written request for a hearing with the college hearing officer within 10 class days of the departmental hearing officer's decision. Within 10 class days of receipt of such a request, the college hearing officer will set a time, date and place for the hearing. The college hearing is a de novo hearing in which the Panel must consider all the evidence on all the issues presented in the appeal as though no previous action has been taken.
- 6.02 College Hearing Officer.** The college hearing officer shall be appointed by the dean. Typically the college hearing officer will be appointed for a full academic year. Correspondence with the college hearing officer should be addressed to the office of the dean of the college.
- 6.03 Duties of the College Hearing Officer.** It shall be the duty of the college hearing officer to:
- a. Select a college academic honesty panel;
 - b. Set and give notice of the time and place of the college hearing;
 - c. Conduct the hearing in an orderly manner so that both sides are given an opportunity to state their case;
 - d. Rule on procedural matters;
 - e. Leave the hearing room during the panel's deliberations but remain available to answer questions on procedural matters; and
 - f. Prepare and submit one copy of the decision to the dean, one copy to the provost, and one copy to the dean of the Graduate School for matters involving graduate students. The college hearing officer shall not take part in the vote or otherwise participate in the deliberations of the panel.



- 6.04 Academic Honesty Panel.** The college academic honesty panel shall consist of two faculty members and three students. The panel will be selected by the college hearing officer from faculty and currently enrolled students from the accused student's academic peer group in the college. Faculty and students serving on the panel should be from the college in which the alleged violation occurred, and preferably from departments outside of either parties' academic department or program, where possible. The chair of the panel shall be a student appointed by the college hearing officer.
- 6.05 The Dean of Students.** The dean of students, or his or her designee, shall be required to attend all college hearings to serve as a University of Houston resource person. This individual shall not have a vote at a college hearing or be present during the deliberations of the panel.
- 6.06 College Hearing Procedure.**
- a. The date of the hearing must be adhered to. Any delay must be approved by the college hearing officer. Only documented, extenuating circumstances will be considered.
 - b. Three class days prior to the hearing, all parties notify the college hearing officer in writing of the names of their witnesses, if any, and the subject of their testimonies. At that time, the parties will also submit a copy of the documents they intend to present during the hearing. Upon request, the college hearing officer will make available to the parties the information and documents referenced in this section.
 - c. The hearing shall have an audio recording. The parties involved may obtain a copy of the recording from the college hearing officer at the expense of the requesting party.
 - d. The hearing shall be held in two phases. The first phase is the determination of violation, followed, if necessary, by the sanction phase.
 - e. All parties shall be afforded the opportunity to present statements, pertinent documentation and witnesses and have an opportunity to examine the documents pertaining to the alleged violations during the hearing.
 - f. All parties shall have the right to advice of counsel of choice. If either party intends to have legal counsel attend the hearing, the college hearing officer must be notified at least three class days before the hearing. The hearing cannot be held with such counsel in attendance unless a representative from University of Houston legal counsel is also present. If either party will be advised by legal counsel, this individual may attend the hearing but shall not directly participate in the hearing or enter into discussion with the parties present.
 - g. The cases presented to the panel must be made by the accusing individual and the accused student. The instructor or other individuals who reported the alleged misconduct shall present the relevant information, including statements by witnesses. The accused student shall then present his/her statement and relevant information, including statements by witnesses. Neither party shall ask questions of or solicit answers directly from the other party or its witnesses. Where it appears that there are matters of disputed fact, the college hearing officer shall request the panel to ask appropriate questions of either or both parties and/or their respective witnesses so as to clarify the points in dispute.
 - h. The panel shall have the right to question any and all witnesses and to examine documentation presented.
 - i. At the conclusion of each phase of the hearing, the panel shall meet in a closed session to render a decision. A student is found in violation of the academic honesty policy by a vote of four or more members of the panel, and the sanction has to be agreed to by three or more members of the panel. Upon reaching a decision in either phase, the panel shall reconvene with all parties present and inform all parties of its judgment.
 - j. The college hearing officer shall notify in writing all parties, including the dean of the college and the provost, of the disposition of the case within five class days of receipt of the panel's judgment.



6.07 Group Violations of the Academic Honesty Policy. In instances where two or more students are alleged to be involved in the same infraction of the academic honesty policy, at the discretion of the college hearing officer, the case against the whole group will be heard by a single academic honesty panel. The facts common to all cases will be presented with all students allegedly involved in attendance. Each student shall be allowed to present his/her case and/or statements to the panel separately. If requested by the presenting student, such statements shall be presented outside the hearing of the other students.

Article 7. Senior Vice President for Academic Affairs and Provost Appeal

7.01 Appeal of the Panel's Decision. Within five class days of the panel's decision, either party may file an appeal for review with the provost or that officer designated by the provost. The appeal shall be in writing and shall specifically address the issues to be reviewed.

7.02 Senior Vice President for Academic Affairs and Provost Procedural Review. The provost shall review the appeal within 15 class days of the receipt of the appeal. If either party has requested an appearance or is requested to appear by the provost, then both parties must be informed. Because the case was heard by a peer group, the intent of the provost's review is not to modify the sanction nor to substitute the judgment of the provost for that of the peer panel which heard the case, or hear new or additional facts on the case. The intent of this review is to ensure that the college hearing and judgment were not arbitrary, capricious or discriminatory, did not violate the due process of the accused, and did not violate the concepts of fair play to both parties. The provost shall notify all parties of the decision within three class days of the completion of the review.

7.03 Actions Which the Senior Vice President for Academic Affairs and Provost May Take.

The provost may conclude that one or more of the basic concepts involved in a fair hearing at the college level were violated and may subsequently pursue one of the following actions:

- a. For undergraduate students, return the case to the college for another hearing with a different panel in accordance with Article 6 and resubmission for provost procedural review; or
- b. For undergraduate students, if, in a rare case, the provost deems that another hearing in the same college would not result in a fair hearing, the provost may send the case to another college with the disciplinary expertise to hold a fair hearing, for a new hearing there in accordance with Article 6 and resubmission for provost procedural review; or
- c. For undergraduate students, if, in a rare case, the provost independently deems that the sanction assessed in the college hearing is not commensurate with the violation, then the provost may send the case back to the college as described above; and
- d. For graduate students, refer the case to the Vice Provost/Dean of the Graduate School for review. Review by the Dean of the Graduate School shall be for the purpose of determining: (i) Whether the appealing party was given a reasonable opportunity to be heard at the departmental and college levels and (ii) whether the college's decision was reasonably reached. Procedural violations which would not affect the substantive result or are not substantially prejudicial to either party are not grounds for appeal.

Upon receiving a referral from the provost for review the Vice Provost/Dean of the Graduate School will review the appeal and will, within 10 working days, return the case to the college for another hearing with a different panel in accordance with Article 6 and resubmission for provost procedural review, reject the appeal, or refer the case to a committee. If the dean decides to refer the case to a committee, the dean will notify the chairperson of the Graduate and Professional Studies Council (GPSC), who will appoint a Graduate and Professional Studies Grievance Committee (GPSGC) within 10 working days of receiving such notification.



The GPSGC will consist of one graduate/professional student and three faculty members, none of whom will be from any respondent's department or program or from the department or program in which the student is enrolled. The faculty members will be appointed by the chair of GPSC on an ad hoc basis. The chair of GPSC will also select the student member from a pool of graduate students provided by each of the colleges. The chair of the committee will be elected by the committee members. All members of the committee will have voting privileges. The GPSGC will review the appeal file and may also request other documents as it sees fit.

Within 30 calendar days of being formed, the GPSGC should schedule an appeal hearing with the interested parties. This deadline may be extended at the GPSGC's discretion upon written request of a party or upon stipulation of all parties. The hearing shall have an audio recording. The parties involved may obtain a copy of the recording at the request and expense of the requesting party. Counsel for each of the parties involved may be present with that person, but will not be allowed to speak at the hearing. Expert resources should be available to the committee in an advisory capacity as needed. The GPSGC will report its recommendations in writing to the Vice Provost/Dean of the Graduate School within 10 working days of the hearing, who will make a decision within 10 working days following their receipt. The Vice Provost/Dean of the Graduate School will forward a copy and this decision in writing to the parties, to the dean of the college in the event he/she is not a party, to the GPSGC and resubmission to the provost for final procedural review.

- e. The provost may approve the actions and conclusions of the college academic honesty panel and see that the judgment is enforced. The provost's procedural review is the final institutional step in matters of academic integrity.

Article 8. Records

- 8.01 Records of Academic Honesty Proceedings.** Records of proceedings under this Policy are considered a student's education records in accordance with the University of Houston's Student Records: Family Educational Rights and Privacy Act Policy. Records relating to departmental proceedings under this policy, including waivers, will be maintained by the department. Records relating to college proceedings under this policy, including waivers, will be maintained by the college.
- 8.02 Provost's Office.** The Office of the Provost shall maintain a record of those students found in violation of the policy at any level, including those students who have elected a waiver of the departmental hearing (See Article 5.01a).
- 8.03 Notations on a Student's Transcript.** A sanction of probation, suspension or expulsion under this policy will be expressly noted as such on the student's transcript, unless specified in the sanction that it should not be noted. When the specified period of time for a sanction of probation or suspension has elapsed, the student may petition the college placing the notation of academic honesty violation to request that the Office of the University Registrar remove the notation from the transcript. It is the student's responsibility to initiate any petition to remove the notation from the transcript. Notations of expulsion because of academic dishonesty are a permanent part of a student's transcript.

For additional guidance regarding this policy, please refer to the UH Provost's website:

<http://www.uh.edu/provost/shared-interest/policy-guidelines/honesty-policy/>



Academic Modifications for Students with Disabilities

Students with disabilities needing modification to existing academic requirements should contact the Center for Students with DisABILITIES to file an Americans with Disabilities Act petition form. Modifications that do not fundamentally alter the nature of the program and are not unduly burdensome will be considered. See the Center for Students with Disabilities for more information.



Changes of Degree Objective

Students who have previously enrolled and who wish to change their field of study and/or degree objective, should consult with the graduate program advisor for the program in which they are interested in pursuing. Students must meet the admission and/or academic standards of the new area of study. Students admitted at the master's level may transfer to a different master's degree objective by submitting a graduate petition signed by both the current and new units and associate deans. Students must submit an application to begin a new doctoral degree objective.

Study Beyond a Master's Degree

Students who complete a master's degree program (or equivalent, if permitted by the department) and wish to continue graduate study without applying to a new degree program, must file a petition prior to commencement to record a request to change to non-degree objective status and, if applicable, to a new academic field. Students wishing to begin doctoral-level study must submit an application.



Classification

Graduate Classification

The University classifies a student as a graduate student when an admission application and the required credentials have been submitted, the student has been approved for admission, and has registered for classes as a graduate student at the University of Houston. All graduate students must go through the formal application process in order to obtain the graduate student classification.

Masters:

In order to be classified as a master's degree-seeking student at the University of Houston, the student must:

1. Be officially admitted to a master's degree program at UH **and**
2. Possess a baccalaureate degree from a regionally accredited institution (or the equivalent). Students must provide proof of these credentials by submitting official transcript(s) from all prior institutions attended.

Doctoral:

In order to be classified as a doctoral degree-seeking student at the University of Houston, the student must:

1. Be officially admitted to a doctoral degree program at UH **and**
2. Have completed a master's degree from an accredited institution, in which the degree is recognized by UH as the equivalent of one year's work toward the doctoral degree in the student's proposed discipline (or the equivalent), **or**
3. Have earned at least 30 semester credit hours at an accredited institution toward the proposed doctoral degree (or the equivalent). Students must provide proof of the above by submitting official transcript(s) from all prior institutions attended.

Non-Degree Seeking Graduate:

In order to be classified as a non-degree-seeking graduate student at the University of Houston, the student must:

1. Be officially admitted by a college or department as a non-degree-seeking (NDO) student to take a limited number of graduate classes to further their education.
2. Possess a baccalaureate degree from a regionally accredited institution (or the equivalent). Students must provide proof of these credentials by submitting official transcript(s) from all prior institutions attended.

Post-baccalaureate Status

The post-baccalaureate status is designed for applicants who have earned one or more degrees at an accredited institution and seek another undergraduate degree, wish to enter a non-degree undergraduate program, or wish to further their education by taking undergraduate courses in varying fields of study.

Students who would like more information on post-baccalaureate status should consult the Undergraduate Studies Catalog, and complete the undergraduate application on the online application web site.



Examinations

Final Examinations

Final examinations shall be given during the time and date designated in the class schedule. Any exceptions to this policy must be approved in writing by the dean of the college and announced no later than the last day to drop a course.

In recognition of students' needs to prepare for final examinations, it is contrary to campus policy to assign previously unscheduled work in the form of tests, papers, or reports during the 14 calendar days prior to the examination period of each term or five calendar days prior to the examination period of each summer session. There will be no final examinations during the reading period.

Classroom and Laboratory Examination

For purposes of security, and to ensure that assistance is available, it is expected that someone familiar with the examination being administered, either the instructor or a designate, will be present in the room during the examination period. It is recognized that such an expectation is not always appropriate, for example, when an honor code is in effect, when the class is a graduate seminar, or when the format of the examination makes it unnecessary.

Final Comprehensive Examination

In some departments, the program for the master's degree may not include a thesis but may require a final comprehensive examination. Graduate students are expected to enroll each term until completion of the degree program and award of the degree. During the term in which the final comprehensive examination is taken, graduate students in non-thesis programs are considered to be full-time students and are expected to comply with the enrollment requirements as set forth in the section entitled Course Load for Graduate Students.



Excused Absence for Military Service Policy

In accordance with section 51.9111 of the Texas Education Code and the General Provisions under Chapter 4 of the Texas Administrative Code, a student is excused from attending classes or engaging in other required activities, including exams, if he or she is called to active military service of a reasonably brief duration.

A student who has been called to active military service after a term begins should immediately initiate the request for excused absence by providing the course faculty a copy of the military orders.

The student shall be excused from attending class and be allowed to complete an assignment or take an examination from which the student is excused within a reasonable time after the absence, as determined by the faculty member, with consideration of the date of the student's return from active duty and within one academic term from the date of the student's return from active duty.

An excused absence granted under this policy is designed to cover a period of time no longer than the equivalent of 25% of the overall class content (i.e., in-class hours, assignments), excluding the final exam period. Students with an absence longer than the equivalent of 25% of the overall class content may request military withdrawal under a separate policy.

Further guidelines include:

1. Students enrolled in distance learning, hybrid, and other asynchronous courses are to receive equivalent consideration for granting of an absence under this policy.
2. Faculty must retain a student's completed course work and the course syllabus or other instructional plan, to ensure that the student is able to complete the course under the same course requirements as when they initially registered for the class.
3. If an excused absence is granted under this policy, faculty are encouraged to outline and document the parameters and deadlines for completing make-up requirements and the consequences of a student's failure to meet these requirements by the agreed-upon deadlines.
4. Disputes arising as a consequence of a student failing to meet such parameters and deadlines for make-up requirements should be resolved according to the Excused Absence policy appeal process.



Excused Absence Policy

Regular class attendance, participation, and engagement in coursework are important contributors to student success. Absences may be excused as provided in the present University of Houston Excused Absence Policy, which applies to all graduate courses in all delivery modes (in person and online). Graduate and professional students are expected to comply with their program's attendance and excused absence policies and those requirements supersede this policy.

1. EXCUSED ABSENCES

Absences from class, including exams and submission of assignments or other course requirements, may be excused for the following reasons:

- a. Medical
 - i. Injury or illness that is too severe or contagious for a student to attend class or participate in course requirements. Students should not come to class, campus, or participate in campus activities if they are sick and possibly contagious and should contact the Student Health Center or their health care provider as necessary.
 - ii. Illness of a dependent family member.
 - iii. Serious illness of a close family member (parent, sibling, grandparents spouse, cohabitating partner, child, cohabitating partner/spouse's child, cohabitating partner/spouse's parent, cohabitating partner/spouse's grandparent, step-parent, step-siblings step-grandparent, grandchild, step-grandchild, legal guardian, and others as approved by course instructor, college dean, or dean's designee).
- b. Death in the Family - Death of a close family member (parent, sibling, grandparents house, child, cohabitating partner, cohabitating partner/spouse's child, cohabitating partner/spouse's parent, cohabitating partner/spouse's grandparent, step-parent, step-siblings step-grandparent, grandchild, step-grandchild, legal guardian, and others as approved by course instructor, college dean, or dean's designee).
- c. Legal or Government Proceeding - Participation in legal or government proceeding that can not be rescheduled.
- d. Professional and Educational Activities
 - i. Mandatory interviews for graduate or professional school that cannot be rescheduled (*maximum of 1 per class each term*).
 - ii. Mandatory interviews for full-time employment or internships that are related to the student's academic program and cannot be rescheduled (*maximum of 1 per class each term*).
 - iii. Presentation of research or scholarship at a professional conference that is related to the student's academic program (*maximum of 1 per class each term*)
- e. University Sponsored Activity - Absences caused by participation in a campus-sponsored activity are considered official if the sponsor of the activity has received approval from the appropriate University administrator.
- f. Athletic Competition - Mandatory participation as a student athlete in an NCAA-sanctioned competition.
- g. Other - Additional compelling reasons as approved by instructor or college dean, or dean's designee.

2. EXCUSED ABSENCE APPROVAL

- a. Notification
 - i. Students are required to submit an excused absence request in writing (email is acceptable) to the instructor(s) of the course(s) in which absences occur. Students should contact their instructor(s) by phone if written or email communication is not possible.
 - ii. When possible, requests for planned absences should be submitted to instructors as soon as possible but no later than 5 business days before the anticipated absence.
 - iii. Unexpected absences should be communicated to the instructor before the next class meeting or as soon as possible afterwards with an explanation as to why the notice could not be sent before the next class meeting.
- b. Documentation
 - i. Documentation to support requests for excused absences may include but is not limited to the following:
 - Written confirmation from the student's medical provider if medical professionals are involved in the care of the student. Confirmation should include the date and time of the medical assessment and



the date at which the student may return to classes. Students cannot be required to provide detailed medical information.

- Written confirmation from the medical provider involved in the care of the student's close family member or dependent if medical professionals are involved in the care of the family member or dependent. Students cannot be required to provide detailed medical information.
 - Death notice, obituary, or death certificate for a student's immediate family member.
 - Copy of appropriate legal documentation related to legal activities that may be redacted for privacy
 - Confirmation of mandatory athletic participation from an appropriate UH Athletics administrator.
 - Confirmation of mandatory interviews from employers or appropriate officials at institutions of higher education.
 - Conference program including documentation confirming that the student will be a presenter of scholarly work.
 - Confirmation of participation in a University-sponsored activity from an appropriate administrator.
 - A number of reasons for absence are not documentable, and instructors are encouraged to use their best judgment in evaluating student requests.
- ii. Providing false information or documentation is unacceptable and may be considered as prohibited conduct under the Student Code of Conduct or an act of academic dishonesty under the Academic Honesty Policy.
- c. Verification and Decision
- i. An instructor may verify a student's absence documentation or defer verification and decision, including cases when documentation is not available, to the college dean or dean's designee.
 - ii. The instructor, dean, or dean's designee must provide the student with a decision regarding whether the excused absence is approved within three business days of receiving the student's request. Decisions must be made irrespective of the grade the student is currently earning in the class.
- d. Appeal
- i. A student may appeal an instructor's decision regarding an excused absence request within 3 business days of receiving the decision. The appeal should be submitted in writing (email is acceptable) to the college dean or dean's designee who must provide a decision to the student within 3 business days of receiving the appeal. Unexcused absences cannot be appealed. Instructors are encouraged to use their best judgment in evaluating unexcused and no-fault student requests.
 - ii. A student may appeal the decision of a dean or dean's designee within 3 business days of receiving the decision. The appeal should be submitted in writing (email is acceptable) to the Vice Provost and Dean of the Graduate School(gradschool@uh.edu) who must provide a decision to the student within 3 business days of receiving the appeal.
 - iii. The decision of the Office of the Provost is final and further appeal is not permitted.
3. MAKE UP WORK
- If a student's absence is excused, the instructor must either provide the student an opportunity to make up any quiz, exam, or other work that contributes to the course grade, or provide a satisfactory alternative by a date agreed upon by the student and instructor.
4. EXTENDED ABSENCES
- Extended Absence Alternatives - Students with excessive or extended absences are encouraged to consult their instructor to seek potential alternative options provided in other policies including Dropping Courses, Withdrawals, and temporary grades of Incomplete. Through the last day to drop a course with a grade of W, an instructor may also drop students for excessive absences.
5. OTHER EXCUSED ABSENCES
- Additional policies address excused absences for reasons that are not covered in this policy including the following:
- a. Military Service: Excused Absence for Military Service Policy
 - b. Religious Holy Days: Religious Holy Days
 - c. Pregnancy and Related Conditions: University of Houston System Anti-Discrimination Policy
 - d. Disability: University of Houston System Student Academic Adjustments/Auxiliary



Grading Policies

Grade Assignment

Grades are awarded in courses in which students are officially enrolled after the last day to drop or withdraw from a course without receiving a grade. This date is indicated in the Academic Calendar for each enrollment period.

Grade points are assigned as follows: four for each semester hour of A, three for B, two for C, one for D, and zero for F. Plus or minus grades may be assigned at the discretion of the instructor with corresponding grade points as follows:

A	4.00	B-	2.67	D+	1.33
A-	3.67	C+	2.33	D	1.00
B+	3.33	C	2.00	D-	0.67
B	3.00	C-	1.67	F	0.00

In computing the grade point average, decimals beyond two places are truncated, not rounded. For example, a term with 3 hours of grade A and 3 hours of grade B- will display a GPA of 3.335 in the student center. But the GPA is truncated to 3.33 for scholastic requirements (see below).

Grade Explanations

1. Passing grades for which semester hours of credit are awarded are A, A-, B+, B, B-, C+, C, C-, and S. (Professional students in the colleges of Law, Optometry, and Pharmacy students should refer to those sections of the catalog for relevant grading policy variations.)
2. Although grades of D+ and lower are included in the computed grade point average, the university awards no credit toward the degree for courses in which the student receives a grade below C-. If such courses are required for the degree, the student will be required to take the courses again.
3. Certain graduate courses, as specified annually by the department, may be graded as S (satisfactory), U (unsatisfactory), or I (incomplete). In the catalog, these courses are referred to as S-U graded courses. Such grades will not be included in computing a grade point average as grades of S, U, I, and W are not assigned grade point values.
4. The temporary grade of I (incomplete) is a conditional and temporary grade assigned when students for non-academic reasons beyond their control have not completed a relatively small part of all requirements for a course. The student must:
 - a. be currently passing the course or have a reasonable chance of passing the course, in the judgment of the instructor;
 - b. contact the instructor immediately regarding the reasons that prevent the student from completing the course, final assignment and/or final examination, and initiate the request for an I grade as soon as possible, preferentially before the end of the term. However, students have 90 days from the posting of the course grade to request an I grade;
 - c. not re-enroll for the courses in which their grade is currently recorded as an I. Even when the conditions for fulfilling the course requirements include participation in all or part of the same course in another semester, the student must not re-enroll for the course;
 - d. make arrangements with the instructor to complete the course requirements, if assigned;



- e. understand that the only way to have an I grade changed to a passing grade is to fulfill course requirements in accordance with the conditions specified by the instructor;
- f. understand that the grade of I (incomplete) must be changed by fulfillment of course requirements within 12 months of the end of the term or session in which the I grade was received, or it will be converted automatically to an F or U (in S-U graded courses); and
- g. understand that the grade of I may be changed only to another letter grade. If the student does not complete the course requirements in the time allotted (see point f. above) the I grade will convert to an F grade and will be noted as a lapsed incomplete on the student's transcript. An I grade, once lapsed to an F grade or changed to another letter grade, may not be changed back to an I grade or to a grade of W.

After the course work is completed by the student, the instructor will submit an electronic grade change form to change the I grade to the grade earned. Incomplete grades must be resolved before graduation. In the case of a student enrolled in the graduating semester, a grade of I which has not been changed by the date of graduation will have the effect of an F or U.

- 5. The grade of W is assigned to a course only after the last day to drop or withdraw without receiving a grade by the official census date (see Academic Calendar), and no later than the final day to drop or withdraw. Students are responsible for initiating action to drop or withdraw from classes. See the Dropping Courses section for further details. Students who fail to do so will be retained on the class rolls even though they may be absent for the remainder of the semester. In such instances, a grade of F (or U in S-U graded courses) will be awarded unless the conditions for a grade of I have been met.

Cumulative Grade Point Average

The cumulative grade point average is based upon all of the student's work taken as a graduate student at the University of Houston, including repeated courses and undergraduate courses, for which grade point values are assigned.

Grade Changes

Questions or disagreements regarding course grades must be resolved in a timely manner. If warranted, with the exception of thesis/dissertation coursework, any change to a final grade must occur before the official closing date of session 1 of the academic term immediately following the posting of an S/U or letter grade. With the exceptions of resolving grades of Incomplete (see above) and thesis/dissertation grades (see Thesis/Dissertation), grade changes are approved only for the correction of errors in computing the posted grade. Students may not submit additional work after the end of the term for the purposes of changing a grade, unless resolving a grade of Incomplete (I) within the standard one-year time frame for incomplete grade resolution. Thesis and dissertation S/U grades may be changed to letter grades in accordance with the policy found here: Thesis/Dissertation.

Final Grade Reports

Instructors submit final grades through myUH. Students may view and/or print grades by logging into their myUH account at <https://accessUH.uh.edu>. Grades which are not reported by the faculty grading deadline are shown as NR on the transcript until a final grade is entered. NR grades will lapse to an F or U grade (as appropriate) 90 days after the closing date of term.

Academic Warning and Probation



If a graduate student's cumulative GPA falls below 3.00, the student is placed on Academic Warning. When a student is placed on Academic Warning, the student will be notified and will be instructed to contact their academic advisor. If the student does not raise the GPA to 3.00 after one long semester on Academic Warning, the student will be placed on Academic Probation. A student on Academic Warning or Academic Probation is not allowed to defend their thesis or dissertation.

A student regains satisfactory academic standing when their cumulative GPA returns to 3.00 or above. A student on Academic Probation will be dismissed from the graduate program if any of the following occurs:

1. the student's cumulative GPA remains below 3.00 after completing an additional 9 SCH of letter-graded coursework.
2. the student has not completed 9 SCH of letter-graded coursework within two long semesters after being placed on academic probation and the student's cumulative GPA remains below 3.00.

See section on Termination of Enrollment.

Failure to maintain a 3.00 GPA may also result in loss of financial support, or dismissal, according to college/departmental policies. Students should review and be familiar with degree requirements and academic policies of their academic unit. The Termination of Enrollment section specifies regulations related to dismissal.

Conditional Admission

In order to be admitted unconditionally, students with a conditional admission status must earn a minimum GPA of 3.00 during the first 12 hours of graduate-level course work attempted at the University of Houston, otherwise, they are dismissed from their degree program.

(Also see information on Transfer Credit)



Graduate Certificate Policies

Unless otherwise clarified below, all policies pertaining to the admission, registration, finances, grading, and academic progress of students pursuing master's or doctoral degree shall be the same for students applying to or pursuing a graduate certificate program at the University of Houston.

Graduate Certificate Admission

Applicants for admission to a graduate certificate program must meet the same admissions standards and requirements as other applicants for graduate study, with the exception of officially reported standardized exam scores (e.g., GRE, GMAT), unless otherwise stated in the admission policies for that certificate.

See the General Admission Policy for full details and the certificate program page for any additional requirements.

Scholastic Requirements

Graduate certificate students cannot be awarded a certificate if they have less than a 3.00 cumulative grade point average (GPA) on their certificate coursework. If a graduate certificate student is also a degree-seeking student, the GPA earned on the certificate courses shall be considered separate. Failure to maintain a cumulative 3.00 GPA may also result in academic probation, suspension, or dismissal according to college/departmental policy. Student should review and be familiar with degree requirements and academic policies of their academic unit.

Transfer Credit

Graduate students admitted to a graduate certificate program are not permitted to transfer credit toward their certificate.

Credit earned while in pursuit of a graduate certificate may be applied toward the completion of a future or concurrent graduate degree if approved by college faculty and eligible under the degree time limitation policy.

Certification and Certification Application (Application to Graduate)

The online Apply-to-Graduate process used by the University of Houston for the awarding of degrees also serves as the application for certification process for graduate certificates. Graduate Certificate recipients do not participate in graduation/commencement exercises.

Certificates are not awarded automatically upon completion of all scholastic requirements. To be considered as a candidate for a certificate:

- The student who expects to be certified in a given term must be enrolled for that term.
- An official transcript showing that a prior bachelor's degree, or its equivalent, has been conferred must be on file prior to enrollment at the university.
- The student must submit an application for certification by logging in to myUH and completing the Apply to Graduate module.

Applications should be filed during the publicized graduation filing period as listed in the Academic Calendar. A non-refundable application fee will be assessed for each certificate application filed during the regular graduation filing period. There will be an additional non-refundable application fee assessed for each graduation application filed during the late graduation application period.

Candidates for certification who have missed the final deadline for late filing of application must petition with their college. If such request is approved by the college, students will be assessed the non-refundable late application fee.



A student, who has been disapproved for their certificate, must submit a new application in a future term that they expect to meet the requirements to be considered for certificate completion. Each subsequent application submitted will be assessed the appropriate application fee according to the filing period during which the application is submitted.

Certification of certificate completion is performed by the dean's office of the student's college and a decision of approved or disapproved is rendered within 3 weeks after the close of the term. Certificates are typically mailed within 1-2 weeks from the time the approvals for graduation are processed.



Graduation

Graduation and Graduation Application

The application for graduation should not be confused with the application for candidacy.

Degrees are not awarded automatically upon completion of all scholastic requirements. To be considered a candidate for a degree:

- The student who expects to graduate in a given term must be enrolled for that term. This regulation applies to students who have not submitted a thesis or dissertation by the deadline of the previous term.
- An official transcript showing that a prior bachelor's degree, or its equivalent, has been conferred must be on file prior to graduation from UH with a graduate degree.
- The student must submit an application for graduation by logging in to *myUH*.

Applications should be filed during the graduation filing period as listed in the Academic Calendar. Effective with the Fall 2009 graduation application, a non-refundable application fee will be assessed for each graduation application filed during the regular graduation filing period. There will be a non-refundable graduation application fee assessed for each graduation application filed during the **late** graduation application period.

Candidates for graduation who have missed the final deadline for late filing of application must petition with their college. If such request is approved by the college, students will be assessed the non-refundable graduation application fee.

A student, who has been disapproved for their degree, must submit a new graduation application in a future term that they expect to meet the requirements to be considered a candidate for the degree. Each subsequent graduation application submitted will be assessed the appropriate graduation application fee according to the filing period during which the application is submitted.

Certification for graduation is performed by the dean's office in the college of the student's major and a decision of approved or disapproved is rendered within 4-6 weeks after the close of the term. Diplomas are typically mailed within 1-2 weeks from the time the approved certifications for graduation are processed.

Regalia

Students are responsible for ordering and paying for graduation regalia at the University Bookstore for all commencement exercises.

Graduation Under a Particular Catalog

A student normally is entitled to graduate under the degree provisions of the catalog in effect at the time of the first completed term of enrollment. The following exceptions apply:

1. A catalog more than seven years old will not be used.
2. The program of the student who interrupts enrollment (for reasons other than involuntary military service) for more than 13 months will be governed by the catalog in effect at the time the student re-enters the university. For these purposes, enrollment shall be defined as registration for and successful completion of at least one course during an academic term. A student forced to withdraw for adequate cause before completing a course may petition for a waiver of this provision at the time of withdrawal.
3. The program of the student who changes a major from one college to another within the university will be governed by the degree requirements in effect at the time the change of major becomes effective.
4. With the exception of programs for which another termination date has been specified, no degree will be granted for a graduate program not completed within five years after it has been deleted from the catalog.



5. Students may choose to meet the degree provisions of a catalog published later than that which is in effect at the time of the first completed term of enrollment. The University of Houston reserves the right to change the provisions of this catalog, including, but not limited to, degree requirements, course offerings, fees, and listings in the calendar as necessitated by university or legislative action.
6. Students must meet requirements specified in the section on Time Limitations on completion of degree requirements.



Grievance Policy

Grievance Policy and Procedure for Graduate, Professional Students

To ensure that students understand how to pursue a grievance at the University of Houston, students are encouraged to seek clarification regarding procedures and information for individual grievance policies through their respective college before initiating a grievance. Please refer to the college Web site grievance policy links below. If your respective college does not have an additional link, refer to the university policy below.

Hines College of Architecture and Design

College of the Arts

Bauer College of Business

College of Education

Cullen College of Engineering

Grievance Policy: Conrad N. Hilton College of Hotel and Restaurant Management

University of Houston Law Center

College of Liberal Arts and Social Sciences

College of Natural Sciences & Mathematics

College of Nursing

College of Optometry

College of Pharmacy (Professional Program)

College of Pharmacy (Graduate Programs)

Graduate College of Social Work

College of Technology

The following university-wide policy and procedure, for graduate, professional students, apply to the redress of grievances concerning academic and instructional matters and other issues for which there are no other existing grievance procedures.

1. Every effort shall be made by the graduate/professional student and the members involved to settle their differences amicably and informally to redress grievance. If appropriate or necessary, the department chair shall participate in this informal effort to resolve the grievance. **Students in colleges and schools where graduate programs are not administered by a department shall have an alternative person (i.e. Associate Dean, program director or an appropriate designee) to resolve the grievance.**
2. In the event that an informal resolution is not possible, the graduate/professional student may petition the department chair or the alternative (Associate Dean, program director or an appropriate designee) by filing a formal written complaint within 10 working days after the decision is mutually made that the grievance cannot be settled informally. The letter should provide details regarding the complaint and redress sought. After receipt of the letter, the department chair or alternative must respond in writing within the time specified according to the department's or program's established procedures for dealing with such matters.



3. In the event that either the grievant or the respondent is unsatisfied with the outcome of the departmental level process or alternative (items 1 and 2 above), that party may petition the dean of the college against which the grievance is held or the dean's designee by filing a formal written petition. The dean of the college must respond in writing within the specified time according to the college's established procedures for dealing with such matters. The dean's response must include an explanation for his/her decision.
4. If either the grievant or the respondent is unsatisfied with the outcome of the college level process, that party may file an appeal seeking university level review which is under the purview of the Vice Provost/Dean of The Graduate School. This appeal must be in writing explaining the party's position, and filed with the Graduate School within 30 calendar days of the final disposition at the college level. The appeal may designate as respondents any of the following persons: (i) the college dean or designee who issued the decision at the college level; (ii) the departmental chair who issued the department's decision or the alternative; and (iii) the original faculty member or committee members giving rise to the grievance. In the absence of a designation, only the faculty member or committee members will be respondents. The appeal must include a concise statement of the outcome desired by the appellant.

Review at the university appeal level shall be for the purpose of determining:

- i. Whether the appealing party was given a reasonable opportunity to be heard at the departmental and college levels and
- ii. whether the college's decision was reasonably reached. Procedural violations which would not affect the substantive result or are not substantially prejudicial to either party are not grounds for appeal.

Upon receiving a written appeal, the Vice Provost/Dean of the Graduate School will review the reports from the department and college grievance processes and will, within 10 working days, determine whether to:

- a. return the grievance to the department or college for reconsideration,
- b. reject the appeal, or
- c. refer the appeal to a committee for review.

If the dean decides to refer the appeal to a committee, the dean will notify the chairperson of the Graduate and Professional Studies Committee (GPSC) of the Faculty Senate, who will appoint a Graduate/Professional Student Grievance Committee (GPSGC) within 10 working days of receiving such notification.

The GPSGC will review the appeal file and may also request other documents as it sees fit. Within 30 calendar days of being formed, the GPSGC should schedule an appeal hearing with the interested parties. This deadline may be extended at the GPSGC's discretion upon written request of a party or upon stipulation of all parties. No record of the hearing will be required and the deliberations will be completed with reasonable speed. If a recording is made (at the discretion of the committee), it should be made available to all parties. Counsel for each of the parties involved may be present with that person, but will not be allowed to speak at the hearing. Expert resources should be available to the committee in an advisory capacity as needed.

The GPSGC will report its recommendations in writing to the Vice Provost/Dean of the Graduate School within 10 working days of the hearing. The Vice Provost/Dean will make a final decision within 10 working days following their receipt. The Vice Provost/Dean of the Graduate School will forward a copy & this decision in writing to the parties, to the dean of the college in the event he/she is not a party, and to the GPSGC.

Any party may file, within 10 working days of notification, a written appeal of the decision to the Senior Vice President for Academic Affairs and Provost. The Provost may conduct a plenary review. The Provost's decision, presented within 30 working days, will be final.

5. A graduate or professional student with a pending grievance regarding academic issues, if employed in a graduate student appointment, will retain privileges and salary, subject to a review of the individual situation by the department or college.

*In cases where the college does not have departments, the college level grievance policy and procedure replaces that of the department or program.

Guidelines for GPSGC Formation & Grievance Hearings



A GPSGC will consist of two graduate/professional students and three faculty members, none of whom will be from any respondent's department or program or from the department or program in which the grievant is enrolled. The faculty members will be appointed by the chair of GPSC on an ad hoc basis. The chair of GPSC will also select the student members from a pool of graduate students provided by each of the colleges. The chair of the committee will be elected by the committee members. All members of the committee will have voting privileges.

1. The GPSGC may set time limits for each party to present its position.
2. The GPSGC may request a representative from the university's General Counsel's office to attend as an observer.
3. Notification of the hearing schedule to all parties must be done in writing. The hearing schedule may be revised by the chairperson in her discretion, upon motion of a party or on the committee's own motion.
4. Any information provided to the GPSGC by a party will be provided by that party to all other parties prior to or simultaneously with providing it to the GPSGC.



Intellectual Property

Intellectual Property Policy

Definitions, processes, and protections regarding ownership of intellectual property conceived of or developed at the University of Houston is subject to the UHS Board of Regents policy 21.08 on Intellectual Property. [Read the full policy here.](#)



Religious Holy Days

The University of Houston respects the religious observances of students even though they may conflict with university class meetings, assignments, or examinations.

The University of Houston excuses a student from classes or other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose.

A student whose absence is excused under this policy shall be treated consistently with the instructor's policies and procedures relating to other excused absences, except that no instructor's policy may deny the opportunity for make-up work and examinations, as described below.

Students are encouraged to inform instructors about upcoming religious holy days early in the term to enable better planning and coordination of work assignments (and examinations).

Instructors are encouraged to announce reasonable time periods for make-up work (and exams) in the course syllabus and to make clear the consequences of a student's failure to meet such time requirements.

If a student and an instructor disagree about whether the absence is for the observance of a religious holy day, or if they disagree about whether the student has been given a reasonable time to complete any missed assignments or examinations, either the student or the instructor may appeal to The Graduate School. All parties must abide by the decision of that office.

Eligible religions are those whose places of worship are exempt from property taxation. For further information about state law, please see the Texas Higher Education Coordinating Board Texas Administrative Code §4.4 Student Absences on Religious Holy Days; or contact the Office of Undergraduate Academic Affairs, the Dean of Students, and/or the A.D. Bruce Religion Center to review the policy.



Student Records

Note: Most requests or change of information forms are available at department Web sites (e.g., Office of the University Registrar). Go to www.uh.edu/our for further information.

Change of Address

Students can update and review their address online through their myUH account at <https://my.uh.edu>.

Students will not be excused from penalties on the grounds that communications mailed from the University of Houston were not received if they have failed to report a new address. Students may update and review their address online through their myUH account at <https://my.uh.edu>.

- The University of Houston recognizes e-mail as an official medium for communication to its students. While U.S. Postal Service mail may also be used in some instances, fee bills, account statements and other critical documents will be delivered to currently enrolled students via e-mail correspondence only.
- Each student is assigned an e-mail alias at the time of admission.
- It is the responsibility of the student to ensure the UH e-mail alias points to a working e-mail address at all times. Students may update their e-mail address information by logging on to their myUH account at <https://my.uh.edu>.
- Any student may request an e-mail account from the University of Houston, to which the assigned alias may be pointed. Aliases may also be pointed to accounts outside the University. If a student chooses to have the alias point to a nonuniversity account, the university cannot be responsible for the service.
- Enrolled students who do not have the capability to access e-mail off campus will be able to access it on campus in locations such as the library, college service centers, campus kiosks, etc.
- It is the student's responsibility to read e-mail correspondence frequently and consistently. The University recommends students read e-mails at least once a day.
- Faculty may require the use of e-mail for completion of course work.
- E-mail aliases are classified as directory information and may be listed in University of Houston directories unless students have set FERPA/Directory restrictions in their myUH account or they have a valid Request to Withhold or Release Public Information form on file in the Office of the University Registrar. Distribution of e-mail addresses both within the University and outside the University will follow the same guidelines that apply to other directory information.
- Official university communications sent by e-mail are subject to the same privacy and records retention requirements and policies as other official university communications.
- Responsibility for implementation and administration of this policy rests with the Senior Vice President for Academic Affairs.

Change of Name

University records of a name are based upon applications for admission. Subsequent name changes, along with copies of documentation, should be promptly reported to the Office of the University Registrar, 128 Welcome Center.

Confidentiality

Student Records: Family Educational Rights and Privacy Act Notice of Student's Rights



The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights are as follows:

1. Students have the right to inspect and review their education records within 45 days of the day the University receives the request.
2. Students have the right to request amendment of their education records that they believe are inaccurate or misleading. If the University denies a student requested amendment, the student has the right to a hearing regarding the requested amendment to his/her education record.
3. Students have the right to consent to disclosures of personally identifiable information in their education records, except to the extent that FERPA authorizes disclosure without consent.
4. Students have the right to file a complaint with the U.S. Department of Education concerning alleged failures by the University to comply with the requirements of FERPA. Such complaints may be sent to:

*Family Compliance Office
U.S. Department of Education
400 Maryland Avenue, S.W.
Washington, D.C. 20202-4605*

Directory Information

At its discretion the University of Houston may provide "directory information" to the general public without student consent. "Directory information" is defined by FERPA as follows:

- Name
- Address
- University assigned E-mail address
- Telephone listing
- Major field of study
- Date and place of birth
- Dates of attendance
- Degrees, awards, and honors received
- Most recent previous education institution attended
- Classification
- Participation in officially recognized sports and activities
- Height/weight (athletes only)
- Enrollment status (undergraduate or graduate, full-time or part-time)

If a student does not want "directory information" regarding him or her to be released, the student must set FERPA/Directory restrictions in their myUH account or notify the Office of the University Registrar, 128 Welcome Center, Houston, TX 77204 in writing or by completing the Request to Withhold Public Information form, during the first week of class to ensure that information is not released by the university or published in the Student Directory. Students are responsible for requesting the release of their information once a request for withholding "directory information" has been placed on record.

Disclosure of Education Records

The University of Houston will not disclose information from a student's education records without the written consent of the student (PDF) except in the following instances in which FERPA authorizes disclosure without prior student consent:

1. To school officials who have a legitimate educational or administrative interest in the records. A school official is defined as a person employed by the University in an administrative, supervisory, academic, or support staff position (including the University's



police department and health care staff); a person or company with whom the University has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Regents; or a person assisting another school official in performing his or her official duties. A school official has a legitimate education interest if the official needs to review an education record in order to fulfill his or her professional responsibilities.

2. To other schools in which the student seeks to enroll.
3. To authorized representatives of the U.S. Secretary of Education, the U.S. Comptroller General, and state and local educational authorities, in connection with certain state or federally supported education programs; and the U.S. Attorney General for law enforcement purposes.
4. In connection with a student's request for or receipt of financial aid, as necessary to determine the eligibility, amount or conditions of the financial aid, or to enforce the terms and conditions of the aid.
5. To state and local officials or authorities in accordance with state law.
6. To organizations conducting studies for or on behalf of the University to develop, validate, or administer predictive tests; administer student aid programs; or improve instruction.
7. To accrediting organizations to carry out their functions.
8. To parents of "dependent" student as defined under the federal tax laws.
9. To comply with a judicial order or a lawfully issued subpoena.
10. To appropriate parties in connection with a health or safety emergency.
11. As it relates to "directory information" unless the student restricts "directory information".
12. To alleged victim of any crime of violence or non-forcible sex offense regarding the final results of any disciplinary proceeding conducted against the alleged perpetrator of that crime or offense with respect to that crime or offense, regardless of whether the student was found to have committed the violation.
13. To the public regarding the final results of any disciplinary proceeding in which the student was alleged to have committed a crime of violence or non-forcible sex offense and pursuant to the disciplinary proceeding the student was found to have violated a University disciplinary rule or policy.
14. To parents of a student who is under the age of 21 regarding the student's violation of federal, state, or local law, or any University rule or policy, governing the use or possession of alcohol or a controlled substance.
15. To the court where the student has initiated legal action against the University or the University has initiated legal action against the student.

Procedure to Inspect Education Records

A student has the right to inspect his or her educational records and to challenge the contents. To review records, a student must make a request in writing to the Custodian of those records. (See Custodians of Records below.) The written request must identify as precisely as possible the record or records he or she wishes to inspect.

Procedure to Amend Education Records

If a student believes the information in his or her education record contains information that is inaccurate, misleading, or in violation of the student's rights of privacy, the student should submit a written request for amendment to the appropriate custodian of the record (See the list of Custodians of Records below). The written request should clearly identify the part of the record the student wants changed and specify why it is inaccurate, misleading, or in violation of the student's rights of privacy. The University will notify the student within a reasonable time regarding whether or not the record will be amended. If the University denies the student's request for amendment of his or her record, the student has the right to a hearing regarding the requested amendment.

** Note: This procedure does not govern grade appeals.

Procedures for a Hearing Under FERPA



1. To request a hearing pursuant to the University's denial of a student's request to amend information in his or her education record that the student believes is inaccurate, misleading, or in violation of the student's rights of privacy the student should submit a written request for a hearing that clearly identifies the part of the record the student wants changed and specifying why it is inaccurate, misleading, or in violation of the student's rights of privacy to the custodian of the record that the student seeks to challenge.
2. The University will hold a hearing within a reasonable time after receiving the student's written request for a hearing.
3. The University will give the student notice of the date, time, and place of the hearing reasonably in advance of the hearing.
4. The hearing will be conducted by an individual who does not have a direct interest in the outcome of the hearing. The hearing official will be appointed by the vice president to whom the custodian of the records in question reports.
5. The student will be provided the opportunity to present evidence supporting his or her allegation that his or her education record contains information that is inaccurate, misleading, or in violation of the student's rights of privacy. The student may, at his or her own expense, be assisted during the hearing by one individual, including legal counsel. The student must notify the hearing official no later than three (3) business days before the hearing that he or she will have legal counsel present at the hearing.
6. The custodian of the record in question and the author of that record (if appropriate) will also be provided an opportunity to respond to the student's allegations.
7. Upon hearing all of the evidence, the hearing official will render a written determination within a reasonable time after the hearing. The written determination will include a summary of the evidence and the reasons for the hearing official's determination.
8. Any information in the student's education record that is determined to be inaccurate, misleading, or a violation of the student's rights of privacy will be amended with the correct information and the student will be notified in writing of the change.
9. If it is determined that the student record is correct and does not merit amendment, the University will notify the student of his or her right to place a statement in the education record commenting on the information in the record, and/or presenting any reasons for disagreeing with the University's decision.
10. Any statement placed by the student in his or her education record shall remain a part of the record for as long as the record is maintained by the University.

Custodians of Records

- Office of the University Registrar
The Welcome Center
- Director of Scholarships and Financial Aid
The Welcome Center
- Director of Student Financial Services
The Welcome Center
- Director of the Student Health Center
100 Health Center
- Director of Learning and Assessment
210 Student Service Center
- Director of University Career Services
106 Student Service Center
- Dean of Students
252 Student Center
- Dean of the appropriate college



Ad Hoc Interdisciplinary Degree Option

Departments granting graduate degrees are authorized to modify their regularly established graduate course requirements in individual cases to permit a larger component of course work outside the department. In these instances, the dean of the college in which the sponsoring department is located must approve the design of the ad hoc interdisciplinary curriculum. The dean also approves the names of the faculty drawn from both the sponsoring department and supporting departments responsible for directing the student's progress through the curriculum and thesis/dissertation. A copy of the form indicating the dean's approval is forwarded to The Graduate School for final approval. Graduate-level students interested in this option should consult the director of graduate studies in the appropriate department about its availability.



Application for Candidacy

Graduate students must be approved for candidacy for a degree in accordance with the procedures approved by the individual college or department.

In general, master's students should file applications for admission to candidacy with the college office as soon as the following have been completed:

- at least 12 credit hours of graduate work at this institution
- the department's qualifying examination, if required
- all special requirements of the college and the department of the student's major.

After the college office has verified completion of these requirements, the student will be sent a formal notice of admission to candidacy for the degree.

Doctoral students should file for candidacy after completing the department's comprehensive qualifying or proposal examination. Doctoral candidates must file for candidacy at least one term prior to graduation (e.g., in the summer for fall graduates).

Candidacy application forms for graduate students are available in the college offices. Not all colleges or departments have a formal candidacy procedure. Students should check with the office of the dean of their college or their departmental advisor to determine their requirements.



Continuous Enrollment

In general, graduate students are expected to be enrolled in consecutive long terms (i.e., Fall and Spring terms) until the degree program is completed and the degree is awarded.

A graduate student who is not enrolled should not expect to be able to use the facilities of the University of Houston campus. Students who cannot enroll in a given term must apply to their college for a leave of absence in order to remain in good standing. Students should contact the office of the dean for individual college regulations on enrollment. A student who does not return to enrolled status at the end of an approved period of leave is no longer considered to be pursuing an advanced degree.

A student who leaves the university without obtaining a formal leave of absence from graduate study is not automatically readmitted. The recommendation of the department and the approval of the college dean, based on the academic merits of the student's request, are required. If readmitted, the student will be subject to all of the current requirements for the degree in effect at the time of readmission.

Doctoral students who have begun their graduate research must be continuously enrolled in each long term unless they have an approved leave of absence. A doctoral student not on campus, and who is not using university resources, may be permitted by the Dean of the College and the Dean of the Graduate School to carry a reduced course load.

Leaves of Absence

Any doctoral or professional students who cannot enroll in a given term must apply for a leave of absence using a Graduate and Professional Student Petition to remain in good standing.

Leaves of absence may only be granted by the college dean for exceptional circumstances such as educational opportunities which will not require the use of university resources, personal problems which temporarily interfere with the student's ability to continue in the program, or other such circumstances as the dean determines are extenuating.

Leaves of absence shall be granted for specific periods of time, e.g. one term, one year, etc. and may contain requirements for readmission into the program. A student who requests an extension of a current leave of absence shall have that request considered as a new request.



Course Load Policy

The graduate course load requirements and regulations apply to all graduate students with the exception of those students specified under special course load requirements shown below. Graduate student assistants should also consult the section entitled Graduate Student Assistantships.

Full-time enrollment is defined as:

- Fall Semester - 9 Credit Hours Minimum
- Spring Semester - 9 Credit Hours Minimum
- Summer Semester - 6 Credit Hours Minimum

A full-time graduate student is a student who has full time enrollment in consecutive Fall and Spring semesters.

Nine semester hours is considered a full-time course load for doctoral students enrolled during any Fall or Spring semester, unless they are required to enroll for more than nine hours under the Special Course Load Requirements (see below).

Students on fellowships or assistantships, or receiving financial aid, should verify the conditions of their awards with respect to required enrollment.

Students failing to meet the full-time enrollment requirements may forfeit financial assistance and other privileges.

Special Course Load Requirements

Students shall be required to enroll in more than nine hours if they are in the following categories:

- a. Professional students;
- b. Doctoral students enrolled in programs with core curricula requiring 12 hours of organized classes during long semesters;
- c. Doctoral students enrolled in nine credit hours of organized classes who are conducting research related to their dissertation. These students may be required to enroll in up to three hours of research or dissertation for a total of 12 credit hours during each Fall and Spring term.

Graduate Students in their Last Semester of Enrollment

Students who are in their final graduating semester, and need fewer than nine (9) credit hours to complete their degree program, may hold an assistantship during that semester upon the approval of the dean of the college or their designee. These students must meet any minimum enrollment requirements in the Graduate Catalog. International students must complete a Reduced Course Load request prior to any such approval. Students who fail to complete their degree requirements in that graduating semester will be required to take nine (9) credit hours in the subsequent Fall and Spring semesters in order to hold an assistantship.

Reduced Course Load

1. There are certain situations where F-1 nonimmigrant graduate or professional students may request approval for a reduced course load. These situations are defined by federal laws and regulations and are consistent with the Graduate Catalog.
2. When unusual circumstances exist, the dean of the college may, upon recommendation of the department chair, certify full-time equivalency for a master's student taking fewer than nine semester hours, or a doctoral student taking fewer than nine semester hours, in a Fall or Spring semester. This certification will require notification to the UH Graduate School.



3. Requests for a reduction in course load or medical leave requires prior approval. The International Student and Scholar Services Office (ISSSO) cannot authorize a student for reduced course load or medical withdrawal retroactively. Students who complete a reduced course load without a prior authorization from ISSSO will have to apply to the Department of Homeland Security (DHS) through ISSSO for reinstatement.
4. A doctoral student not on campus, and who is not using university resources, may be permitted by the Dean of the College and the Dean of the UH Graduate School, under certain circumstances, to enroll in as few as one credit hour.

Maximum Course Load

Each college will determine the maximum course load for a graduate and/or professional student in that college.



Dual-Degrees, Double Majors, and Minors

Dual Degrees

Several colleges have approved dual-degree programs and accelerated pathway programs. Students interested in these opportunities should talk with their departmental graduate advisors to learn more about such options. Each dual degree program has specific admissions procedures and provides a pathway to pursue both degrees.

Minors

While many graduate and professional programs provide students the opportunity to have a minor field of study or specialization within the degree program, the University of Houston does not universally require completion of a minor. Individual degree programs may also encourage completion of course work outside the department. Doctoral students should read the section entitled Ad Hoc Interdisciplinary Degree Option for other options.

Double Majors

In general, double majors (concurrent degrees) are not permitted for graduate students, unless they are admitted into an approved dual degree program. Students also may be approved to pursue a second concurrent degree within their existing academic field with permission of the Associate Dean for Graduate Studies and the Dean of the college. A current student who wishes to pursue a concurrent degree in a different college may file a petition to request the approval of the Graduate School to do so. Such a petition should include:

- an academic petition showing the support of the student's current faculty advisor and Associate Dean for Graduate Studies
- a letter offering admission from the secondary college
- a written degree plan showing the combined course of study for both degrees which has been approved by the academic advisors of both programs, and
- a statement of understanding, signed by the student and representatives of both colleges, addressing the student's funding considerations (assistantships, fellowships, scholarships, etc.).

The approval of this petition by the Graduate School is required before the student begins taking coursework toward the secondary degree.



Foreign Language Requirement

There is no uniform foreign language requirement for graduate degree programs. This requirement is determined by the appropriate college or department. Further information may be obtained from the respective colleges and departments.



Residency Requirement

In a graduate program that requires a thesis, at least 21 semester hours of credit is required for the master's degree and must be earned in residence at the University of Houston. For programs of 36 semester hours, at least 27 semester hours must be earned in residence.

Doctoral programs set their own minimum residence requirements in consultation with department/college policy. In traditional programs, residency is satisfied over a period of 2-3 consecutive terms of fulltime study. Programs are required to maintain records documenting the means by which individual students met the program's minimum residency requirements. A variety of experiences can be used to help a doctoral student meet residency requirements, including

1. Significant, sustained, and regular interaction between program faculty and the student
2. Completion of academic courses that serve as the core foundation of the student's degree program
3. Exploration and engagement of educational resources related to the degree program and associated fields of study
4. Broadening the student's educational and cultural perspectives within the field of study
5. In depth faculty evaluation and mentoring of the student

(Also see information on Transfer Credit.)



Termination of Enrollment

A satisfactory rate of progress toward the degree is required throughout a student's enrollment. A department may terminate enrollment at any time if the rate of progress is not satisfactory. A student whose enrollment is terminated will be notified, with an explanation, in writing by the chair of the department of the major. Copies of this notice and explanation will be sent to the dean of the student's college and to the Graduate School. Students whose enrollment is terminated due to unsatisfactory academic progress will not be permitted to re-enroll in a graduate degree program without special approval from the Dean of the College and the Dean of the Graduate School. The College readmitting the student will have to specify in the offer letter of admission the time frame required for the student to raise the cumulative graduate GPA back to a minimum 3.00 to remain in the program.



Thesis/Dissertation

Continuous Registration

Students who have achieved candidacy and are working on a thesis or dissertation are expected to comply with the enrollment requirements as set forth in the sections entitled Course Load and Continuous Enrollment. Advice or assistance from a member of the faculty in the preparation of the thesis or dissertation should not be expected unless the student is officially enrolled.

Students are required to be continuously enrolled (i.e., each Fall and Spring semester), including the semester in which the thesis or dissertation is submitted to, and accepted by, the university. Failure to enroll in thesis/dissertation courses may delay graduation and may result in the loss of financial assistance and other privileges. A student not enrolled in a Fall or Spring term is not eligible for a teaching or research assistantship during that term. The student should consult the individual college requirements regarding summer registration for thesis or dissertation credit hours.

Students may enroll in absentia for thesis/dissertation courses if arrangements are made through the department of their major at least two weeks before the registration period. Registration for all other students must be completed in the prescribed manner during the announced registration period. The thesis or dissertation course is considered part of a student's current course load.

Grading

A student enrolled in a thesis/dissertation course should receive a grade of S/U each semester until the semester in which the thesis/dissertation is defended and finalized. Upon completion of the thesis/dissertation, the student is awarded a letter grade commensurate with performance in that course. A final grade of B or better is required on the completed thesis/dissertation in order for the student to graduate. Colleges will ensure that the thesis or dissertation has been submitted and approved, and a letter grade of B or better assigned to the thesis/dissertation course, prior to certifying the student's graduation.

This letter grade may be applied to thesis/dissertation course hours up to a maximum of 12 cumulative total letter-graded credit hours of Dissertation coursework for a Doctoral degree and a maximum of 6 cumulative total letter-graded credit hours of Master's Thesis coursework for a Master's degree. Once students are enrolled in thesis/dissertation courses, they must continuously enroll in them until a degree is conferred. (Also see section on the 99-Hour Doctoral Cap.)

Preparation of Document

The University of Houston uses an electronic thesis/dissertation submission process for submission of the final, official version of the document to the university. Please check with your specific department or college for details regarding the steps for submitting a thesis or dissertation to your college and the university.

Approval of Document Proposal

Students must receive approval of their thesis or dissertation proposal from their thesis or dissertation committee. In some departments, students may not begin research prior to admission to candidacy without the approval of an advisor. The committee is approved by the dean of the college upon the advice of the appropriate department chair or in accordance with college policies. Students must check with their departments or programs for deadlines regarding the submission of the thesis or dissertation proposal.



The thesis or dissertation must present evidence of a mastery of the literature in an area of study, a significant contribution to knowledge, and the ability to conduct independent research.

Every thesis, dissertation or other research project involving the use of Human subjects must be approved by the Committee for the Protection of Human Subjects before research is started. Students should consult their faculty advisors for information. For additional information or an application form, contact the Office of Research Policies, Compliance and Committees, 316 Ezekiel W. Cullen Building, (713) 743-9104.

Suggested Form

As a general rule, the format and style of presentation should conform to the most acceptable standards of scientific and scholarly writing in the discipline. For instances in which this general rule is an inadequate guide, reference should be made to a style manual approved by the college or department.

Before preparing the thesis or dissertation, the student should obtain a copy of the guide for the preparation and submission of theses and dissertations from the appropriate college office.

Approval of the Final Draft

The final draft of the thesis or dissertation must be completed and submitted to the advisory committee as early as stipulated by the committee, but no later than the deadlines specified by the college. After students have received approval of the final draft from their advisory committee, they must submit it to the college for approval no later than the deadline specified by the college.

Electronic Submission

Once they have received approval from the college, students must submit the college-approved thesis or dissertation electronically for archiving by the University. Students will submit the work and faculty will approve it using Vireo, following the instructions found at the following link: <http://www.uh.edu/graduate-school/thesis/>. Students must submit their documents in Portable Document Format (PDF) per the guidelines on the web site, following all program, department, and/or college-specific requirements. Students may have hard copies of their theses or dissertations bound for personal use, and they should check whether their specific program, department, college, or library requires a bound copy as well.

After your thesis/dissertation has been approved by your advisor and college in Vireo, your document's content is considered finalized and you are not allowed to make any changes.

Deadline for Completed Submission

All student, department, and college approval processes for submission of thesis or dissertation-including college approval of defended thesis or dissertation, assignment of final grade(s) for thesis or dissertation courses by the faculty advisor, and all components of electronic submission to the university for archiving-must be completed no later than the final grading deadline for faculty for session 1 (regular academic session) of the academic term, as published in the graduate Academic Calendar .

Early Submission



If a student meets all of the requirements described above for completed submission of thesis or dissertation prior to the last day to add a class in session 1 (regular academic session) of the academic term, they are eligible to request via petition to have their minimum required enrollment reduced to one credit hour. Such petitions are approved at the discretion of the Associate Dean for graduate studies of the respective college and filed with the Graduate School. Such petitions must be submitted to and approved by the Associate Dean for graduate studies no later than the last day to add classes in session 1 (regular academic session) of the academic term, as published in the graduate Academic Calendar . Students who meet this early submission deadline and do not submit a petition to request a reduced minimum required enrollment by the last day to add a class in session 1 (regular academic session) for the academic term are required to remain in the required three credit hours of enrollment.

Previous Publication of Materials

Students who have previously published portions of their electronic thesis or dissertation in professional journals or in books must demonstrate who ultimately retains the copyright to the published works before material can be made publicly available in UH Libraries' Vireo repository. It is the student's responsibility to determine copyright ownership; he/she should consult the contracts signed between the corresponding author and the publisher to determine the copyright holder.

Future Publication of Materials

It is recommended that any future publication (article or book) include a note indicating that the material is, or is based upon, a thesis or dissertation submitted in partial fulfillment of the requirements for the designated degree at the University of Houston.

Take Down Policy

The University of Houston Institutional Repository (UH IR) is intended to be a permanent archive of, and provide persistent access to, deposited theses and dissertations, among other materials. When authors submit their thesis or dissertation to the Vireo system, it will be deposited in the UH IR pending any embargo, and will only be removed under special circumstances, including **copyright violations, plagiarism, or falsification of data**. When authors leave the University, their material will remain in the repository. Authors who wish to request the removal of items that they, or others, have submitted to UH IR should contact the Library by emailing cougarroar@uh.edu. The requesters should provide a full statement of the rationale for removing the item, which will be reviewed by UH Libraries and the Graduate School. In cases where material is removed, the citation/metadata information will remain displayed.



Time Limitations

Students who are enrolled as graduate students at the University of Houston must complete the usual master's degree program within five years of the date of enrollment with a master's degree objective at the University of Houston. Students pursuing a Master of Business Administration may qualify under certain circumstances for a time limit of seven years to complete the degree requirements (See the program page for details). Any exceptions to this policy will require a petition approved by the department advisor, chair, college dean, and The Graduate School. Transfer credit may not apply to any master's degree if the course credit is more than five years old at the time of commencement.

Students who enroll as doctoral candidates must complete their degree requirements within 10 years of the date of first enrollment with a doctoral degree objective. Failure to comply will result in the candidate being ineligible for that doctoral degree.

Doctoral students who fail to complete their dissertation within five years after completion of the comprehensive examination must retake the examination.

Students admitted to the university for the purpose of pursuing a graduate certificate must complete the certificate requirements within 3 years of the date of first enrollment with that objective. If a student who is already admitted to a graduate degree program is subsequently also admitted to pursue a graduate certificate, the time limit for completing the certificate requirements shall be the same as the student's existing degree objective.

With the exception of programs for which another termination date has been specified, no degree will be granted for a graduate program not completed within five years of its deletion from an issue of the University of Houston catalog.



Transfer Credit

Ordinarily, all work for graduate degrees must be completed at the University of Houston. Under some circumstances, graduate coursework in which the grade is B or higher may be transferred. Except in the case of coordinated inter-institutional programs approved in advance by the Graduate and Professional Studies Committee of the Faculty Senate, not more than nine semester hours of transfer credit from another institution may be applied to a graduate degree. In cases where credit is transferred from more than one institution, including from prior incomplete degree programs or hours taken in a non-degree capacity at the University of Houston, no more than a combined maximum of 9 credit hours is allowed. A transfer credit request is subject to faculty evaluation and must be consistent with the degree requirements and/or research plan as approved by the student's graduate program faculty advisor. Only graduate-level courses may be transferred. Courses graded on a pass/fail basis are ineligible for transfer, except in cases where the equivalent UH course is graded on a pass/fail (S/U) bases, and upon faculty review and approval of the course curriculum. Advanced work completed at another institution prior to the time that institution offered graduate credit may not be transferred. Individual colleges, departments or academic units may elect to have transfer credit policies allowing for less than nine hours of transfer credit.

Exceptions to the nine-hour maximum may be granted with approval of the dean of the college and the dean of the Graduate School; however, exceptions are unusual and under no circumstances may more than one-half of the semester credit hours necessary for any graduate degree within the jurisdiction of the Graduate School be represented by credit transferred from other institutions.

Requesting Transfer Credit

A student seeking transfer credit must provide the graduate program faculty advisor in their academic unit with an official syllabus, catalog, calendar and/or bulletin with detailed course description, in addition to an official transcript including official explanation of the course numbering and grading systems at the school at which the credit was earned. The graduate program faculty advisor may request additional documentation to complete the transfer credit determination. If approved by the department and the college, a Graduate and Professional Student Petition is submitted to the Graduate School to have the credit posted to the transcript. All transfer credit petitions must be approved by department/college faculty and submitted to the Graduate School no less than sixty (60) calendar days prior to the end of the term in which the student is graduating. Students may not request transfer credit for courses taken during the same term in which they apply to graduate.

Grades earned for transferred courses from another institution are not calculated into, nor are they part of, the graduate or professional student's grade point average at the University of Houston. The student bears the final responsibility for securing the department's acceptance of transfer credit.

International Transfer Credit

For coursework completed outside of the United States, transfer credit may be awarded only for graduate courses completed with a grade equivalent of B or higher, as determined in a transcript evaluation by the Graduate School. For evaluation of a transfer credit request, the student must provide the graduate program faculty advisor with an official syllabus, catalog, calendar and/or bulletin, which must be submitted with a certified translation into English, if needed.

Time Limitations

Regulations concerning time limitations for graduate and professional degrees also apply to transfer credit. Transfer credit will not be awarded in situations where the original date the student took the courses at another institution will be older than five years at the time of the awarding of a master's degree or ten years for a doctoral or professional degree. These time limitations also pertain to courses taken at the University of Houston by a student prior to being admitted to the graduate program for which the transfer credit is requested.



Transient UH Students

Current graduate students are encouraged to seek approval before taking any coursework at another institution as a transient student, which they ultimately wish to then transfer back to UH. Students may not transfer courses taken at another institution during the term they apply to graduate.

Previously Earned Degrees

Work taken while in pursuit of an earned degree at the University of Houston or another institution cannot be transferred. This includes graduate work taken while the student was pursuing an undergraduate degree, except in the case of an accelerated pathway dual-degree program (Bachelor/Master's) at the University of Houston where there is a pre-approved agreement to apply specific graduate-level classes taken during the senior year for use by the Master's degree.

Course Waivers

Colleges and departments have the option to waive required courses and allow students to substitute alternate courses of equal credit to those that are waived. Please refer to individual degree program policies for more information.

Colleges and departments granting masters degrees requiring more than 30 credit hours may waive up to 6 credit hours for students with especially strong academic backgrounds in subject areas covered in the degree program. In this instance, students are not required to substitute alternate courses for those waived. The remaining credit hours required for degree completion after such waivers cannot be less than 30. If a student being granted such a waiver is also a recipient of transfer credit, the combined total number of waived credit hours and transfer credit hours cannot exceed 9.

Waivers of both types are subject to the policies of individual degree programs, and must be approved by the program director or department chair and the associate dean or dean of the college.

Credit Earned as a Non-Degree Objective Student

Students who took graduate classes at the University of Houston in a non-degree seeking status (NDO or postbaccalaureate) and were later accepted into a graduate program, are allowed to apply nine semester hours from the NDO or PB status to the graduate degree, if the courses are applicable to that degree. Students in those colleges which have pre-grad programs may apply twelve semester hours taken in a pre-grad program to a future graduate degree.

Concurrent Degrees

Dual degree programs have established curricula which state if coursework can be counted toward both degrees. Enrolled doctoral students who are permitted to pursue a concurrent master's degree must have an approved academic plan regarding coursework shared by the two degrees. Each college will determine how many credit hours earned at UH can be applied to a concurrent graduate degree within the academic department. A maximum of 9 approved credit hours may be applied to a concurrent degrees in this manner. Students must begin such discussions prior to their enrollment in the second graduate degree program.

Summary Table



	Master's degree at UH	Doctoral degree at UH
Incomplete graduate degree at UH - concurrent	9 credit hours ¹	9 credit hours ¹
Incomplete Master's degree at UH - prior	9 credit hours	9 credit hours
Incomplete Master's degree at other institution	9 credit hours	9 credit hours
Incomplete doctoral degree at other institution	9 credit hours	9 credit hours
Completed Undergraduate degree	0 credit hours ²	0 credit hours
Completed Master's degree at UH	0 credit hours	0 credit hours
Completed Master's degree at other institution	0 credit hours	0 credit hours
Completed doctoral degree at UH	0 credit hours	0 credit hours
Completed doctoral degree at other institution	0 credit hours	0 credit hours
Graduate work taken as PB at UH	9 credit hours	9 credit hours
Graduate work taken as NDO at UH	9 credit hours	9 credit hours
Graduate work taken as pre-grad at UH ³	12 credit hours	12 credit hours

¹ if concurrently enrolled in both programs

² applies to hours at the graduate or undergraduate level; exceptions are made for preapproved accelerated pathway dual degree programs (Bachelor/Master's).

³ only applicable for colleges with such programs



Qualifications for Appointment

To be eligible for a graduate student assistantship, students must have an undergraduate degree or its equivalent, be admitted to a graduate program, and be prepared to devote full-time efforts toward the degree. Students seeking Graduate Student Appointments to serve as classroom instructors or in other roles that require communicating with students in English (primarily Teaching Assistants or Teaching Fellows) must meet one of the following requirements before teaching begins:

1. Completion of baccalaureate degree requirements at a regionally accredited U.S. institution or an institution in Australia, Canada, New Zealand, South Africa, or the United Kingdom at which English is the medium of instruction.
2. Demonstrate proficiency in the English language in one of the following ways:
 - TOEFL Internet-Based Test (iBT) - speaking section score of 25 or higher;
 - ACTFL (American Council on Teaching of Foreign Languages) - Oral Test - Advance High (AH) proficiency required. Available through the University of Houston
 - TestingCenter (<https://ussc.uh.edu/tests-offered.aspx>)
 - IELTS - speaking band score of 7.5 or higher required
 - Duolingo - conversation subscore of 120 or higher and production subscore of 105 or higher.
 - Previously accepted tests that are no longer offered:
 - Spoken Proficiency English Assessment Kit (SPEAK) Test (passing score of 50)
 - Test of Spoken English (TSE) (passing score of 50)
3. Provide evidence of spoken English language proficiency using an alternate method to satisfy spoken English fluency requirements. Departments and colleges are permitted to develop alternative methods to assess spoken English language ability for those who do not pass the English language proficiency requirements in section 2. Alternative methods must be approved by The Graduate School.

Students scoring below the required minimums should enroll in LCC 6034, English for International Teaching Assistants and Faculty. This semester-long, noncredit course, offered through the Language and Culture Center, focuses on English pronunciation, including individual sounds, stress, intonation, fluency, and overall comprehensibility; orientation to U.S. academic culture; and teaching skills, including non-verbal communication, explaining, presenting, fielding questions, and leading a discussion. Students will be required to demonstrate English language proficiency at the end of the course at the minimum levels required in #2 above.

As it is not always possible for an applicant to demonstrate proficiency in English prior to arriving on campus, conditional appointment as a graduate student assistant may be extended to allow demonstration of proficiency upon arrival. Such authorization requires the written consent and support of the student's academic advisor and approval by the dean of the college of the student's major as well as the Dean of the Graduate School. Until proof of proficiency is presented, the student may not be assigned to an instructional role.



Types of Graduate Student Assistantships

Teaching Fellow

Teaching fellows (TF) have direct student contact in a formal instructional setting and are charged with the primary responsibility for teaching a course for credit under the direct supervision of a faculty member experienced in the teaching discipline, regular in-service training and planned and periodic evaluations. Teaching fellows are listed as the instructor of record. Appointments at this level normally imply advanced academic status and substantial prior college or university experience. For SACS compliance, TFs should possess at least a master's degree in the teaching discipline or 18 graduate semester hours in the teaching discipline, direct supervision by a faculty member experienced in the teaching discipline, regular in-service training, and planned and periodic evaluations. Graduate students employed as TFs are not allowed to be instructors of record for courses that carry graduate credit. Examples of duties may include, but are not limited to: classroom/laboratory teaching; recitations, lectures, developing syllabi and lesson plans; holding office hours; consulting on group projects, counseling students; tutoring; and leading student tours and field trips.

Teaching Assistant

Teaching assistants (TA) are graduate students who have direct student contact in a formal instructional setting but who do not have primary responsibility for teaching a course for credit; they perform under the instructor's direct supervision and provide general assistance to the instructional process. Teaching assistants may not be listed as instructor of record though they may lecture.

Instructional Assistant (IA)

Instruction assistants (IA) are graduate students who do not have direct instructional duties but assist employing departments with academic courses, programs, projects, or other activities in support of the instructional process.

Research Assistants (RA)

Research Assistants are graduate students who are engaged in research activities (including but not limited to work in the lab or computer work) that support the research mission of the employing unit.

Graduate Assistants

- **Graduate assistants (GA)**
 - Graduate students whose responsibilities may be administrative in nature or consist of other activities that do not generally fit within the RA, TF, TA, or IA job responsibilities. Please note that students employed in this category are considered part-time staff employees under the university personnel system and are thus not eligible for the same benefits as students employed in the TA, TF, and IA categories.
- **Graduate assistant non-exempt (GA-NE)**
 - Graduate students employed in an hourly position and whose job responsibilities may be administrative in nature or consist of other activities that do not generally fit within the RA, RA-TE, TF, TA, or IA job responsibilities.



(The support of teaching represented by Teaching Fellows, Teaching Assistants, and Instructional Assistants is intended to assist faculty instruction. The primary teaching responsibility of the university is vested in the faculty. Students are not allowed to enroll in courses for which they are assigned assistantship responsibilities.)

A graduate or professional student employed in a position with student contact is required to meet the English language proficiency requirement described in the graduate assistantship Qualifications for Appointment.



Appointment Procedures

The appointment of graduate students in graduate student appointment positions is the responsibility of the deans of the colleges and is based upon the recommendations of the departments. The specific offer and all related conditions are the responsibility of the department.

The University of Houston has a standard form that must be used in assigning these appointments. This form is available in each department. Any conditions of appointment beyond those stipulated in the agreement will be specified by the appropriate departmental office.



Definition of Student Contact

An individual who teaches a course for academic credit is engaged in student contact. In addition, any individual who carries out the following within a formal instructional setting -- talks extensively with students about class, course, or lab materials, helps explain course material, leads discussion sections, or holds office hours as part of his/her assigned job duties -- is engaged in student contact.

NOTE: The Academic Support Assistant (ASA) title is only to be used for undergraduate students. ASA are employed by academic support programs (whether in an academic or administrative unit) whose primary duties involve either training or tutoring UH students enrolled in academic degree programs or research activities under the direction and supervision of a faculty member in areas related to the student assistant's degree program. Graduate students may not be hired as Academic Support Assistants.

The following policies applying to all graduate student appointment positions are inclusive, but not exhaustive. Departments and colleges may develop additional policies and procedures.



Mandatory Employment Discrimination Training

All Texas State agencies are required to provide employment discrimination training to employees. The University of Houston is a State agency, and graduate students who are employed by UH in graduate student appointment categories (TA, TF, IA, RA, RA-TE, GA, and GA-NE) must complete all mandatory employment training courses not later than 30 days after they are hired and every year thereafter. These courses are completed through T.A.P. Employee Online Training via AccessUH.



Duration of Appointment

The appointment of a graduate assistant is normally for the full academic year (Fall and Spring terms), although a one-term appointment is possible. Summer employment is not guaranteed and will be based on departmental needs.

A graduate student may be employed in a graduate student appointment position for no more than six long terms (3 years) while classified as a master's student.

A graduate student may be employed in a graduate student appointment position for no more than 10 long terms (5 years) while classified as a doctoral student. Graduate students who pursue both master and doctoral studies at the University of Houston may be employed in a graduate assistantship for no more than twelve terms (6 years).

For those who are employed in graduate student appointment positions and who are pursuing two graduate degrees at the same level (i.e. two master's degrees) consecutively at the University of Houston, the time limitation starts over with the second degree. Therefore, a student who graduates with one master's degree and then pursues a second master's degree is eligible for up to 12 long terms (or six years) while classified as a master's student.



Stipends

The minimum stipend for graduate student assistants pursuing a masters degree is \$600 per month for a 50 percent appointment. For graduate student assistants who have completed a master's program or its equivalent and are enrolled in a doctoral program, the minimum stipend is \$700 per month for a 50 percent appointment. Monthly rates are established each term.



Conditions of Service

The following policies are applicable to all graduate student assistants; departments and colleges may prescribe additional conditions of employment.

1. Satisfactory progress, as defined by the college or department, must be made toward the degree.
2. Graduate student assistants must maintain a full-time course load throughout the term. The minimum full-time course load per semester is nine credit hours for master's students and nine credit hours for doctoral students.
3. Enrollment during the summer semester is not required for graduate student assistants who had full time enrollment during the preceding consecutive fall and spring semesters. If required to be enrolled in the summer semester, six credit hours is considered full time.
4. Graduate student assistants must maintain a cumulative grade point average of 3.00 (A=4.00).
5. Graduate student assistants are normally not allowed to teach courses which carry graduate credit and are not permitted to enroll in courses for which they are assigned assistantship responsibilities.
6. International graduate student assistants must successfully complete and achieve a satisfactory score on a speaking test of English before assuming actual teaching duties. (See section on Qualifications for Appointment.)
7. Graduate student assistants will not be assigned as instructors of record (i.e., having full responsibility for a course) until they have earned a master's degree or its equivalent, have completed 18 graduate semester credit hours in their teaching field, or are enrolled in a doctoral program.
8. While graduate student assistants need to have access to space and facilities to carry out their assignments effectively, it must be recognized that from department to department, there will be constraints that limit these privileges. The following privileges, however, can be listed:
 - a. In addition to the services and facilities available to them as students, graduate student assistants will be issued specific documentation or a faculty/staff identification card entitling them to appropriate parking, library and computer privileges, bookstore discounts, and access to any other privileges that might accrue in the future, and
 - b. Graduate student assistants will have access to a desk and chair, file space, mailbox, and appropriate supplies for the duties assigned. Department conditions allowing, they should have access to a computer, duplicating equipment, and a telephone.
9. Students who are in their final graduating semester, and need fewer than nine (9) credit hours to complete their degree program, may hold an assistantship during that semester upon the approval of the dean of the college or their designee. These students must meet any minimum enrollment requirements in the Graduate Catalog. International students must complete a Reduced Course Load request prior to any such approval. Students who fail to complete their degree requirements in that graduating semester will be required to take nine (9) credit hours in the subsequent Fall and Spring semesters in order to hold an assistantship.
10. If student has applied to graduate, they cannot work past last day of the month for the official closing of the term.
11. Students are expected to be in compliance of these university policies through the duration of their assignment.
12. Exceptions to any of these conditions of service must have the approval of the Dean of the Graduate School.



Insurance Coverage for Graduate Student Assistants

State legislation allows the University of Houston to extend to qualified students holding graduate student appointment positions the option to enroll in the university's group medical insurance programs. All coverage plans are identical to the plans offered to regular benefits-eligible faculty and staff of the University. Students holding graduate student appointment positions are not eligible to participate in state retirement programs and other benefits extended to regular benefits-eligible employees.



Reappointment of Graduate Student Assistantships

Priority for reappointment is to be given to those graduate student assistants making satisfactory progress toward completion of an advanced degree and is based on the quality of performance of assigned duties. The criteria to be used in making reappointments are to include, but not be limited to:

1. A 3.00 minimum cumulative grade point average.
2. The report of the graduate advisor or coordinator.
3. A formal evaluation by the faculty mentor supervising the graduate student assistant's work.
4. The length of time in an assistantship position.
5. The length of time in the degree program. Reappointments are not automatic for assistants; final decisions will be based on departmental needs and availability.



Libraries

The University of Houston libraries include:

- the M.D. Anderson Library (the main library),
- the William R. Jenkins Architecture and Art Library,
- the O'Quinn Law Center Library,
- the Music Library,
- the Health Sciences Library, and
- the Hospitality Industry Archives

These libraries constitute a premier research facility with large collections in both print and electronic formats. These collections consist of over 3.2 million volumes, 170,000 journals, as well as access to manuscripts, maps, electronic datasets and tens of thousands of digitized images of unique items.

The M.D. Anderson Library is open more than 100 hours a week. Reference service, available more than 70 hours a week, provides users with assistance in locating information and resources. Subject librarians in all major disciplines offer specialized reference and research assistance, conduct classes for undergraduate and graduate students, and develop the library collections in their subject areas.

The Academic Research Center (ARC) is a computer lab located on the first floor of the MD Anderson Library focusing on the research and study needs of students, faculty, and staff at the University of Houston. The lab contains a mix of Apple and Windows machines, loaded with basic productivity software including MS Office. These computers are available on a first-come, first-served basis.

The Learning Commons is a computer lab in the first floor of MD Anderson Library that caters to high-end multimedia and collaborative needs. This space is intended for group work and collaboration. These computers may be reserved up to a week in advance via the library's website or the reservation station in the lab. Assistance with software and hardware questions is available in the Technology Consultation Room.

The Learning Commons also contains 2 multimedia studios for producing professional audio, and a Makerspace with available in-library oscilloscope, multimeter and power supply. Additional Makerspace kits and equipment are available for checkout from the Service Desk.

The Digital Research Commons (DRC), located on the second floor of the MD Anderson Library, cultivates digital research projects and exposes the campus community to new and emerging digital methodologies, including digital humanities, GIS, and other digital scholarship topics.

A valid CougarNet account is required to use computers in the labs.

The library's Technology Training Program offers free instructor-led technology courses to current UH students, staff and faculty. Topics include Microsoft Office, Adobe Creative Suite, numerical software (i.e. SPSS and MATLAB) and web design, among others. Classes are offered year-round and are held in room 106-P on the first floor of MD Anderson Library. Please visit the library's training page at info.lib.uh.edu/training for more information or to enroll in classes.

The UH Libraries Instruction Program supports the student success goals of the University by developing and strengthening students' research and information skills through a combination of instruction methods. Librarians can provide course-related instruction classes, collaborate on research assignment design, and develop online learning tools to teach research skills. A wide-variety of online research guides are readily available from the libraries' website (libraries.uh.edu/guides). Subject librarians also offer an ever expanding range of instruction support on research topics including data management, data visualization, citation management tools, information about impact factors, and more.

The M.D. Anderson Library contains a collection with particular strengths in science, engineering, education, psychology, and business. The library is a depository for both United States and Texas state documents.



The Special Collections Department of the Library houses rare books, University Archives, and strong collections including:

- Architecture & Planning Research Collection
- Carey Shuart Women's Research Collection
- Contemporary Literature Research Collection
- Energy & Sustainability Research Collection
- Hispanic Research Collection
- Houston Hip Hop Research Collection
- Houston & Texas History Research Collection
- LGLBT Research Collection
- Performing & Visual Arts Research Collection

An online library catalog provides information about the collections of the University of Houston libraries as well as those of the UH Law Library, the UH-Downtown Library, and the UH-Clear Lake Library. The online catalog may be searched from remote sites through the campus network or the Internet. University of Houston students may borrow materials from all University of Houston System libraries. The online catalog provides information about the collections of the University of Houston libraries as well as those of the UH Law Library, the UH-Downtown Library, and the UH-Clear Lake Library. The online catalog may be searched from remote sites through the campus network or the Internet. University of Houston students may borrow materials from all University of Houston System libraries.

In addition to this large size and scope, the university libraries extends its collection by participating in a number of resource sharing networks. On the state level, the university's membership in the TexShare cooperative program provides access to some of the most popular databases. Traditional collections of books and journals are available through the TexShare library card program. This allows students, faculty, and staff of the university to borrow items at over 130 libraries statewide. At a national and international level, the university's membership in the Center for Research Libraries provides shared ownership of more than three million research materials. Online access to the cataloging records of more than 32 million items in 30,000 libraries worldwide is also available. Students may borrow materials from other research libraries in the United States and abroad through the Interlibrary loan program. The library is one of 120 membership partners of the HathiTrust Digital Library providing access to a digital collection of over 15 million volumes.

The Health Sciences Library opened in the spring of 2018. The Health Sciences Library supports the Colleges of Nursing, Pharmacy and Optometry. The library occupies 5,941 square feet on the second floor of a new health and biomedical sciences building. It also has four group study rooms, a computer lab, computer classroom and a reading room. The majority of the collection is online, however there is space for reserve materials, reference books and anatomical models. The faculty and graduate students in health science fields have access to the Houston Academy of Medicine-Texas Medical Center Library with a collection of more than 359,000 books and journals, 100 electronic databases and over 4,000 electronic journals.

M.D. Anderson Library

Click the M.D. Anderson Library link for more information.

Dean of the Libraries: Lisa German

Associate Dean for Resource Management: John Lehner

Associate Dean for Academic and Research Services: Marilyn Myers

Click here for a full list of librarians.

William R. Jenkins Architecture and Art Library



Click the William R. Jenkins Architecture and Art Library link for more information.

Coordinator: Catherine Essinger

John M. O'Quinn Law Library

Click the John M. O'Quinn Law Library link for more information.

Director: Amanda Watson

Music Library

Click the Music Library link for more information.

Coordinator: Stephanie Lewin-Lane

Conrad N. Hilton Library

Click the Conrad N. Hilton Library link for more information.

Click the Hospitality Industry Archives link for more information.

Health Sciences Library

Click the Health Sciences Library link for more information.

Director: Rachel Helbing



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The Graduate School

The Graduate School cultivates and supports academic excellence in graduate and professional education at the University of Houston.

The University of Houston is a Carnegie Tier One Research University hosting an array of graduate and professional degrees in the Colleges of Architecture & Design, the Arts, Business, Education, Engineering, Hotel & Restaurant Management, Law, Liberal Arts & Social Sciences, Natural Sciences & Mathematics, Nursing, Optometry, Pharmacy, Social Work, and Technology. These colleges and schools offer over 150 masters, doctoral and professional degrees.

For more information about The Graduate School, please visit their website.

Office of the Dean:

(713) 743-5284
102 Ezekiel W. Cullen Bldg

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Sarah C. Larsen, BA, Bowdoin College; PhD, Harvard University

Director:

Shari Corprew, BA, Florida State University

Assistant Director, Graduate Programs and Student Records:

Tashemia V. Jones, MLA, Texas Christian University; Ed.D., Texas Tech University

Assistant Director for Graduate & International Admissions:

Shawn Washington, BA, Baylor University; MBA, University of Phoenix



Architecture & Design

Programs

Master

- Architectural Studies, MA
- Architecture, MArch - Level I
- Architecture, MArch - Level II
- Architecture, MS
- Industrial Design, MS



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William R. Jenkins Architecture and Art Library

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Associate Dean:

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Assistant Dean/Director of Student Affairs & International Programs:

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Director of Graduate Studies:

Gail Peter Borden, FAIA, B.A., Rice University; B.Arch., Rice University., M.Arch., Harvard University Graduate School of Design.

Advising:

Students seeking assistance with specific admissions or programmatic questions may contact an Academic Advisor by calling (713) 743-3463.

General Information



The Gerald D. Hines College of Architecture and Design at the University of Houston seeks applicants who are curious, committed, and creative. Dedication and inventiveness are necessary to undertake the challenges of architectural practice in a changing world where diminishing natural resources, rapid urbanization, and changing economic conditions need to be addressed. We strive to educate students to become critical thinkers.

The college offers professional, post-professional and advanced study degree programs in architecture and industrial design. Advanced study concentrations are available in Urban/Suburban Design, Sustainable Design, Digital Fabrication, Digital Media, Sustainable Urban Systems and History/Theory. International summer study programs are available in Asia, Europe and Latin America. A student exchange program with the Technical University Graz, Austria, is in place.

We are located just southwest of downtown Houston, the fourth largest city in the United States with a diverse and vibrant international economy. Houston provides a fertile environment to understand the challenges of designing in a contemporary city.

Accreditation

In the United States, most state registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. The National Architectural Accrediting Board (NAAB), which is the sole agency authorized to accredit U.S. professional degree programs in architecture, recognizes three types of degrees: the Bachelor of Architecture, the Master of Architecture, and the Doctor of Architecture. A program may be granted a four and eight year term of accreditation, depending on the extent of its conformance with established educational standards. The College of Architecture and Design program has earned an eight year accreditation term.

Doctor of Architecture and Master of Architecture degree programs may consist of a pre-professional undergraduate degree and a professional graduate degree that, when earned sequentially, constitute an accredited professional education. However, the pre-professional degree is not, by itself, recognized as an accredited degree. The Gerald D. Hines College of Architecture and Design graduate program at the University of Houston offers the following NAAB-accredited degree programs:

- **M.Arch. (pre-professional degree + 60 graduate credits)**
- **M.Arch. (non-pre-professional degree + 97 credits)**



Admission Requirements: College of Architecture

Each person seeking admission to the graduate programs in the Gerald D. Hines College of Architecture and Design must meet the general requirements for graduate study at the University of Houston, and must submit an application for graduate studies, two copies of all official transcripts, GRE scores, and three letters of recommendation, as well as a resume and a completed Applicant Questionnaire. The applicant should refer to the University of Houston and College of Architecture and Design website for detailed information.

Application Fee

In addition to the general requirements outlined above, the applicant should refer to the specific application requirements for the entrance level appropriate to his or her background. The College of Architecture and Design requires a \$50 graduate application fee. International applicants must submit an additional \$75 in addition to the \$50 graduate application fee.



Scholastic Requirements: College of Architecture and Design

In addition to maintaining a cumulative grade point average at or above the minimum of 3.0, graduate students are normally expected to complete all course requirements, or the approved equivalents, in each term of each level before proceeding to the next term of the design studio sequence. Deviations from the normal course sequence must be approved by the Director of Graduate Studies.

Students who do not maintain satisfactory academic progress are at risk of being placed on academic probation for up to two consecutive terms, and termination from the graduate program.

In addition, the University of Houston and the College of Architecture and Design require that graduate students in the College of Architecture and Design maintain the following standard with respect to grades of C+ or lower:

- For Master of Science and Master of Arts entrants, a maximum of 12 hours of grades of C+ or lower are allowed.
- For Level II Master of Architecture entrants, a maximum of 12 hours of grades of C+ or lower are allowed.
- For Level I Master of Architecture entrants, a maximum of 12 hours of grades of C+ or lower are allowed.

Any student exceeding these limits will be dropped from the program and will not be allowed to re-enroll for a graduate degree at the University of Houston.



Gerald D. Hines College of Architecture and Design

Gerald D. Hines College of Architecture and Design

Master of Architecture

Architecture, MArch - Level I

Program Requirements

Course of Study:

All Level I entrants must earn a minimum of 99 credit hours of approved study that include the course work described below. Some students may have already taken university courses meeting or exceeding the requirements described below. For such students, the curriculum may be modified by substitution of electives for courses previously taken at another institution. The appropriate area coordinator and the Director of Graduate Studies must approve any petitions for substitutions in the degree plan. Students with deficiencies may be required to undertake additional course work.

Students must obtain approval of their individual degree plan before the conclusion of the first term of enrollment.

Admission Requirements

- See Also: University Admission and Registration

Applicants should complete the online graduate application process found at How to Apply, including a non-refundable application fee. Additionally, applicants should submit a portfolio directly by mail to the College of Architecture & Design Graduate Admissions Office.

- **Portfolio Requirements**
 - **Purpose**
 - The portfolio allows reviewers to determine an applicant's potential for success in a studio based design curriculum. Evidence of creative work is not limited to Architecture, Interior Architecture, or Industrial Design work. Examples of creative work may include designs, drawings, photographs, paintings, sculpture, writing, or other creative pursuits. Please include a brief explanation of work submitted.
 - **Portfolio Content - Master of Architecture Level I**
 - The portfolio is not expected to show architectural skills. Rather, it should contain work that demonstrates facility with a variety of media and illustrates three-dimensional understanding. Applicants may demonstrate their creative, artistic, and perceptual skills through painting, sculpture, or other three-dimensional explorations. Photography as an example of creative work must demonstrate intention in composition, color/light, or other critical points of view.
 - **Portfolio Format**
 - The current requirements for the design and format of the admissions portfolio are found on the College of Architecture & Design website: <http://www.uh.edu/architecture/future-students/graduate/domestic/#portfolio>

Level I Curriculum



99 Credit Hours

Year One

Fall, Level I

- **[Pre-Term]** ARCH 6301 - Visual Studies I **Credit Hours: 3.00**
- ARCH 6340 - Architectural History Survey I **Credit Hours: 3.0**
- ARCH 6A20 - Environmental Technology 1 **Credit Hours: 1.5**
- ARCH 6A22 - Construction Technology I **Credit Hours: 1.5**
- ARCH 6302 - Visual Studies II **Credit Hours: 3.00**
- ARCH 6600 - Architecture Design Studio I **Credit Hours: 6.0**

Spring, Level I

- ARCH 6341 - Architectural History Survey II **Credit Hours: 3.0**
- ARCH 6A21 - Environmental Technology 2 **Credit Hours: 1.5**
- ARCH 6A23 - Construction Technology 2 **Credit Hours: 1.5**
- ARCH 6357 - Contemporary Theory and Critical Practice **Credit Hours: 3.0**
- ARCH 6601 - Architecture Design Studio II **Credit Hours: 6.0**

Summer, Level I

- ARCH 6303 - Visual Studies III **Credit Hours: 3.0**
- ARCH 6602 - Arch Design/Build Workshop **Credit Hours: 6.0**

Year Two

Fall, Level II

- ARCH 6304 - Visual Studies IV **Credit Hours: 3.0**
- ARCH 6A48 - Environmental Technology 3 **Credit Hours: 1.5**
- ARCH 6A50 - Construction Technology 3 **Credit Hours: 1.5**
- ARCH 6359 - Modern Architecture & Urbanism **Credit Hours: 3.0**
- ARCH 6603 - Architecture Design Studio III **Credit Hours: 6.0**

Spring, Level II

- ARCH 6376 - Urban Determinants **Credit Hours: 3.0**
- Architectural Seminar Elective I *
- ARCH 6A49 - Environmental Technology 4 **Credit Hours: 1.5**
- ARCH 6A51 - Construction Technology 4 **Credit Hours: 1.5**
- ARCH 6604 - Architecture Design Studio IV **Credit Hours: 6.0**



Year Three

Fall, Level III

- ARCH 6360 - Practice of Arch **Credit Hours: 3.0**
- ARCH 6393 - Master's Project Preparation **Credit Hours: 3.0**
- ARCH 6361 - Integrated Practice: Material Representation and Detailing **Credit Hours: 3.00**
- ARCH 7600 - Architecture Design Studio V **Credit Hours: 6.0**

Spring, Level III

- Architectural Seminar Elective II *
- Elective/Independent Research *
- Elective/Independent Research *
- ARCH 7601 - Architecture Design Studio VI **Credit Hours: 6.0**

Note(s):

*Courses to be selected with graduate advisor and with approval of the Director of Graduate Studies.

Academic Policies

- University of Houston Academic Policies
- Scholastic Requirements: College of Architecture and Design

Architecture, MArch - Level II

Program Requirements

Course of Study:

All Level II entrants must earn a minimum of 60 credit hours of approved study that include the course work described below. Since students entering the program at Level II already hold a degree in architecture or environmental design, some of the requirements described below may have been met in advance. For such students, the curriculum may be modified by substitution of electives for courses previously taken at another university. The appropriate area coordinator and the Director of Graduate Studies must approve any petitions for substitutions in the degree plan. Students with deficiencies may be required to undertake additional course work.

Students must obtain approval of their individual degree plan before the conclusion of the first term of enrollment.

Admission Requirements

- See Also: University Admission and Registration

Applicants should complete the online graduate application process found at How to Apply, including a non-refundable application fee. Additionally, applicants should submit a portfolio directly by mail to the College of Architecture & Design Graduate Admissions Office.



- **Portfolio Requirements**

- **Purpose**

- The portfolio allows reviewers to determine an applicant's potential for success in a studio based design curriculum. Evidence of creative work is not limited to Architecture, Interior Architecture, or Industrial Design work. Examples of creative work may include designs, drawings, photographs, paintings, sculpture, writing, or other creative pursuits. Please include a brief explanation of work submitted.

- **Portfolio Content - Master of Architecture Level II**

- Applicants should submit examples of work demonstrating an ability to pursue study at an advanced level. The portfolio should be of high quality and provide evidence of well-developed graphic skills, a sense of design, and an understanding of space, form, and volume at different scales. The review committee assumes the portfolio represents the applicant's best abilities in design.

- **Portfolio Format**

- The current requirements for the design and format of the admissions portfolio are found on the College of Architecture & Design website at <http://www.uh.edu/architecture/students/prospective-students/graduate/>

Level II Curriculum

60 Credit Hours

Year One

Fall, Level II

- ARCH 6376 - Urban Determinants **Credit Hours: 3.0**
- ARCH 6359 - Modern Architecture & Urbanism **Credit Hours: 3.0**
- ARCH 6603 - Architecture Design Studio III **Credit Hours: 6.0**

Spring, Level II

- ARCH 6604 - Architecture Design Studio IV **Credit Hours: 6.0**

Year Two

Fall, Level III

- ARCH 6360 - Practice of Arch **Credit Hours: 3.0**
- Architecture History Elective
- ARCH 6393 - Master's Project Preparation **Credit Hours: 3.0**
- ARCH 7600 - Architecture Design Studio V **Credit Hours: 6.0**

Spring, Level III

- Architectural Seminar Elective II *
- Elective/Independent Research *
- Elective/Independent Research *



- ARCH 7601 - Architecture Design Studio VI **Credit Hours: 6.0**

Note(s):

*Courses to be selected with graduate advisor and with approval of the Director of Graduate Studies

Academic Policies

- University of Houston Academic Policies
- Scholastic Requirements: College of Architecture and Design

Master of Arts

Architectural Studies, MA

Students pursuing the Master of Arts in Architectural Studies must have earned a four-year Bachelor's degree from an accredited university. Students must also select one of the areas of advanced study as listed. The Master of Arts in Architectural Studies is an advanced degree. It is not a post-professional degree.

- For more information please view Master of Arts in Architectural Studies.

Admission Requirements

- See Also: University Admission and Registration

Applicants should complete the online graduate application process found at How to Apply, including a non-refundable application fee. Additionally, applicants should submit a portfolio directly by mail to the College of Architecture & Design Graduate Admissions Office.

- **Portfolio Requirements**
 - **Purpose**
 - The portfolio allows reviewers to determine an applicant's potential for success in a studio based design curriculum. Evidence of creative work is not limited to Architecture, Interior Architecture, or Industrial Design work. Examples of creative work may include designs, drawings, photographs, paintings, sculpture, writing, or other creative pursuits. Please include a brief explanation of work submitted.
 - **Portfolio Content - Architectural Studies**
 - Applicants should submit examples of work demonstrating an ability to pursue study at an advanced level. The portfolio should be of high quality and provide evidence of well-developed graphic skills, a sense of design, and an understanding of space, form, and volume at different scales. The review committee assumes the portfolio represents the applicant's best abilities in design.
 - **Portfolio Format**
 - The current requirements for the design and format of the admissions portfolio are found on the College of Architecture & Design website at <http://www.uh.edu/architecture/students/prospective-students/graduate/>.

Degree Requirements

Course of Study:



Students must have a minimum of 30 credit hours of approved study that include the following:

- 15 credit hours in advanced, prescribed courses as described below.
- 15 credit hours of elective study approved by the Director of Graduate Studies.

Students must obtain approval of their degree plans, including electives, before the conclusion of the first term of enrollment.

Some prerequisites may be required.

Year One

Fall

- ARCH 6393 - Master's Project Preparation **Credit Hours: 3.0**
- ARCH X3XX: Elective/Independent Research*
- ARCH X3XX: Elective/Independent Research*
- ARCH 7600 - Architecture Design Studio V **Credit Hours: 6.0**

*Courses must be selected with a graduate academic advisor and with the approval of the director of Graduate Studies.

Spring

- ARCH X3XX: Elective/Independent Research*
- ARCH X3XX: Elective/Independent Research*
- ARCH X3XX: Elective/Independent Research*
- ARCH 7603 - Master's Project **Credit Hours: 6.0**

*Courses must be selected with a graduate academic advisor and with the approval of the director of Graduate Studies.

Academic Policies

- University of Houston Academic Policies
- Scholastic Requirements: College of Architecture and Design

Master of Science

Architecture, MS

Students pursuing the Master's of Science in Architecture must have earned a Bachelor of Architecture or equivalent professional degree from an accredited university. Students must also select on of the areas of advanced study as listed. The Master of Science in Architecture is a post-professional degree.

For more information, please view Master of Science in Architecture.

Admission Requirements



Applicants should complete the online graduate application process found at www.uh.edu/graduate-school/admissions/how-to-apply, including a non-refundable application fee (\$50 domestic/\$125 international). Additionally, applicants should submit a portfolio directly by mail to the College of Architecture & Design Graduate Admissions office.

Portfolio Requirement

Purpose

The portfolio allows reviewers to determine an applicant's potential for success in a studio based design curriculum. Evidence of creative work is not limited to Architecture, Interior Architecture, or Industrial Design work. Examples of creative work may include designs, drawings, photographs, paintings, sculpture, writing, or other creative pursuits. Please include a brief explanation of work submitted.

Portfolio Content

Applicants should submit examples of work demonstrating an ability to pursue study at an advanced level. The portfolio should be of high quality and provide evidence of well-developed graphic skills, a sense of design, and an understanding of space, form, and volume at different scales. The review committee assumes the portfolio represents the applicant's best abilities in design.

Portfolio Format

The current requirements for the design and format of the admissions portfolio is found on the College of Architecture & Design website at Graduate Studies.

Degree Requirements

Credit hours required for this degree: 36.0

Students must have a minimum of 36 credit hours of approved study that include the following:

- 15 credit hours in advanced, prescribed courses as described below.
- 21 credit hours of elective study approved by the Director of Graduate Studies. Students must obtain approval of their degree plans, including electives, before the conclusion of the first semester of enrollment.

Some prerequisites may be required. Entering students must obtain approval of their degree plans before the ends of the first semester.

Fall

- ARCH 6393 - Master's Project Preparation **Credit Hours: 3.0**
ARCH X3XX: Elective/Independent Research*
ARCH X3XX: Elective/Independent Research*
ARCH X3XX: Elective/Independent Research*
- ARCH 7600 - Architecture Design Studio V **Credit Hours: 6.0**

Spring

- ARCH X3XX: Elective/Independent Research*
ARCH X3XX: Elective/Independent Research*
ARCH X3XX: Elective/Independent Research*
ARCH X3XX: Elective/Independent Research*
- ARCH 7603 - Master's Project **Credit Hours: 6.0**



Academic Policies

- University of Houston Academic Policies
- Scholastic Requirements: College of Architecture and Design

Industrial Design, MS

The program for the Master of Science in Industrial Design degree is a two-year curriculum of 36 term hours.

The graduate program offers a new perspective on creativity, product and system development, services and environment with an emphasis on interdisciplinary studies: design for health, design for sustainability, and design for the world community. Before the first term of graduate study, a personalized curriculum is developed to meet a student's research topic and interdisciplinary study plan. In conjunction with the required courses, elective courses may be taken in the College of Architecture, Bauer College of Business, College of Engineering, College of Hotel Restaurant and Management or other departments and colleges of the university in order to complete a personalized program of study.

Students can achieve Entrepreneurship Certificate from the Bauer College of Business.

The Entrepreneurship Certificate is a joint endeavor between the Industrial Design program at the College of Architecture and the Department of Marketing & Entrepreneurship at the Bauer College of Business, ranked as one of the top entrepreneurship programs in the nation. This certificate program provides a series of courses in entrepreneurship and the business skills necessary to commercialize new design opportunities. Students have additional business content that is not typically offered in Master of Industrial Design studies and more start up content than a traditional MBA.

Degree Plan: Personalized Program of Study

The personalized graduate degree plan will be developed in consultation with the Director of the Industrial Design program in order to meet students' individual research goals.

Admission Requirements

- See Also: University Admission and Registration

Applicants should complete the online graduate application process found at How to Apply, including a non-refundable application fee. Additionally, applicants should submit a portfolio directly by mail to the College of Architecture & Design Graduate Admissions Office.

- **Portfolio Requirements**
 - **Purpose**
 - The portfolio allows reviewers to determine an applicant's potential for success in a studio based design curriculum. Evidence of creative work is not limited to Architecture, Interior Architecture, or Industrial Design work. Examples of creative work may include designs, drawings, photographs, paintings, sculpture, writing, or other creative pursuits. Please include a brief explanation of work submitted.
 - **Portfolio Content - Industrial Design**
 - Applicants should submit examples of work demonstrating an ability to pursue study at an advanced level. The portfolio should be of high quality and provide evidence of well-developed graphic skills, a sense of design, and



an understanding of space, form, and volume at different scales. The review committee assumes the portfolio represents the applicant's best abilities in design.

- **Portfolio Format**
 - The current requirements for the design and format of the admissions portfolio are found on the College of Architecture & Design website at <http://www.uh.edu/architecture/students/prospective-students/graduate/>.

Degree Requirements

Prior Degree Information:

Candidates who do not have an undergraduate degree in industrial design are advised to take an additional 17 credits focusing on the development of fundamental design thinking and visualization skills. The Director of Industrial Design program and instructors will advise and approve appropriate courses including undergraduate industrial design studios.

Prospective Degree Plan, Entrepreneurial Design and Technology (MS in Industrial Design with Entrepreneurship Certificate)

First Year

Fall

- INDS 6340 - Advanced Design Materials **Credit Hours: 3.0**
- INDS 6350 - Design Studies **Credit Hours: 3.0**
- INDS 6360 - Industrial Design Studio **Credit Hours: 3.0**
- ENTR 7336 - Entrepreneurship Overview **Credit Hours: 3.0 ***

Spring

- INDS 6345 - Advanced Human Factors **Credit Hours: 3.0**
- INDS 6355 - Integrated Design Research **Credit Hours: 3.0**
- ENTR 7337 - Entrepreneurship Capital & Legal Forms **Credit Hours: 3.0 ***

Second Year

Fall

- INDS 7300 - Design Thesis I **Credit Hours: 3.0**
- INDS 6330 - Computer Aided Industrial Design II **Credit Hours: 3**
- ENTR 7381 - Technology Commercialization **Credit Hours: 3.0 ***

Spring

- INDS 7301 - Design Thesis II **Credit Hours: 3.0**
- ENTR 7383 - Technology Commercialization Projects **Credit Hours: 3.0 ***



Program Concentration Notes

*Students can achieve a Certificate of Entrepreneurship from C.T. Bauer College of Business with 3 courses:

1. Entrepreneurship Overview
2. and ANY TWO of
 - ENTR 7337 - Entrepreneurship Capital & Legal Forms,
 - ENTR 7381, ENTR 7383 - Technology Commercialization Projects,
 - FINA 7326 - Private Equity and Investment Banking.

Prospective Degree Plan, Design Research and Development

First Year

Fall

- INDS 6350 - Design Studies **Credit Hours: 3.0**
- INDS 6360 - Industrial Design Studio **Credit Hours: 3.0**
- INDS 6330 - Computer Aided Industrial Design II **Credit Hours: 3**
- INDS 6340 - Advanced Design Materials **Credit Hours: 3.0**

Spring

- INDS 6345 - Advanced Human Factors **Credit Hours: 3.0**
- INDS 6355 - Integrated Design Research **Credit Hours: 3.0**

Second Year

Fall

- INDS 7300 - Design Thesis I **Credit Hours: 3.0**
- Architectural Seminar Elective*

Spring

- INDS 7301 - Design Thesis II **Credit Hours: 3.0**
- INDS 6397 - Selected Topics **Credit Hours: 3**

Program Concentration Notes

*Students can expand design research in the context of space architecture and extreme environment from Master of Science in Space Architecture program:

- ARCH 6201 - Main Systems Integration I ,
- ARCH 6203 - Spacecraft and Habitat Design I ,



- *ARCH 6204 - Spacecraft and Habitat Design II .*

Academic Policies

- University of Houston Academic Policies
- Scholastic Requirements: College of Architecture and Design



International Programs

The Gerald D. Hines College of Architecture and Design offers its students the opportunity to study in various countries in Asia, Europe and Latin America. Students participating in one of our study abroad programs can expect to be immersed in the local culture, on-site visits and studio experience to further their studies in architecture design.

The College offers both faculty-led and exchange programs for students to participate.

Study abroad programs include travel and studies in Chile, Argentina, Italy, Austria, Spain, China and other international destinations such as Brazil, Costa Rica, India and Vietnam.

Exchange programs are also offered for students to study for up to one year in another country. Past exchanges have been offered through partner institutions in France, Chile, Russia and Austria. These programs are ideal for students who are self-directed, motivated and can quickly adapt to diverse and unfamiliar settings. Foreign language proficiency is recommended.

International Internships

The College has an established, long-standing internship available through the sponsorship of Gerald D. Hines. Named the Hines Internship, students selected to participate have the opportunity to work in Barcelona, Spain for Enric Miralles-Benedetta Tagliabue Arquitectes (EMBT).

Additional information may be found at the College of Architecture website.



Architecture Library & Research Centers

William R. Jenkins Architecture and Art Library

The Architecture and Art Library, located within the college, houses a collection of more than 70,000 books and periodical volumes in the disciplines of architecture and art. The library's online catalog provides easy access to the collection of the Architecture and Art Library, as well as the holdings of the campus and system libraries. Subject access to articles in the last 20 years of architecture journals is available through the Avery Index on CD-ROM. The Architecture and Art Library Special Collections include the personal libraries of architects John F. Staub and Kenneth Franzheim, FAIA.

The Burdette Keeland Jr. Design Exploration Lab

The Keeland Jr. Design Exploration Lab houses an extensive collection of the latest digital fabrication equipment, including 3D printers, laser cutters, computer-controlled routers and vacuum molding equipment. It also contains areas for the more conventional processes of steel cutting and welding, and an exceptionally well-equipped woodshop. This extraordinary facility is emblematic of the Colleges' commitment to the craft and the processes of making as cornerstones of design exploration and the art of construction.

Research Centers and Institutes

The Gerald D. Hines College of Architecture and Design offers many opportunities for students to be involved in classes and research programs which are of special significance to the community and the profession. These activities are found within the resource areas of the College and include:

1. Design LAB generates preliminary design studies and research and development work across the disciplines of architecture, planning, and industrial design.
2. The Community Design Resource Center works to address issues of community development, design, planning, affordable housing and civic projects in partnership with communities.
3. University of Houston Green Building Components (UHGBC) seeks to advance the design and implementation of sustainable, renewable, green building components and technologies across the architecture, engineering, and construction industries, increasing the presence of sustainable technology in the built environment.
4. The Computer Design Laboratory, established in 1983, extends its mission beyond teaching computer literacy to include academic research and practical investigation of the computer as an architectural design tool, with emphasis placed on modeling, visualization and animation. The Materials Research Collaborative (MRC) serves as a materials resource for material discovery, innovation, instruction, and research. The MRC has developed a web-based database that catalogs the physical samples, and researching and inputting data regarding the specific extrinsic and intrinsic properties of these materials. The MRC is also engaged in specific material research projects such as a database of local materials, LEED v 4 consulting, and carbon emissions analysis of buildings.



Faculty: College of Architecture

Professors:

Leonard Bachman, Larry Bell, Geoffrey Brune, Gail Peter Borden, Joseph Colaco, Donna Kacmar, EunSook Kwon, Rafael Longoria, Patricia Oliver, Patrick Peters, Bruce Race, Shafik Rifaat, Ronnie Self, Peter Zweig

Associate Professors:

Alan Bruton, Tom Diehl, Dietmar Froehlich, Matthew Johnson, Susan Rogers, William Truitt

Assistant Professors:

Jorge Dorribo-Camba, George Chow, Feng Feng, Saleh Kalantari, Lannis Kirkland, Michael Kubo, Ziad Qureshi, Marta Rodriguez

Lecturers:

Adams, Vera A., Ahmadi, Nooshin, Bellian, John, Burrow, Robert W., Chapman, Sharon, Chlebus, David, Dean, Amanda H., deVega, Jim, Dudley, Drew, Fleshman, Fredric J., Fong, Joseph C., Fonseca, Sofia Y, Fox, Stephen, Gonzales, Michael A., Hager, Jesse, Huynh, Chan Q., Jackson, Megan H., Kimbrough, Mark S., Kweton, Paul, Laos, Nora, Logan, Jason, Marrin, Elizabeth, Martinez, Marcus, Noldt, Peter, Oliver, Christopher N., Orta, Luisa, Plauché, Roya, Robbins, Joshua D., Robertson, Christopher N., Sarai, Jasleen, Skaggs, Paul, Smith, Joshua, Story, Kevin J., Taylor, Rives, Thomas, James, B., Tsai, John H., Tucker de Vazquez, Sheryl, Turner, Drexel, Vanlandingham, Joshua J., Vos, Gordon A., Wells, Adam C, Yu, Maria H.



Kathrine G. McGovern College of the Arts

School of Art

Master of Arts

Art History, MA

A core principle of the University of Houston's Art History graduate program is flexibility, making it both dynamic and interdisciplinary. The M.A. in Art History at the University of Houston provides the graduate student with a firm grounding in the discipline of art history coupled with the riches of major art institutions in a dynamic urban art world. The program is designed with a minimal number of required courses to give students the opportunity to design a program that best suits their individual needs and aspirations. In addition to art history, specializations are also available in Curatorial and Theoretical Perspectives or in Art Criticism and Writing, with thesis and non-thesis tracks in each.

Through its uniquely wide-ranging and diverse options for coursework and internships, the UH program enables students to pursue a large number of career options. Graduates of the UH Master's program in art history will be well-prepared to go on to seek the Ph.D. in art history, or, alternatively, to pursue careers not requiring the Ph.D. in art museums, collections, or galleries; in art criticism and writing; or to combine additional credentials for a career in arts librarianship, arts management or art education.

Our expansive view of art history leads us to seek candidates with a variety of interests and backgrounds. Though applicants must demonstrate an understanding of art historical research and writing practices through a writing sample, an undergraduate degree in Art History is not required

For further information, please see the MA in Art History web page.

Admission Requirements

Applicants to the MA Program must submit the following:

- A completed online application available at <http://www.uh.edu/graduate-school/admissions/how-to-apply/> including upload of documents and application fee payment.
- Non-refundable application fee (\$75 domestic applicants/\$150 international applicants)
- Official transcript from each college or university attended since high school (sent directly to the Graduate School)
- GRE Scores, less than 5 years old (sent electronically to the University of Houston - code 6870)
- 3 recommendations from those who are familiar with your academic work, at least one of which should concern your work in art history.
- A resume of academic and work experience
- Statement of intent stating academic interests within the field of art history and career goals
- One sample of academic writing (7-20 pages) can be attached during the online application process. It should be formatted as a pdf.
- International student have additional documentation and/or test score requirements. Full details can be found at www.uh.edu/graduate-school/admissions/international-students/

Degree Requirements



Credit hours required for this degree: 36.0

There are two plans under which graduate students can earn a Master of Arts in Art History.

- MA Plan I: 30 hours of coursework and 6 hours of approved thesis hours and written and defended thesis.
- MA Plan II: 33 hours of coursework and 3 hours of capstone examination preparation and satisfaction.

PLAN I: THESIS TRACK

The Plan I thesis track requires the completion of a thesis approved by three faculty committee members. The thesis advisor is chosen during the Spring Semester of the first year. The thesis may take the form of a written thesis or a curatorial project.

PLAN II: CAPSTONE EXAMINATION

The Plan II track student will take a series of exams over the course of two days which will be evaluated by a committee of three faculty members approved by the Graduate Program Director in Art History. This examination will normally be taken during the last semester of coursework. The decision to pursue this path will be made by the First Semester of the Second Year.

Required Courses

A minimum of 36 graduate-level credits are required for the MA degree II. All MA students are strongly encouraged to pursue a broad background in art history outside of their thesis concentration area.

- ARTH 7380 - Graduate Art History Methods I **Credit Hours: 3.0**
- ARTH 7381 - Graduate Art History Methods II **Credit Hours: 3.0**

Art History (12.0 hours)

- Six hours in Art History Pre-1400 (chosen from Ancient, Pre-Columbian, Medieval)
- Three hours in Art History 1400-1850
- Three hours in Art History 1850-present

Related Arts (18.0 hours)

These courses may be a combination of art-history and non-art history courses to enrich their their understanding of the period, including possible relevant graduate work in Philosophy, Literature, History, Women's Studies, Anthropology, Latino Studies, etc.

If a student is writing a thesis, 6 hours (ARTH 6399 & ARTH 7399) will be applied to 'Related Arts' Non-thesis track students will apply 3 hours of independent study (ARTH 7398) in preparation of question area topics and in-depth directed study with a faculty member. Internship hours are applied as hours in related arts.


Academic Policies

- University of Houston Academic Policies
- Academic Policies: College of the Arts

FOREIGN LANGUAGE REQUIREMENT

A student must demonstrate reading proficiency in a foreign language. There are several methods by which this can be satisfied:



- Score of 550 or higher on the Graduate Student Foreign Language Test (GSFLT)
- A grade of B or better in two graduate (6000-level) readings courses in the foreign language. A grade of B- will not be accepted.
- Completion of beginning and intermediate college levels (four semesters) of foreign language with a grade of B or better in the last five years. (Placing out of beginning courses may be considered as fulfilling part of the requirement.) Two undergraduate courses plus a 300-word passage translation can also meet this requirement.
-  Certification of competency by the Art History Faculty through an translation examination of a discipline-specific text in the language 300 word translation.
- For students whose native language is something other than English, a native speaker certification may be possible.

GENERAL COMPREHENSIVE QUALIFICATION EXAMS

At the end of the First Semester, all MA students will be required to take an objective exam, based on images and information covered in the Western Survey courses from Ancient through Modern (ARTH1380/1381). The students will be required to provide thorough identification and informed discussion on canonical works drawn from a textbook used in our classes.

Master of Fine Art

Art, MFA

The graduate program leading to the MFA degree is a 60 term-hour degree program comprised of 18 hours in the concentration, 9 hours in art history, 9 hours of graduate seminar, and 24 hours of related arts.

MFA Degree Concentrations:

- Graphic Design
- Interdisciplinary Practices and Emerging Forms (IPEF)
- Painting
- Photography and Digital Media
- Sculpture

For further information, please see School of Art MFA Program web page.

Admission Requirements

The following are the basic requirements for admission to the graduate program for the MFA degree:

- BA, BFA or BS in any field from a US accredited institution with a minimum of 3.0 (B) GPA earned in the last 60 hours of coursework.
- A portfolio and statement of intent are the most important parts of the application. The School of Art evaluates and admits MFA applicants primarily on the basis of work completed in the major area of concentration to which the application is made.

Applicant Checklist

- A University of Houston Graduate School application
- A Katherine G. McGovern College of the Arts application
- Non-refundable application fee
- Official transcript from each college or university attended since high school



- The names and email addresses of three people to serve as references. At least one of these should be familiar with your art or design work.
- A statement of intent expressing your reasons for pursuing graduate study in your area of interest. Indicate on the statement the concentration to which you are applying.
- A resume or CV
- A portfolio uploaded to the Katherine G. McGovern College of the Arts application portal
- International students have additional documentation and/or test score submission requirements. For full details, visit the Graduate School web page.

Degree Requirements

Credit hours required for this degree: 60.0

The MFA degree is a sixty term-hour program.

- Studio courses in a single studio concentration: 18 hours
- Related arts: 24 hours
- Art history: 9 hours
- Art seminar: 9 hours

Required Courses

First-year students are required to take ARTS 6380, Seminar.

Third-year students are required to take ARTS 6381, Writing Seminar.

- ARTS 6380 - Seminar **Credit Hours: 3**
- ARTS 6381 - Writing Seminar **Credit Hours: 3**

SPECIFIC CONCENTRATION REQUIREMENTS (within the 18 hours of required studio coursework)

These hours may not be satisfied with independent study courses.

GRAPHIC DESIGN

Graphic Design students are required to enroll in Graphic Design Studio, ARTS 6330, every fall and spring term. This will total 18 hours of coursework. They are encouraged to also enroll in ARTS 7330 whenever possible.

- ARTS 6330 - Graphic Design Studio **Credit Hours: 3**
- ARTS 7330 - Graphic Design Studio **Credit Hours: 3**

IPEF (Interdisciplinary Practices in Emerging Forms)

IPEF students are required to enroll in IPEF Studio a minimum of three times. It is suggested that this be taken once per year.

- ARTS 6385 - Interdisciplinary Practice and Emerging Forms Studio **Credit Hours: 3**



PAINTING

First year painting students are required to enroll in Drawing Studio and Painting Studio the fall and spring of the first year. It is strongly recommended that they take no more than 9 hours in the Fall term. After the first year, painting students are no longer required to enroll in Drawing Studio and Painting Studio. Painting students are required to take History of Contemporary Painting to satisfy one of their art history requirements.

- ARTS 6300 - Drawing Studio **Credit Hours: 3**
- ARTS 6305 - Painting Studio **Credit Hours: 3**
- ARTH 6331 - Contemporary Painting **Credit Hours: 3.0**

PHOTO/DIGITAL MEDIA

Photography students are required to enroll in Photography Studio required a minimum of four times as follows: The fall and spring terms of the first year, one term of the second year and the spring term of the third year. Photography Students are required to take Readings in 20th and 21st Century Photography to satisfy one of their art history requirements.

- ARTS 6370 - Photography Studio **Credit Hours: 3**
- ARTH 6320 - Readings in 20th and 21st Century Photography **Credit Hours: 3.0**

SCULPTURE

Sculpture students are required to enroll in Sculpture Studio every fall and spring term. This will total 18 hours of coursework.

- ARTS 6360 - Sculpture Studio **Credit Hours: 3**

Academic Policies

- University of Houston Academic Policies
- Academic Policies: College of the Arts

Graduate Reviews

First-year Student Reviews: At the end of the fall and spring semesters, each first-year student will meet with a faculty committee. During this meeting the committee and the student will discuss the student's current work, their progress in the program and plans for future study.

Second-Year Student Reviews: Prior to the end of the spring semester of the second year, students must arrange a meeting of their faculty committee to review their current work, progress in the program and plans for the final year.

A student will be permitted to graduate upon completion of their course requirements, submission of materials for inclusion in the MFA Thesis Exhibition catalog, participation in the MFA Thesis Exhibition, and an oral examination.

MFA Thesis Exhibition Catalog: The MFA Thesis Catalog will include the artist's or designer's statement developed in the Writing Seminar, documentation of the student's work, and any additional supporting materials.



MFA Thesis Exhibition: A representative from the Blaffer Museum of Art will meet with the graduating MFA students. At this meeting the student must be prepared to give the museum a preliminary estimate of the scope of their work for the exhibition.

Oral Examination: MFA candidates will schedule a meeting with their committee for the oral examination, the final and comprehensive discussion of their work. The oral examination may be held at any time during the spring semester; however, students are encouraged to hold the examination in the Blaffer Art Museum after the installation of their work in the Thesis Exhibition. The exam must be completed prior to the closing of the exhibition (exceptions to this time constraint may be arranged with the approval of the Graduate Advisor).



About the College of the Arts

Office of the Dean:
120 Moores School of Music
www.uh.edu/cota
713-743-0867

Acting Dean

Andrew Davis, Ph.D.

Acting Associate Dean

David Bertman, M.M.

College Business Administrator

Ornela Santee, M.B.A.

Manager of Cohort Relations

Nicholas Fox, B.S.

The College of the Arts (CoTA) comprises the performing and visual arts schools at the University of Houston, including the Schools of Art, Music, and Theatre & Dance. The College is also home to the interdepartmental Master of Arts in Arts Leadership program as well as to the Cynthia Woods Mitchell Center for the Arts, the Blaffer Art Museum, and the Center for Arts Leadership.

The College of the Arts provides training in the classical traditions across the visual and performing arts; cross-disciplinary training through collaborations between the College and other academic units on campus; and professional, social, and entrepreneurial training through collaborations with arts and cultural organizations in the City of Houston—America's fourth largest city and one of America's great arts destination cities for the twenty-first century.

The College of the Arts is responsible for numerous cultural, professional, professional-development, and leadership programs every year, among them the Texas Music Festival, the Houston Shakespeare Festival, the CounterCurrent Festival, The Contemporary Project, and the Leadership in the Arts Summit, all on top of year-round exhibitions and performances on the University of Houston campus—one of Houston's most active, dynamic, and innovative arts neighborhoods.



Admissions Requirements: College of the Arts

The College of the Arts requires a bachelor's degree from an accredited institution and an appropriate background in the subject to be studied for entry into any of its graduate programs. Applicants must satisfy all University of Houston Admission Requirements as specified in this catalog. These include the submission of a graduate application, transcripts from every institution of higher education attended, letters of recommendation, and a statement of interest. While many fine arts degree do not require GRE scores, some Master of Arts and Master of Music degree tracks do; please consult the pages for the individual programs in this catalog for more information on the GRE requirement. Creative and performing arts programs, in addition, require an audition and/or an artistic portfolio as part of the application process.

International applicants must, in addition, provide scores on the Test of English as a Foreign Language (TOEFL) or the International English Testing System (IELTS) or the Pearson Test of English (PTE). Minimum TOEFL score for international applicants is 79 (internet-based test), including a minimum writing score of 20; minimum IELTS score is 6.5, including a minimum writing score of 6.5; and minimum PTE is 53.

Unconditional and Conditional Admission Requirements

- **Unconditional**
 - To be eligible for unconditional admission, students must have a grade point average of at least 3.00 (A=4.00) during the last 60 semester hours of graduate and/or undergraduate work attempted.
- **Conditional**
 - Conditional admission may be granted to students who have a grade point average of at least 2.60 (A=4.00) and whose test scores in combination with other elements of the application materials indicate probable success in the graduate program. To remain in a graduate studies program, conditionally admitted students must earn a grade point average of at least 3.00 (A=4.00) on the first 12 semester hours of graduate work attempted at the University of Houston. Applicants without a strong background for graduate study in the discipline may be requested to take leveling courses as a condition of admission.
 - The conditional admission category applies only at the master's level. Conditional admission may not be granted to doctoral-level applicants.

Please refer to the departmental sections of this catalog for specific information on admission requirements for particular programs, as some programs may have higher requirements than the minimum standards listed above. Applicants should contact the individual departments to determine what additional materials may be required to accompany the application for admission.

Continuation

Any student's continuation in the graduate programs of the College of the Arts is at the discretion of the college, the major department, and the major advisor. A satisfactory rate of progress toward the degree is required throughout a student's enrollment. A department or program may terminate enrollment at any time if the rate of progress is not satisfactory or if the student falls out of good standing.

The college requires a cumulative grade point average of 3.00 or better for good standing and graduation; some departments and programs require a higher minimum GPA. In addition, the college requires adherence to the university's low grade policy.



Academic Policies: College of the Arts

Continuous Enrollment

A graduate student who cannot enroll in a given semester must apply to the College of the Arts for a leave of absence in order to remain in good standing.

A student who interrupts enrollment in a graduate program in the college for more than 13 months and does not have a pre-approved leave of absence petition for that time period must petition to re-enter the program for the appropriate semester. The program of the student who is accepted will be governed by the catalog in effect at the time of the student's reentrance to the graduate program.

Postbaccalaureate Course Work

A postbaccalaureate student is a student who has earned one or more baccalaureate or higher degrees at an accredited institution. An applicant seeking this classification rather than graduate status must apply to the Office of Admissions.

Individual schools and programs set policies regarding postbaccalaureate study. Students are responsible for contacting the unit in which they wish to take courses prior to registration in order to determine whether that school or program allows postbaccalaureate students to enroll in graduate courses; how many such courses the students may take; and whether advanced courses taken while students are classified as postbaccalaureates may be applied toward a graduate degree. Some units do not allow courses taken by postbaccalaureate students to be credited toward a graduate degree. The maximum number of semester hours that a school or program may approve for credit toward a graduate degree is 9.

Academic Grievance Policy

In the normal conduct of education at the University of Houston, justifiable grievances may arise concerning the violation of university, college, or school academic policies or procedures. The College of the Arts is committed to resolving these grievances in a fair, orderly, and expeditious manner. To that end, the college has established informal and formal procedures beginning at the school level for settling academic grievances.

An academic grievance refers to an action taken against a student by a member of the faculty (including part-time instructors and teaching assistants), staff, or administration that either violates a university, college, or department academic policy or procedure or prejudicially treats the student on the basis of race, color, national origin, religion, sex, age, handicap, veteran status, or any other non-academic status or characteristic.

Because assigning a grade or evaluating a student's work performance involves the faculty's professional judgment and is an integral part of the faculty's teaching responsibilities, disagreement with an instructor concerning a grade or evaluation is not a justifiable grievance to be considered under this policy unless factors such as those mentioned in the previous paragraph can be shown to have affected that grade or evaluation. A student with a justifiable grievance that can be substantiated should initiate academic grievance proceedings as soon as possible after the action in dispute occurs.

Any student who believes he or she has an academic grievance involving the College of the Arts should first try to resolve the grievance informally with the faculty member or other involved parties. In some cases, the student may have to discuss the grievance with the director of the relevant school or program, the college officer designated by the dean, or both before obtaining a satisfactory resolution.



If the informal discussions do not resolve the academic grievance, the aggrieved student may initiate a formal grievance by submitting a written complaint to the director of the school or program involved (or the college officer designated by the dean if the director is the focus of the grievance) within 60 days of initiating informal proceedings.

The aggrieved student who does not obtain a satisfactory resolution at the school or program level may file a formal appeal first with the office of the dean and then, failing to obtain satisfaction, with the Graduate and Professional Studies Committee and the office of the senior vice president for academic affairs.

For further information contact the Office of the Dean of the College of the Arts.

Incomplete Grades

The grade of I (incomplete) is a conditional and temporary grade given when students are passing a course but, for reasons beyond their control, have not completed a relatively small part of all requirements. Students are responsible for informing the instructor immediately of their reason for not submitting an assignment on time or for not taking an examination. The grade of I must be changed by fulfilling the course requirements within one year of the date awarded, or, in conformity with university policy, the grade will be changed automatically to F or U (in S-U graded courses).

Residency

In a 30-hour degree, at least 24 semester hours of credit must be earned in residence at the University of Houston campus. In a 36-hour degree, at least 30 semester hours must be earned in residence. Students enrolled in doctoral programs must have a minimum of one academic year of continuous enrollment to satisfy the college's residence requirement.

Time Limits

A master's degree program must be completed within the period specified by the department, but under no circumstances in more than five years of the date of enrollment in the master's program.

Students who enroll as doctoral candidates must complete their degree requirements within the length of time specified by the department, but in no circumstances more than ten years of the date of first enrollment with a doctoral degree objective. Failure to comply will result in the candidate being ineligible for that doctoral degree.

Doctoral students who fail to complete the dissertation within five years after passing the comprehensive examination must retake the examination. Leaves of absence that have been granted do not extend the above time limits.

Transferred Courses

No more than nine semester hours of transferred courses may be applied to a master's degree. Determination of course equivalency of transferred work resides with the proposed major department. Refer to the university's Transferred Courses rule for more information.



Degree Requirements - College of the Arts

The College of the Arts offers degrees at the master's and doctoral levels. Due to the variety of degrees offered, students are advised to consult the listing for all degrees offered in College of the Arts and also the departmental sections of this catalog for specific information on degree requirements of particular degrees.

General requirements for master's degrees:

All schools in the college offer master's degrees, which provide in-depth instruction and preparation, beyond the bachelor's level, in a particular field. All master's degrees require a significant amount of coursework, and all also require a master's thesis, comprehensive examination, recital, exhibit, or other capstone project or experience to attain the degree. For program tracks requiring a thesis, the thesis committee must consist of at least three faculty members, at least two of whom must come from the major department. After these minimum requirements for committee members are satisfied, additional committee members may be approved.

Master of Arts (M.A.)

- Requires a minimum of 30-36 graduate hours in the field, depending on program and track.

Master of Fine Arts (M.F.A.)

- Requires a minimum of 45-60 graduate hours, depending on program and track.

Master of Music (M.M.)

- Requires a minimum of 30-36 graduate hours, depending on program and track.

General Requirements for doctoral degrees:

Doctor of Musical Arts (D.M.A.)

Awarding of the D.M.A. degree signifies that the recipient has acquired a broad knowledge of music in all its aspects-practical, historical, and theoretical-and has demonstrated, by successful completion of recitals and a doctoral research project, performance and scholarly competence meeting the discipline's national standards. The D.M.A. requires at least 60 hours of doctoral-level work and successful completion of language requirements and disciplinary examinations, at the discretion of the Moores School of Music.



College of The Arts Programs

Arts Leadership Program

Arts Leadership, MA

The Master of Arts program in Arts Leadership in the College of Liberal Arts and Social Sciences at the University of Houston takes an entrepreneurial approach to preparing creative professionals to launch, administer and maintain arts organizations of all sizes. The degree program provides advanced study in the management and promotions of arts organizations across artistic disciplines.

Students enrolled full-time can complete the degree requirements in two years. Those who wish to continue full-time or part-time employment during the day may complete this program as courses will be offered during evening hours.

All students will be required to complete internships with established, professional, arts organizations in the greater Houston area. They will have access - through guest lecturers, workshop and panels both in class, and through the Center for Arts Leadership - to interact with local and national leaders of distinction in the fields of arts, entertainment and culture.

The Master of Arts program in Arts Leadership develops and cultivates the next generation of influential leaders in the fields of arts and entertainment.

For further information, please see the MA in Arts Leadership website.

Faculty

Fleurette S. Fernando: Director and Adjunct Professor, Arts Leadership. MFA, York University, Toronto, Canada.

Gwendolyn H. Goffe: Adjunct Professor, Arts Leadership. B.A., Connecticut College; M.B.A., Wharton School of Business.

Terri Golas: Adjunct Professor, Arts Leadership. B.A., University of Houston; M.B.A, University of St. Thomas.

Andrea Lazar: Adjunct Professor, Arts Leadership. B.A., University of Texas at Austin; M.A./M.B.A., Southern Methodist University.

Douglas Newman: Adjunct Professor, Arts Leadership. B.A., Brandeis University; M.P.A., New York University.

James Thurman: Director and Clinical Professor, Master of Public Administration. B.A., Texas A&M University; M.P.A., LBJ School of Public Affairs, University of Texas, Austin; Ph.D., University of Houston.

Joseph Wilson: Adjunct Professor, Arts Leadership. B.A., Regis University, Denver; M.A., University of Connecticut, Storrs.

Admission Requirements

Applicants must meet the following minimum requirements for unconditional admission to the Master of Arts in Arts Leadership program:

- Bachelor's degree from a regionally-accredited institution for admission to the master's programs
- 3.00 graduate point average in the last 60 hours of undergraduate and/or graduate course work

Applicant Checklist:



- A complete online graduate application including the non-refundable application fee (25 for domestic applications/\$125 for international applicants). Full details can be found at www.uh.edu/graduate-school/admissions/how-to-apply/.
- Official transcripts from each college or university attended since high school sent to the UH Graduate School
- 3 letters of recommendation from those who are familiar with your work and educational preparation (part of the online application)
- A statement of intent on interest in attending the Arts Leadership program (submitted with the online application)
- A resume of academic and work experience (submitted with the online application)
- International students have additional paperwork and/or testing requirements. Full information is found at www.uh.edu/graduate-school/admissions/international-students/.

Degree Requirements

Credit hours required for this degree: 36.0

The M.A. in Arts Leadership will provide advanced study in the management and promotion of arts organizations across artistic disciplines.

The degree requires 36 semester credit hours of coursework and internship. It consists of:

- 15 hours of required specialty courses, including some specific to the arts and others in areas of public administration and public sector business more generally
- 15 hours of electives
- 6 credit hours of internship in an arts organization or program, providing vital real-world experience to students

Core Curriculum

15 credit hours must be chosen from the following:

- ARLD 6300 - Fundamentals & Strategic Planning for the Arts **Credit Hours: 3.0**
- ARLD 6310 - Fundraising for the Arts **Credit Hours: 3.0**
- ARLD 6315 - Public Relations & Marketing in the Arts **Credit Hours: 3.0**
- ARLD 6320 - Financial Management for Arts **Credit Hours: 3.0**
- ARLD 6395 - Selected Topics in Arts Leadership **Credit Hours: 3.0**
Topic(s):
 - Leading the Turnaround
- PUBL 6310 - Administrative Theory **Credit Hours: 3.0**
- PUBL 6349 - Seminar in Non-Profit Management **Credit Hours: 3.0**

Electives

15 credit hours may be chosen from the following:

- ARLD 6330 - Arts and Technology **Credit Hours: 3.0**
- ARLD 6340 - Law and the Arts **Credit Hours: 3.0**
- ARLD 6350 - Cultural Commerce: Business Models for Arts Entrepreneurship **Credit Hours: 3.0**
- ARLD 6360 - Arts & Community Engagement **Credit Hours: 3.0**
- ARLD 6395 - Selected Topics in Arts Leadership **Credit Hours: 3.0**
- ARLD 6398 - Special Problems in Arts Leadership **Credit Hours: 3.0**



- PUBL 6342 - Budgeting For Public Agencies **Credit Hours: 3.0**
- PUBL 6350 - Public Management **Credit Hours: 3.0**

Students may also get permission to take an elective course from departments outside of the Arts Leadership Program.

Practicum

- ARLD 6691 - Internship in Arts Organization **Credit Hours: 6.0**

Academic Policies

- University of Houston Academic Policies
- College Academic Policies

Practicum Requirements

All students will be required to complete a Practicum within an established, professional, arts organization in in the greater Houston area. The Practicum Program, provides the student with a meaningful and intensive on-the-job training experience in preparation for a leadership position while maintaining a student role, and provides the host organization with the opportunity to train and utilize future professionals in the non-profit and for-profit arts sector.

During the Practicum, the student is expected work 300 hours on the identified project in total. Time spent on the project should be divided however it works best for the student and the organization. Practicum projects can be completed at any time during the academic semesters of the MA Program or during the summer/winter breaks. A minimum of 15 core credit hours must be completed within the MA in Arts Leadership Program before the student undertakes the actual fieldwork, although the planning phase may begin earlier.

Museum and Gallery Management, Certificate

The Graduate Certificate in Museum and Gallery Management, offered through the MA in Arts Leadership Program, is an exclusive 12-credit, non-degree program at the University of Houston. The program can be completed in one to three years and provides concentrated study in the business and administrative aspects of museum and gallery spaces. It is intended to serve as an addition to master's and doctoral degrees for students who are interested in pursuing a career in the field. The program will combine academic and professional training for students preparing to be the next generation of museum and gallery leaders.

For more information, please visit the program page: <http://www.uh.edu/kgmca/arts-leadership/academics/museum-gallery-management/>.

Admission Requirements

Students applying for the Graduate Certificate in Museum and Gallery Management Program should be current University of Houston students who have completed a minimum of 9 graduate credit hours with a minimum GPA of 3.2 in a related field which can include (but is not limited to) art, art history, arts leadership, architecture, anthropology, education, history, music, theatre, dance, Spanish, social work, sociology, world cultures and literature. A background in fine art is not required to enroll in the certificate program as the process of museum management is transferable across various types of museums, including children's museums, history museums, natural science museums, etc.

Visit the program's application process page for more information: http://www.uh.edu/kgmca/arts-leadership/academics/museum-gallery-management/mgm_application.



Certificate Requirements

Credit hours required for this certificate: 12.0

In order to receive the Graduate Certificate in Museum and Gallery Management, certificate courses cannot double count between the certificate and any other graduate program on or off the UH campus. Individual courses can, however, be taken as elective courses in any UH graduate degree program. 12 credit hours from the following must be completed: (It is highly recommended that students take ARLD 6310 - Fundraising for the Arts and ARLD 6320 - Financial Management for the Arts if they have not already taken them in a previous degree or certificate track. All students must take the ARLD 6395 - Introduction to Museum and Gallery Management).

Required Course

- ARLD 6395 - Selected Topics in Arts Leadership **Credit Hours: 3.0**
Topic:
 - Introduction to Museum and Gallery Management

Recommended Courses

It is recommended that students take the following courses if they have not already taken them in a previous degree or certificate track.

Required for students who have not completed previous coursework in fundraising.

- ARLD 6310 - Fundraising for the Arts **Credit Hours: 3.0**
Required for students who have not completed previous coursework in financial management.
- ARLD 6320 - Financial Management for Arts **Credit Hours: 3.0**

Course Electives

Other courses include:

- ARLD 6395 - Selected Topics in Arts Leadership **Credit Hours: 3.0**
Topic(s):
 - Museum Education and Community Engagement
 - Museum Programming
- ARLD 6315 - Public Relations & Marketing in the Arts **Credit Hours: 3.0**
- ARTH 6301 - Critical Theory **Credit Hours: 3.0**
- ARTH 6303 - After Theory **Credit Hours: 3.0**
- ARTH 6380 - Museums and the Problem of Display **Credit Hours: 3.0**
- ARLD 6391 - Internship in Arts Organization **Credit Hours: 3.0**

Academic Policies

- University of Houston Academic Policies

School of Art



Art History, MA

A core principle of the University of Houston's Art History graduate program is flexibility, making it both dynamic and interdisciplinary. The M.A. in Art History at the University of Houston provides the graduate student with a firm grounding in the discipline of art history coupled with the riches of major art institutions in a dynamic urban art world. The program is designed with a minimal number of required courses to give students the opportunity to design a program that best suits their individual needs and aspirations. In addition to art history, specializations are also available in Curatorial and Theoretical Perspectives or in Art Criticism and Writing, with thesis and non-thesis tracks in each.

Through its uniquely wide-ranging and diverse options for coursework and internships, the UH program enables students to pursue a large number of career options. Graduates of the UH Master's program in art history will be well-prepared to go on to seek the Ph.D. in art history, or, alternatively, to pursue careers not requiring the Ph.D. in art museums, collections, or galleries; in art criticism and writing; or to combine additional credentials for a career in arts librarianship, arts management or art education.

Our expansive view of art history leads us to seek candidates with a variety of interests and backgrounds. Though applicants must demonstrate an understanding of art historical research and writing practices through a writing sample, an undergraduate degree in Art History is not required

For further information, please see the MA in Art History web page.

Admission Requirements

Applicants to the MA Program must submit the following:

- A completed online application available at <http://www.uh.edu/graduate-school/admissions/how-to-apply/> including upload of documents and application fee payment.
- Non-refundable application fee (\$75 domestic applicants/\$150 international applicants)
- Official transcript from each college or university attended since high school (sent directly to the Graduate School)
- GRE Scores, less than 5 years old (sent electronically to the University of Houston - code 6870)
- 3 recommendations from those who are familiar with your academic work, at least one of which should concern your work in art history.
- A resume of academic and work experience
- Statement of intent stating academic interests within the field of art history and career goals
- One sample of academic writing (7-20 pages) can be attached during the online application process. It should be formatted as a pdf.
- International student have additional documentation and/or test score requirements. Full details can be found at www.uh.edu/graduate-school/admissions/international-students/

Degree Requirements

Credit hours required for this degree: 36.0

There are two plans under which graduate students can earn a Master of Arts in Art History.

- MA Plan I: 30 hours of coursework and 6 hours of approved thesis hours and written and defended thesis.
- MA Plan II: 33 hours of coursework and 3 hours of capstone examination preparation and satisfaction.

PLAN I: THESIS TRACK



The Plan I thesis track requires the completion of a thesis approved by three faculty committee members. The thesis advisor is chosen during the Spring Semester of the first year. The thesis may take the form of a written thesis or a curatorial project.

PLAN II: CAPSTONE EXAMINATION

The Plan II track student will take a series of exams over the course of two days which will be evaluated by a committee of three faculty members approved by the Graduate Program Director in Art History. This examination will normally be taken during the last semester of coursework. The decision to pursue this path will be made by the First Semester of the Second Year.

Required Courses

A minimum of 36 graduate-level credits are required for the MA degree II. All MA students are strongly encouraged to pursue a broad background in art history outside of their thesis concentration area.

- ARTH 7380 - Graduate Art History Methods I **Credit Hours: 3.0**
- ARTH 7381 - Graduate Art History Methods II **Credit Hours: 3.0**

Art History (12.0 hours)

- Six hours in Art History Pre-1400 (chosen from Ancient, Pre-Columbian, Medieval)
- Three hours in Art History 1400-1850
- Three hours in Art History 1850-present

Related Arts (18.0 hours)

These courses may be a combination of art-history and non-art history courses to enrich their their understanding of the period, including possible relevant graduate work in Philosophy, Literature, History, Women's Studies, Anthropology, Latino Studies, etc.


If a student is writing a thesis, 6 hours (ARTH 6399 & ARTH 7399) will be applied to 'Related Arts' Non-thesis track students will apply 3 hours of independent study (ARTH 7398) in preparation of question area topics and in-depth directed study with a faculty member. Internship hours are applied as hours in related arts.

Academic Policies

- University of Houston Academic Policies
- Academic Policies: College of the Arts

FOREIGN LANGUAGE REQUIREMENT

A student must demonstrate reading proficiency in a foreign language. There are several methods by which this can be satisfied:

- Score of 550 or higher on the Graduate Student Foreign Language Test (GSFLT)
- A grade of B or better in two graduate (6000-level) readings courses in the foreign language. A grade of B- will not be accepted.
- Completion of beginning and intermediate college levels (four semesters) of foreign language with a grade of B or better in the last five years. (Placing out of beginning courses may be considered as fulfilling part of the requirement.) Two undergraduate courses plus a 300-word passage translation can also meet this requirement.
-  Certification of competency by the Art History Faculty through an translation examination of a discipline-specific text in the language 300 word translation.



- For students whose native language is something other than English, a native speaker certification may be possible.

GENERAL COMPREHENSIVE QUALIFICATION EXAMS

At the end of the First Semester, all MA students will be required to take an objective exam, based on images and information covered in the Western Survey courses from Ancient through Modern (ARTH1380/1381). The students will be required to provide thorough identification and informed discussion on canonical works drawn from a textbook used in our classes.

Art, MFA

The graduate program leading to the MFA degree is a 60 term-hour degree program comprised of 18 hours in the concentration, 9 hours in art history, 9 hours of graduate seminar, and 24 hours of related arts.

MFA Degree Concentrations:

- Graphic Design
- Interdisciplinary Practices and Emerging Forms (IPEF)
- Painting
- Photography and Digital Media
- Sculpture

For further information, please see School of Art MFA Program web page.

Admission Requirements

The following are the basic requirements for admission to the graduate program for the MFA degree:

- BA, BFA or BS in any field from a US accredited institution with a minimum of 3.0 (B) GPA earned in the last 60 hours of coursework.
- A portfolio and statement of intent are the most important parts of the application. The School of Art evaluates and admits MFA applicants primarily on the basis of work completed in the major area of concentration to which the application is made.

Applicant Checklist

- A University of Houston Graduate School application
- A Katherine G. McGovern College of the Arts application
- Non-refundable application fee
- Official transcript from each college or university attended since high school
- The names and email addresses of three people to serve as references. At least one of these should be familiar with your art or design work.
- A statement of intent expressing your reasons for pursuing graduate study in your area of interest. Indicate on the statement the concentration to which you are applying.
- A resume or CV
- A portfolio uploaded to the Katherine G. McGovern College of the Arts application portal
- International students have additional documentation and/or test score submission requirements. For full details, visit the Graduate School web page.

Degree Requirements



Credit hours required for this degree: 60.0

The MFA degree is a sixty term-hour program.

- Studio courses in a single studio concentration: 18 hours
- Related arts: 24 hours
- Art history: 9 hours
- Art seminar: 9 hours

Required Courses

First-year students are required to take ARTS 6380, Seminar.

Third-year students are required to take ARTS 6381, Writing Seminar.

- ARTS 6380 - Seminar **Credit Hours: 3**
- ARTS 6381 - Writing Seminar **Credit Hours: 3**

SPECIFIC CONCENTRATION REQUIREMENTS (within the 18 hours of required studio coursework)

These hours may not be satisfied with independent study courses.

GRAPHIC DESIGN

Graphic Design students are required to enroll in Graphic Design Studio, ARTS 6330, every fall and spring term. This will total 18 hours of coursework. They are encouraged to also enroll in ARTS 7330 whenever possible.

- ARTS 6330 - Graphic Design Studio **Credit Hours: 3**
- ARTS 7330 - Graphic Design Studio **Credit Hours: 3**

IPEF (Interdisciplinary Practices in Emerging Forms)

IPEF students are required to enroll in IPEF Studio a minimum of three times. It is suggested that this be taken once per year.

- ARTS 6385 - Interdisciplinary Practice and Emerging Forms Studio **Credit Hours: 3**

PAINTING

First year painting students are required to enroll in Drawing Studio and Painting Studio the fall and spring of the first year. It is strongly recommended that they take no more than 9 hours in the Fall term. After the first year, painting students are no longer required to enroll in Drawing Studio and Painting Studio. Painting students are required to take History of Contemporary Painting to satisfy one of their art history requirements.

- ARTS 6300 - Drawing Studio **Credit Hours: 3**
- ARTS 6305 - Painting Studio **Credit Hours: 3**
- ARTH 6331 - Contemporary Painting **Credit Hours: 3.0**



PHOTO/DIGITAL MEDIA

Photography students are required to enroll in Photography Studio required a minimum of four times as follows: The fall and spring terms of the first year, one term of the second year and the spring term of the third year. Photography Students are required to take Readings in 20th and 21st Century Photography to satisfy one of their art history requirements.

- ARTS 6370 - Photography Studio **Credit Hours: 3**
- ARTH 6320 - Readings in 20th and 21st Century Photography **Credit Hours: 3.0**

SCULPTURE

Sculpture students are required to enroll in Sculpture Studio every fall and spring term. This will total 18 hours of coursework.

- ARTS 6360 - Sculpture Studio **Credit Hours: 3**

Academic Policies

- University of Houston Academic Policies
- Academic Policies: College of the Arts

Graduate Reviews

First-year Student Reviews: At the end of the fall and spring semesters, each first-year student will meet with a faculty committee. During this meeting the committee and the student will discuss the student's current work, their progress in the program and plans for future study.

Second-Year Student Reviews: Prior to the end of the spring semester of the second year, students must arrange a meeting of their faculty committee to review their current work, progress in the program and plans for the final year.

A student will be permitted to graduate upon completion of their course requirements, submission of materials for inclusion in the MFA Thesis Exhibition catalog, participation in the MFA Thesis Exhibition, and an oral examination.

MFA Thesis Exhibition Catalog: The MFA Thesis Catalog will include the artist's or designer's statement developed in the Writing Seminar, documentation of the student's work, and any additional supporting materials.

MFA Thesis Exhibition: A representative from the Blaffer Museum of Art will meet with the graduating MFA students. At this meeting the student must be prepared to give the museum a preliminary estimate of the scope of their work for the exhibition.

Oral Examination: MFA candidates will schedule a meeting with their committee for the oral examination, the final and comprehensive discussion of their work. The oral examination may be held at any time during the spring semester; however, students are encouraged to hold the examination in the Blaffer Art Museum after the installation of their work in the Thesis Exhibition. The exam must be completed prior to the closing of the exhibition (exceptions to this time constraint may be arranged with the approval of the Graduate Advisor).

Moore School of Music



The Moores School of Music is a full member of the National Association of Schools of Music and a member of the Texas Association of Music Schools. The school offers the Master of Music and Doctor of Musical Arts degrees, as well as a non-degree professional Certificate in Music Performance. Students majoring in other disciplines may elect courses in music and may participate in the ensembles. Instruction in applied music will be provided for students majoring in other departments at the University of Houston as long as teaching time and practice facilities are available after the requirements for music majors are met.

- Master of Music Programs
- Doctor of Musical Arts Programs
- Certificate Program in Music Performance

Doctor of Musical Arts - Instrumental Performance Track

Purpose:

To provide advanced training and performance experience for students pursuing a career in music performance, and to prepare students to teach music performance at the collegiate level.

Minimum Entrance Requirements:

In addition or supplementary to the admission requirements stated on the Moores School of Music Doctor of Musical Arts Programs page, applicant must meet the following requirements:

1. Master's degree in music.
2. Minimum GPA of 3.00 for all graduate work attempted.
3. Submission of TOEFL scores (as applicable) that meet University of Houston minimum standards.
4. Appropriate graduate-level performance ability as determined in an audition before members of the faculty.

Degree Requirements:

- **Comprehensive Examination Requirement:** Students must pass a comprehensive examination in order to gain admission to candidacy.
- **Minor Field:** Student shall, in consultation with their doctoral committee and the Graduate Advisor, declare a minor field, consisting of 12 credit hours approved by the committee and the coordinator of the minor field area.
- **Recital Requirement:** Students are required to present one solo recital, one chamber music recital, and one lecture. Students pursuing the doctoral essay option will present an additional solo recital, or an approved concerto performance with orchestra.

Courses:

Complete 15.0 Credit Hours¹ from:

- MUSA 8320 - Doctoral Applied Music **Credit Hours: 3.0**

Complete 5.0 Credit Hours¹ from:

- MUSI 8106 - Doctoral Large Ensemble **Credit Hours: 1.0**



- MUSI 8300 - Doct Research Seminar **Credit Hours: 3.0**
- MUSI 8301 - Seminar in Performance Pedagogy **Credit Hours: 3.0**
- MUSI 8303 - Seminar in Music Theory **Credit Hours: 3.0**

Complete 3.0 Credit Hours from:

- MUSI 8350 - Renaissance and Baroque Performance Practice **Credit Hours: 3.0**
- MUSI 8351 - Classic and Romantic Performance Practice **Credit Hours: 3.0**
- MUSA 8240 - Doctoral Recital I **Credit Hours: 2.0**
- MUSA 8241 - Doctoral Recital II **Credit Hours: 2.0**
- MUSA 8243 - Doctoral Lecture Recital **Credit Hours: 2.0**
- Musicology Elective. **Credit Hours: 3.0**
- Minor Field Courses. **Credit Hours: 12.0**
- Document Track or Essay Track Requirements. **Credit Hours: 4.0**
- MUSI 6100 - Chamber Music **Credit Hours: 1.0**

Note(s):

¹ Additional hours of applied study in the major area are not applied toward the degree plan. Graduate students enrolled for applied study are required to also enroll in an appropriate large ensemble.

Doctoral Document Track

Complete 4.0 Credit Hours from:

- MUSI 8299 - Doctoral Document **Credit Hours: 2**
- MUSI 8499 - Doctoral Document **Credit Hours: 4**

Doctoral Essay Track

- MUSA 8242 - Doctoral Recital III **Credit Hours: 2.0**
- MUSI 8296 - Doctoral Essay **Credit Hours: 2**

Program Total: 61.0 Credit Hours

Doctor of Musical Arts - Keyboard Performance Track

Purpose:

To provide advanced training and performance experience for students pursuing a career in music performance, and to prepare students to teach music performance at the collegiate level.



Minimum Entrance Requirements:

In addition or supplementary to the admission requirements stated on the Moores School of Music Doctor of Musical Arts Programs page, applicant must meet the following requirements:

1. Master's degree in music.
2. Minimum GPA of 3.00 for all graduate work attempted.
3. Submission of TOEFL scores (as applicable) that meet University of Houston minimum standards.
4. Appropriate graduate-level performance ability as determined in an audition before members of the faculty.

Degree Requirements:

- **Comprehensive Examination Requirement:** Students must pass a comprehensive examination in order to gain admission to candidacy.
- **Minor Field:** Student shall, in consultation with their doctoral committee and the Graduate Advisor, declare a minor field, consisting of 12 credit hours approved by the committee and the coordinator of the minor field area.
- **Recital Requirement:**
 - Piano: Students are required to present one full solo recital, one accompanying and chamber music recital, and one lecture. Students pursuing the doctoral essay option will present an additional solo recital or an approved concerto performance with orchestra.
 - Organ: Students are required to present two full solo recitals and one lecture. Students pursuing the doctoral essay option will present an additional solo recital or an approved concerto performance with orchestra.

Courses:

Complete 16.0 Credit Hours¹ from:

- MUSA 8320 - Doctoral Applied Music **Credit Hours: 3.0**

Complete 2.0 Credit Hours from:

- MUSI 6100 - Chamber Music **Credit Hours: 1.0**

Complete 4.0 Credit Hours from:

- MUSI 6200 - Accompanying Seminar **Credit Hours: 2.0** (Piano Majors)
- MUSA 6214 - Applied Harpsichord **Credit Hours: 2.0** (Organ Majors)

- MUSI 8300 - Doct Research Seminar **Credit Hours: 3.0**
- MUSI 6350 - Applied Music Pedagogy **Credit Hours: 3.0**
- MUSI 8303 - Seminar in Music Theory **Credit Hours: 3.0**

Complete 3.0 Credit Hours from:

- MUSI 8350 - Renaissance and Baroque Performance Practice **Credit Hours: 3.0**
- MUSI 8351 - Classic and Romantic Performance Practice **Credit Hours: 3.0**

- MUSA 8240 - Doctoral Recital I **Credit Hours: 2.0**
- MUSA 8241 - Doctoral Recital II **Credit Hours: 2.0**
- MUSA 8243 - Doctoral Lecture Recital **Credit Hours: 2.0**



- Musicology Elective. **Credit Hours: 3.0**
- Minor Field Courses. **Credit Hours: 12.0**
- Graduate Elective². **Credit Hours: 2.0**
- Document Track or Essay Track Requirements. **Credit Hours: 4.0**

Note(s):

¹ Additional hours of applied study in the major area are not applied toward the degree plan. Graduate students enrolled for applied study are required to also enroll in an appropriate large ensemble.

² Additional hours of applied music, large ensemble, or doctoral document/essay will not satisfy the free elective requirement.

Doctoral Document Track

Complete 4.0 Credit Hours from:

- MUSI 8299 - Doctoral Document **Credit Hours: 2**
- MUSI 8499 - Doctoral Document **Credit Hours: 4**

Doctoral Essay Track

- MUSA 8242 - Doctoral Recital III **Credit Hours: 2.0**
- MUSI 8296 - Doctoral Essay **Credit Hours: 2**

Program Total: 60.0 Credit Hours

Doctor of Musical Arts - Specialization in Collaborative Piano

Purpose:

To provide skilled pianists advanced training and performance experience as collaborators with vocalists and instrumentalists, and to prepare students for teaching collaboration at the collegiate level. The program offers a broad spectrum of opportunities, and allows for specialization in vocal collaboration, instrumental collaboration, or chamber music.

Minimum Entrance Requirements:

In addition or supplementary to the admission requirements stated on the Moores School of Music Doctor of Musical Arts Programs page, applicant must meet the following requirements:

1. Master's degree in music.
2. Minimum GPA of 3.00 for all graduate work attempted.
3. Submission of TOEFL scores (as applicable) that meet University of Houston minimum standards.
4. Appropriate graduate-level performance ability as determined in an audition before members of the faculty.



Degree Requirements:

- **Comprehensive Examination Requirement:** Students must pass a comprehensive examination in order to gain admission to candidacy.
- **Foreign Language Requirement:** Students must demonstrate reading proficiency in one foreign language in order to gain admission to candidacy. Students may choose any language relevant to their research and/or performance aims. The choice of language must be approved by the student's research committee and the Director of Graduate Studies. Students should consult their major teacher and the MSM Graduate Office for procedures for demonstrating proficiency.
- **Minor Field: Students** shall, in consultation with their doctoral committee and the Graduate Advisor, declare a minor field, consisting of 12 credit hours approved by the committee and the coordinator of the minor field area.
- **Recital Requirement:** Students are required to present one full solo recital or concerto performance with orchestra, two full collaborative recitals (one with vocal accompanying and one with instrumental accompanying), and one lecture. Students completing the doctoral essay track option will present an additional recital in the area of their emphasis.

Courses:

Complete 15.0 credit hours¹ from:

- MUSA 8320 - Doctoral Applied Music **Credit Hours: 3.0**

Complete 2.0 credit hours from:

- MUSI 6100 - Chamber Music **Credit Hours: 1.0**

Complete 4.0 Credit Hours from:

- MUSI 6200 - Accompanying Seminar **Credit Hours: 2.0**
- MUSI 8300 - Doct Research Seminar **Credit Hours: 3.0**
- MUSI 8303 - Seminar in Music Theory **Credit Hours: 3.0**

Complete 3.0 Credit Hours from:

- MUSI 8350 - Renaissance and Baroque Performance Practice **Credit Hours: 3.0**
- MUSI 8351 - Classic and Romantic Performance Practice **Credit Hours: 3.0**
- MUSI 8301 - Seminar in Performance Pedagogy **Credit Hours: 3.0**
- MUSA 8240 - Doctoral Recital I **Credit Hours: 2.0** (solo)
- MUSA 8241 - Doctoral Recital II **Credit Hours: 2.0** (collaborative)
- MUSA 8242 - Doctoral Recital III **Credit Hours: 2.0** (collaborative)
- MUSA 8243 - Doctoral Lecture Recital **Credit Hours: 2.0**
- Musicology Elective. **Credit Hours: 3.0**
- Minor Field Courses. **Credit Hours: 12.0**
- Document Track or Essay Track Requirements (refer to section for requirements). **Credit Hours: 4.0**
- MUSA 8244 - Doctoral Recital IV **Credit Hours: 2.0**

Doctoral Document Track

Complete 4.0 Credit Hours from:



- MUSI 8299 - Doctoral Document **Credit Hours: 2**
- MUSI 8499 - Doctoral Document **Credit Hours: 4**

Doctoral Essay Track

- MUSA 8244 - Doctoral Recital IV **Credit Hours: 2.0**
- MUSI 8296 - Doctoral Essay **Credit Hours: 2**

Note(s):

¹Additional hours of applied study in the major area are not applied toward the degree plan. Graduate students enrolled for applied study are required to also enroll in an appropriate large ensemble.

Program Total: 60.0 Credit Hours

Doctor of Musical Arts - Specialization in Composition

Purpose:

To provide advanced training and experience for students pursuing a career in composition, and to prepare students to teach composition at the collegiate level.

Minimum Entrance Requirements:

In addition or supplementary to the admission requirements stated on the Moores School of Music Doctor of Musical Arts Programs page, applicant must meet the following requirements:

1. Master's degree in music.
2. Minimum GPA of 3.00 for all graduate work attempted.
3. Submission of TOEFL scores (as applicable) that meet University of Houston minimum standards.
4. Appropriate graduate-level composition ability as determined in an examination by composition faculty of previous composition work, presented in score and recorded format.

Degree Requirements:

- **Comprehensive Examination Requirement:** Students must pass a comprehensive examination in order to gain admission to candidacy.
- **Minor Field:** Students shall, in consultation with their doctoral committee and the Graduate Advisor, declare a minor field, consisting of 12 credit hours approved by the committee and the coordinator of the minor field area.
- **Recital Requirement:** Students are required to present one full recital of chamber compositions for various media and one major work presented in public performance or reading.

Courses:



Complete 18.0 credit hours¹ from:

- MUSA 8330 - Doctoral Composition **Credit Hours: 3.0**

Complete 4.0 Credit Hours from:

- MUSI 6104 - New Music Ensemble **Credit Hours: 1.0**
- MUSI 6100 - Chamber Music **Credit Hours: 1.0**
- MUSI 8106 - Doctoral Large Ensemble **Credit Hours: 1.0**

- MUSI 8300 - Doct Research Seminar **Credit Hours: 3.0**
- MUSI 8303 - Seminar in Music Theory **Credit Hours: 3.0**
- MUSI 8380 - Contemporary Analysis I **Credit Hours: 3.0**
- MUSA 8240 - Doctoral Recital I **Credit Hours: 2.0** (Chamber Works)
- MUSA 8241 - Doctoral Recital II **Credit Hours: 2.0** (Major Work)
- Minor Field Courses. **Credit Hours: 12.0.**
- Document track or Essay Track Requirements (see track information for specific requirements) **Credit Hours: 4.0.**

Doctoral Document Track

Complete 4.0 Credit Hours from:

- MUSI 8299 - Doctoral Document **Credit Hours: 2**
- MUSI 8499 - Doctoral Document **Credit Hours: 4**

Doctoral Essay Track

- MUSI 8296 - Doctoral Essay **Credit Hours: 2**
- Graduate Elective². **Credit Hours: 2.0**

Note(s):

¹Additional hours of applied study in the major area are not applied toward the degree plan. Graduate students enrolled for applied study are required to also enroll in an appropriate large ensemble.

²Additional hours of applied music, large ensemble, or doctoral document/essay will not satisfy the free elective requirement.

Program Total: 60.0 Credit Hours

Doctor of Musical Arts - Specialization in Conducting

Purpose:

To provide advanced training and performance experience for students pursuing a career in conducting, and to prepare students to teach conducting at the collegiate level.



Minimum Entrance Requirements:

In addition or supplementary to the admission requirements stated on the Moores School of Music Doctor of Musical Arts Programs page, applicant must meet the following requirements:

1. Master's degree in music.
2. Minimum GPA of 3.00 for all graduate work attempted.
3. Submission of TOEFL scores (as applicable) that meet University of Houston minimum standards.
4. Appropriate graduate-level conducting ability as determined in an audition before members of the conducting faculty.

Degree Requirements:

- **Comprehensive Examination Requirement:** Students must pass a comprehensive examination in order to gain admission to candidacy.
- **Foreign Language Requirement:** There is no foreign language requirement for students in jazz or wind conducting. Students in choral or orchestral conducting must demonstrate reading proficiency in one foreign language in order to gain admission to candidacy. Students may choose any language relevant to their research and/or performance aims. The choice of language must be approved by the student's research committee and the Director of Graduate Studies. Students should consult their major teacher and the MSM Graduate Office for procedures for demonstrating proficiency.
- **Minor Field:** Students shall, in consultation with their doctoral committee and the Graduate Advisor, declare a minor field, consisting of 12 credit hours approved by the committee and the coordinator of the minor field area.
- **Recital Requirement:** Students are required to present two full recitals conducting medium or large ensembles, and one lecture. Students pursuing the doctoral essay option will present an additional conducting recital.

Courses:

Complete 15.0 credit hours¹ from:

- MUSA 8320 - Doctoral Applied Music **Credit Hours: 3.0**

Complete 4.0 Credit Hours from:

- MUSI 8106 - Doctoral Large Ensemble **Credit Hours: 1.0**

Complete 2.0 Credit Hours from:

- MUSI 6100 - Chamber Music **Credit Hours: 1.0**
- MUSI 8300 - Doct Research Seminar **Credit Hours: 3.0**
- MUSI 8301 - Seminar in Performance Pedagogy **Credit Hours: 3.0**
- MUSI 8303 - Seminar in Music Theory **Credit Hours: 3.0**

Complete 3.0 Credit Hours from:

- MUSI 8350 - Renaissance and Baroque Performance Practice **Credit Hours: 3.0**
- MUSI 8351 - Classic and Romantic Performance Practice **Credit Hours: 3.0**
- MUSA 8240 - Doctoral Recital I **Credit Hours: 2.0**
- MUSA 8241 - Doctoral Recital II **Credit Hours: 2.0**



- MUSA 8243 - Doctoral Lecture Recital **Credit Hours: 2.0**
- Musicology Elective. **Credit Hours: 3.0**
- Minor Field Courses. **Credit Hours: 12.0**
- Graduate Elective². **Credit Hours: 2.0**
- Document Track or Essay Track Requirements (refer to Track information for specific requirements). **Credit Hours: 4.0**

Doctoral Document Track

Complete 4.0 Credit Hours from:

- MUSI 8299 - Doctoral Document **Credit Hours: 2**
- MUSI 8499 - Doctoral Document **Credit Hours: 4**

Doctoral Essay Track

- MUSA 8242 - Doctoral Recital III **Credit Hours: 2.0**
- MUSI 8296 - Doctoral Essay **Credit Hours: 2**

Note(s):

¹ Additional hours of applied study in the major area are not applied toward the degree plan. Graduate students enrolled for applied study are required to also enroll in an appropriate large ensemble.

² Additional hours of applied music, large ensemble, or doctoral document/essay will not satisfy the free elective requirement.

Program Total: 60.0 Credit Hours

Doctor of Musical Arts - Specialization in Music Education

Purpose:

To provide advanced training and research skills in music education, and to prepare students for a career in teaching music education at the collegiate level or in leadership positions in public or private schools.

Minimum Entrance Requirements:

In addition or supplementary to the admission requirements stated on the Moores School of Music Doctor of Musical Arts Programs page, applicant must meet the following requirements:

1. Master's degree in music.
2. Minimum GPA of 3.00 for all graduate work attempted.
3. Submission of Graduate Record Exam General Test scores.
4. Submission of TOEFL scores (as applicable) that meet University of Houston minimum standards.
5. Appropriate graduate-level performance ability as determined in an audition before members of the faculty.
6. Minimum three years of successful professional public/private school teaching experience.



Degree Requirements:

- **Comprehensive Examination Requirement:** Students must pass a comprehensive examination in order to gain admission to candidacy.
- **Minor Field:** Student shall, in consultation with their doctoral committee and the Graduate Advisor, declare a minor field, consisting of 12 credit hours approved by the committee and the coordinator of the minor field area.

Courses:

- MUED 6301 - Intro to Research in Music Edu **Credit Hours: 3.0**
- MUED 6315 - Teaching and Learning Theories **Credit Hours: 3.0**
- MUED 7305 - Contemporary Methods in Music Education **Credit Hours: 3.0**
- MUSI 8300 - Doct Research Seminar **Credit Hours: 3.0**
- MUSI 8303 - Seminar in Music Theory **Credit Hours: 3.0**
- Music Education or Education Electives. **Credit Hours: 12.0**
- Minor Field Courses. **Credit Hours: 12.0**

Complete 6.0 Credit Hours from:

- MUSI 8399 - Doctoral Document **Credit Hours: 3**

Note(s):

Additional hours of applied study in the major area are not applied toward the degree plan. Graduate students enrolled for applied study are required to also enroll in an appropriate large ensemble.

Program Total: 60.0 Credit Hours

Doctor of Musical Arts - Vocal Performance Track

Purpose:

To provide advanced training and performance experience for students pursuing a career in music performance, and to prepare students to teach music performance at the collegiate level.

Minimum Entrance Requirements:

In addition or supplementary to the admission requirements stated on the Moores School of Music Doctor of Musical Arts Programs page, applicant must meet the following requirements:

1. Master's degree in music.
2. Minimum GPA of 3.00 for all graduate work attempted.
3. Submission of TOEFL scores (as applicable) that meet University of Houston minimum standards.
4. Appropriate graduate-level performance ability as determined in an audition before members of the faculty.



Degree Requirements:

- **Comprehensive Examination Requirement:** Students must pass a comprehensive examination in order to gain admission to candidacy.
- **Foreign Language Requirement:** Students must demonstrate reading proficiency in French, German, or Italian in order to gain admission to candidacy. Voice majors must also pass the three-part voice language proficiency exam in order to gain admission to candidacy.
- **Minor Field:** Student shall, in consultation with their doctoral committee and the Graduate Advisor, declare a minor field, consisting of 12 credit hours approved by the committee and the coordinator of the minor field area.
- **Recital Requirement:** Students are required to present two solo recitals (each may contain chamber music), one major solo work with orchestra or major opera role, and one lecture. Students pursuing the doctoral essay option will present an additional solo recital.

Courses:

Complete 15.0 Credit Hours¹ from:

- MUSA 8320 - Doctoral Applied Music **Credit Hours: 3.0**

Complete 5.0 Credit Hours from:

- MUSI 6101 - Opera Role Performance **Credit Hours: 1.0**
- MUSI 8300 - Doct Research Seminar **Credit Hours: 3.0**
- MUSI 8301 - Seminar in Performance Pedagogy **Credit Hours: 3.0**
- MUSI 8303 - Seminar in Music Theory **Credit Hours: 3.0**

Complete 3.0 Credit Hours from:

- MUSI 8350 - Renaissance and Baroque Performance Practice **Credit Hours: 3.0**
- MUSI 8351 - Classic and Romantic Performance Practice **Credit Hours: 3.0**
- MUSA 8240 - Doctoral Recital I **Credit Hours: 2.0**
- MUSA 8241 - Doctoral Recital II **Credit Hours: 2.0**
- MUSA 8243 - Doctoral Lecture Recital **Credit Hours: 2.0**
- Musicology Elective. **Credit Hours: 3.0**
- Minor Field Courses. **Credit Hours: 12.0**
- Graduate Elective². **Credit Hours: 3.0**
- Document Track or Essay Track Requirements. **Credit Hours: 4.0**

Notes

¹ Additional hours of applied study in the major area are not applied toward the degree plan. Graduate students enrolled for applied study are required to also enroll in an appropriate large ensemble.

² Additional hours of applied music, large ensemble, or doctoral document/essay will not satisfy the free elective requirement.

Doctoral Document Track



Complete 4.0 Credit Hours from:

- MUSI 8299 - Doctoral Document **Credit Hours: 2**
- MUSI 8499 - Doctoral Document **Credit Hours: 4**

Doctoral Essay Track

- MUSA 8242 - Doctoral Recital III **Credit Hours: 2.0**
- MUSI 8296 - Doctoral Essay **Credit Hours: 2**

Program Total: 60.0 Credit Hours

Master of Music - Instrumental Performance Track

Purpose:

To provide advanced training and performance experience for students pursuing a career in music performance.

Minimum Entrance Requirements:

In addition or supplementary to the admission requirements stated on the Moores School of Music Master of Music Programs page, applicant must meet the following requirements:

1. Bachelor's degree in music (preferably in applied music).
2. Minimum GPA of 3.00 for last 60 term hours and 3.00 for all music hours.
3. Submission of TOEFL scores (as applicable) that meet University of Houston minimum standards.
4. Full senior recital in the undergraduate degree program.
5. Beginning graduate-level performance ability as determined in an audition before members of the graduate faculty.

Degree Requirements:

- **Comprehensive Examination Requirement:** Students must pass a comprehensive examination in the last term of study.
- **Recital Requirement:** Students are required to present one full solo recital.

Courses:

Complete 12.0 Credit Hours¹ from:

- MUSA 63XX Applied Music. **Credit Hours: 3.0**

Complete 3.0 Credit Hours from:

- MUSI 6106 - Grad Large Ensemble **Credit Hours: 1.0**

Complete 2.0 Credit Hours from:

- MUSI 6100 - Chamber Music **Credit Hours: 1.0**



- MUSI 6300 - Introduction to Research Methods in Musicology **Credit Hours: 3.0**
- Music Theory Elective **Credit Hours: 3.0**
- Music History/Literature Electives **Credit Hours 6.0**
- Graduate Electives **Credit Hours 3.0**

Note(s):

¹ Additional hours of applied study in the major area are not applied toward the degree plan.

² Students are encouraged to take a literature course in their discipline.

Program Total: 32.0 Credit Hours

Master of Music - Organ Performance Track

Purpose:

To provide advanced training and performance experience for students pursuing a career in music performance.

Minimum Entrance Requirements:

In addition or supplementary to the admission requirements stated on the Moores School of Music Master of Music Programs page, applicant must meet the following requirements:

1. Bachelor's degree in music (preferably in applied music).
2. Minimum GPA of 3.00 for last 60 term hours and 3.00 for all music hours.
3. Submission of TOEFL scores (as applicable) that meet University of Houston minimum standards.
4. Full senior recital in the undergraduate degree program.
5. Beginning graduate-level performance ability as determined in an audition before members of the graduate faculty.

Degree Requirements:

- **Comprehensive Examination Requirement:** Students must pass a comprehensive examination in the last term of study.
- **Recital Requirement:** Students are required to present one full solo recital.

Courses:

Complete 12.0 Credit Hours¹ from:

- MUSA 6312 - Applied Organ **Credit Hours: 3.0**

Complete 2.0 Credit Hours from:



- MUSI 6204 - Applied Choral Conducting **Credit Hours: 2.0** OR
- MUSA 6214 - Applied Harpsichord **Credit Hours: 2.0**

21.0 Credit Hours in the following:

- MUSI 6327 - Collaborative Skills for Organists I **Credit Hours: 3.0**
- MUSI 6328 - Collaborative Skills for Organists II **Credit Hours: 3.0**
- MUSI 6329 - Seminar in Organ Literature **Credit Hours: 3.0**
- MUSI 6300 - Introduction to Research Methods in Musicology **Credit Hours: 3.0**
- Music Theory Elective **Credit Hours: 3.0**
- Music History/Literature Electives² **Credit Hours: 6.0**

Note(s):

¹ Additional hours of applied study in the major area are not applied toward the degree plan.

² Students are encouraged to take a literature course in their discipline.

Program Total: 35.0 Credit Hours

Master of Music - Piano Performance and Pedagogy Track

Purpose:

To provide private music teachers advanced training in piano performance and in techniques of private and group piano teaching.

Minimum Entrance Requirements:

In addition or supplementary to the admission requirements stated on the Moores School of Music Master of Music Programs page, applicant must meet the following requirements:

1. Bachelor's degree in music (preferably in applied piano).
2. Minimum GPA of 3.00 for last 60 term hours and 3.00 for all music hours.
3. Submission of TOEFL scores (as applicable) that meet University of Houston minimum standards.
4. Full senior recital in the undergraduate degree program.
5. Beginning graduate-level performance ability as determined in an audition before members of the graduate faculty.

Degree Requirements:

- **Comprehensive Examination Requirement:** Students must pass a comprehensive examination in the last term of study.
- **Recital Requirement:** Students are required to present one full recital, which may consist of solo repertoire or be presented in the format of a lecture recital that reflects the results of pedagogical coursework.

Complete 12.0 Credit Hours from:



- MUSA 6310 - Applied Piano **Credit Hours: 3.0**

Complete 2.0 Credit Hours from:

- MUSI 6200 - Accompanying Seminar **Credit Hours: 2.0**
- MUSI 6100 - Chamber Music **Credit Hours: 1.0**
- MUSI 6300 - Introduction to Research Methods in Musicology **Credit Hours: 3.0**
- MUSI 6350 - Applied Music Pedagogy **Credit Hours: 3.0**
- Music Theory Elective **Credit hours 3.0**
- Music History/Electives **Credit Hours 6.0**
- MUSI 6352 - Group Piano Pedagogy **Credit Hours: 3.0**
- MUSI 6260 - Internship in Piano Teaching I **Credit Hours: 2.0**
- MUSI 6261 - Internship in Piano Teaching II **Credit Hours: 2.0**

Note(s):

¹ Additional hours of applied study in the major area are not applied toward the degree plan.

² Students are encouraged to take a literature course in their discipline.

Program Total: 36.0 Credit Hours

Master of Music - Piano Performance Track

Purpose:

To provide advanced training and performance experience for students pursuing a career in music performance.

Minimum Entrance Requirements:

In addition or supplementary to the admission requirements stated on the Moores School of Music Master of Music Programs page, applicant must meet the following requirements:

1. Bachelor's degree in music (preferably in applied music).
2. Minimum GPA of 3.00 for last 60 term hours and 3.00 for all music hours.
3. Submission of TOEFL scores (as applicable) that meet University of Houston minimum standards.
4. Full senior recital in the undergraduate degree program.
5. Beginning graduate-level performance ability as determined in an audition before members of the graduate faculty.

Degree Requirements:

- **Comprehensive Examination Requirement:** Students must pass a comprehensive examination in the last term of study.
- **Recital Requirement:** Students are required to present one full solo recital.



Courses:

Complete 12.0 Credit Hours¹ from:

- MUSA 6310 - Applied Piano **Credit Hours: 3.0**
- MUSI 6200 - Accompanying Seminar **Credit Hours: 2.0**
- MUSI 6300 - Introduction to Research Methods in Musicology **Credit Hours: 3.0**
- Music Theory Elective. **Credit Hours: 3.0**
- Music History/Literature Electives². **Credit Hours: 6.0**
- Graduate Electives. **Credit Hours: 3.0.**

Complete 2.0 Credit Hours from:

- MUSI 6100 - Chamber Music **Credit Hours: 1.0**

Note(s):

¹ Additional hours of applied study in the major area are not applied toward the degree plan.

² Students are encouraged to take a literature course in their discipline.

Program Total: 31.0 Credit Hours

Master of Music - Sacred Music/Choral Conducting Track

Purpose:

To provide advanced training and specialized education for students in the composition, history, and performance practice of sacred musical literature.

Minimum Entrance Requirements:

In addition or supplementary to the admission requirements stated on the Moores School of Music Master of Music Programs page, applicant must meet the following requirements:

1. Bachelor's degree in music (preferably in applied music).
2. Minimum GPA of 3.00 for last 60 term hours and 3.00 for all music hours.
3. Submission of TOEFL scores (as applicable) that meet University of Houston minimum standards.
4. Full senior recital in the undergraduate degree program.
5. Beginning graduate-level performance ability as determined in an audition before members of the graduate faculty.

Degree Requirements:

- **Comprehensive Examination Requirement:** Students must pass a comprehensive examination in the last term of study.



- **Recital Requirement:** Students are required to present one full recital.

Courses:

Complete the following:

- MUSI 6300 - Introduction to Research Methods in Musicology **Credit Hours: 3.0**
- MUSI 6386 - Choral Literature **Credit Hours: 3.0**
- MUSI 6298 - Choral Techniques for Church Musicians **Credit Hours: 2.0**
- MUSI 6206 - Introduction to the Organ **Credit Hours: 2.0**
- Music Theory Elective **Credit Hours: 3.0**
- Music History/Literature Elective **Credit Hours: 3.0**

Complete 8.0 Credit Hours¹ from:

- MUSA 6204 - Conducting **Credit Hours: 2.0**

Complete 2.0 Credit Hours from the following:

- MUSA 6212 - Applied Organ **Credit Hours: 2.0**
- MUSI 6350 - Applied Music Pedagogy **Credit Hours: 3.0**

Complete 6.0 Credit Hours from the following:

- MUSI 6312 - Orchestration **Credit Hours: 3.00**
- MUSI 6330 - Advanced Instrumental Conducting **Credit Hours: 3.0**
- MUSI 6385 - Oratorio Literature **Credit Hours: 3.0**

Note(s):

¹Additional hours of applied study in the major area are not applied toward the degree plan.

Students are also expected to take part in a weekly Sacred Music Colloquium.

Program Total: 35.0 Credit Hours

Master of Music - Sacred Music/Composition Track

Purpose:

To provide advanced training and specialized education for students in the composition, history, and performance practice of sacred musical literature.



Minimum Entrance Requirements:

In addition or supplementary to the admission requirements stated on the Moores School of Music Master of Music Programs page, applicant must meet the following requirements:

1. Bachelor's degree in music (preferably in applied composition).
2. Minimum GPA of 3.00 for last 60 term hours and 3.00 for all music hours.
3. Submission of TOEFL scores (as applicable) that meet University of Houston minimum standards.
4. Full senior recital in the undergraduate degree program.
5. Beginning graduate-level composition ability as determined in a faculty examination of previous composition work, presented in score and recorded format.

Degree Requirements:

- Comprehensive Examination Requirement: Students must pass a comprehensive examination in the last term of study.
- Recital Requirement: Students are required to present one full recital.

Courses:

Complete the following:

- MUSI 6300 - Introduction to Research Methods in Musicology **Credit Hours: 3.0**
- MUSI 6386 - Choral Literature **Credit Hours: 3.0**
- MUSI 6298 - Choral Techniques for Church Musicians **Credit Hours: 2.0**
- MUSI 6206 - Introduction to the Organ **Credit Hours: 2.0**
- MUSA 6204 - Conducting **Credit Hours: 2.0**
- Music Theory Elective **Credit Hours: 3.0**
- Music History/Literature Elective **Credit Hours: 3.0**

Complete 12.0 Credit Hours¹ from:

- MUSA 6302 - Applied Composition **Credit Hours: 3.0**

Complete 3.0 Credit Hours from the following:

- MUSI 6330 - Advanced Instrumental Conducting **Credit Hours: 3.0**
- MUSI 6385 - Oratorio Literature **Credit Hours: 3.0**
- Advanced Theory Elective **Credit Hours: 3.0**

Note(s):

¹Additional hours of applied study in the major area are not applied toward the degree plan.

Students are also expected to take part in a weekly Sacred Music Colloquium.



Program Total: 36.0 Credit Hours

Master of Music - Sacred Music/Organ Track

Purpose:

To provide advanced training and specialized education for students in the composition, history, and performance practice of sacred musical literature.

Minimum Entrance Requirements:

In addition or supplementary to the admission requirements stated on the Moores School of Music Master of Music Programs page, applicant must meet the following requirements:

1. Bachelor's degree in music (preferably in applied music).
2. Minimum GPA of 3.00 for last 60 term hours and 3.00 for all music hours.
3. Submission of TOEFL scores (as applicable) that meet University of Houston minimum standards.
4. Full senior recital in the undergraduate degree program.
5. Beginning graduate-level performance ability as determined in an audition before members of the graduate faculty.

Degree Requirements:

- **Comprehensive Examination Requirement:** Students must pass a comprehensive examination in the last term of study.
- **Recital Requirement:** Students are required to present one full recital.

Courses:

Complete the following:

- MUSI 6327 - Collaborative Skills for Organists I **Credit Hours: 3**
- MUSI 6328 - Collaborative Skills for Organists II **Credit Hours: 3**
- MUSI 6300 - Introduction to Research Methods in Musicology **Credit Hours: 3.0**

Complete 8.0 Credit Hours¹ from:

- MUSA 6212 - Applied Organ **Credit Hours: 2.0**

Complete 4.0 Credit Hours from:

- MUSA 6204 - Conducting **Credit Hours: 2.0**

Complete 6.0 Credit Hours¹ from:



- MUSI 6312 - Orchestration **Credit Hours: 3.00**
- MUSI 6330 - Advanced Instrumental Conducting **Credit Hours: 3.0**
- MUSI 6385 - Oratorio Literature **Credit Hours: 3.0**
- MUSI 6386 - Choral Literature **Credit Hours: 3.0**

Note(s):

¹Additional hours of applied study in the major area are not applied toward the degree plan.

Students are also expected to take part in a weekly Sacred Music Colloquium.

Program Total: 36.0 Credit Hours

Master of Music - Specialization in Collaborative Piano

Purpose:

To provide skilled pianists advanced training and performance experience as collaborators with vocalists and instrumentalists.

Minimum Entrance Requirements:

In addition or supplementary to the admission requirements stated on the Moores School of Music Master of Music Programs page, applicant must meet the following requirements:

1. Bachelor's degree in music (preferably in applied piano).
2. Minimum GPA of 3.00 for last 60 semester hours and 3.00 for all music hours.
3. Submission of TOEFL scores (as applicable) that meet University of Houston minimum standards.
4. Full senior recital in the undergraduate degree program.
5. Beginning graduate-level performance ability as determined in an audition before members of the graduate faculty.

Degree Requirements:

- **Recital Requirement:** Students are required to perform three full collaborative recitals that contain (in sum) brass, string, vocal, and woodwind literature; and chamber works. Four-hand piano music may also be included. All prospective recital programs must be approved by the Director of Keyboard Collaborative Arts and the student's recital committee.
- **Comprehensive Examination Requirement:** Students must pass a comprehensive examination in the last term of study.

Courses

Complete 12.0 Credit Hours from:

- MUSA 6310 - Applied Piano **Credit Hours: 3.0**

Complete 2.0 Credit Hours from:



- MUSI 6100 - Chamber Music **Credit Hours: 1.0**

Complete 4.0 Credit Hours from:

- MUSI 6200 - Accompanying Seminar **Credit Hours: 2.0**
- MUSI 6300 - Introduction to Research Methods in Musicology **Credit Hours: 3.0**
- Music Theory Elective. **Credit Hours: 3.0**
- Music History/Literature Electives². **Credit Hours: 6.0**
- Graduate Electives. **Credit Hours: 3.0**

Note(s):

¹Additional hours of applied study in the major area are not applied toward the degree plan.

²Students are encouraged to take a literature course in their discipline.

Program Total: 33.0 Credit Hours

Master of Music - Specialization in Composition

Purpose:

To provide advanced training for students pursuing a career in music composition.

Minimum Entrance Requirements:

In addition or supplementary to the admission requirements stated on the Moores School of Music Master of Music Programs page, applicant must meet the following requirements:

1. Bachelor's degree in music (preferably in applied composition).
2. Minimum GPA of 3.00 for last 60 term hours and 3.00 for all music hours.
3. Submission of TOEFL scores (as applicable) that meet University of Houston minimum standards.
4. Full senior recital in the undergraduate degree program.
5. Beginning graduate-level composition ability as determined in a faculty examination of previous composition work, presented in score and recorded format.

Degree Requirements:

- **Recital Requirement:** Students are required to present one full solo recital of their own compositions.
- **Comprehensive Examination Requirement:** Students must pass a comprehensive examination in the last term of study.

Courses



- MUSI 6300 - Introduction to Research Methods in Musicology **Credit Hours: 3.0**

Complete 12.0 Credit Hours* from:

- MUSA 6302 - Applied Composition **Credit Hours: 3.0**

Complete 3.0 Credit Hours from:

- MUSI 6104 - New Music Ensemble **Credit Hours: 1.0**
- MUSI 6106 - Grad Large Ensemble **Credit Hours: 1.0**
- Music theory electives. **Credit Hours: 6.0**
- Music History/Literature electives. **Credit Hours: 3.0**
- Electives. **Credit Hours: 3.0**

Note(s):

*Additional hours of applied study in the major area are not applied toward the degree plan.

Program Total: 30.0 Credit Hours

Master of Music - Specialization in Conducting

Purpose:

To provide advanced training and performance experience for students pursuing a career in conducting.

Minimum Entrance Requirements:

In addition or supplementary to the admission requirements stated on the Moores School of Music Master of Music Programs page, applicant must meet the following requirements:

1. Bachelor's degree in music (preferably in applied music).
2. Minimum GPA of 3.00 for last 60 semester hours and 3.00 for all music hours.
3. Submission of TOEFL scores (as applicable) that meet University of Houston minimum standards.
4. Full senior recital in the undergraduate degree program.
5. Beginning graduate-level conducting ability as determined in an audition before members of the graduate faculty.

Degree Requirements:

- **Recital Requirement:** Students are required to present one hour of solo recital material.
- **Comprehensive Examination Requirement:** Students must pass a comprehensive examination in the last term of study.

Courses:



Complete 12.0 Credit Hours* from:

- MUSA 6304 - Conducting **Credit Hours: 3.0**

Complete 3.0 Credit Hours from:

- MUSI 6106 - Grad Large Ensemble **Credit Hours: 1.0**
- MUSI 6300 - Introduction to Research Methods in Musicology **Credit Hours: 3.0**
- Music Theory Elective. **Credit Hours: 3.0**
- Music History/Literature Electives. **Credit Hours: 6.0**
- Graduate Electives. **Credit Hours: 3.0**

Note(s):

* Additional hours of applied study in the major area are not applied toward the degree plan.

Program Total: 30.0 Credit Hours

Master of Music - Specialization in Music Education

Purpose:

To strengthen the pedagogical skills and broaden the musical knowledge of the music teacher.

Minimum Entrance Requirements:

In addition or supplementary to the admission requirements stated on the Moores School of Music Master of Music Programs page, applicant must meet the following requirements:

1. Bachelor's degree in music, or Bachelor's degree with Texas music teacher's certification.
2. Minimum GPA of 3.00 for last 60 semester hours and 3.00 for all music hours.
3. Submission of Graduate Record Examination General Test scores.
4. Submission of TOEFL scores (as applicable) that meet University of Houston minimum standards.
5. Applications should include: three letters of recommendation, a current curriculum vitae, copy of a teaching certification or certification plan, statement of purpose, statement of teaching philosophy, and a 20-30 minute video in lieu of a live audition.

Degree Requirements:

- **Final Project Requirement:** Students must submit a final project in music education research through MUED 7399. Projects generally emerge from coursework and result in either a research paper or pedagogical presentation. MUED 7399 is repeated until project is completed.
- **Comprehensive Examination Requirement:** Students must pass a comprehensive examination in the last term of study.

Courses:



- MUSI 6300 - Introduction to Research Methods in Musicology **Credit Hours: 3.0**
- MUED 6301 - Intro to Research in Music Edu **Credit Hours: 3.0**
- MUED 6310 - Curriculum and Assessment **Credit Hours: 3.0**
- MUED 6315 - Teaching and Learning Theories **Credit Hours: 3.0**
- MUED 7399 - Music Education Final Project **Credit Hours: 3.0.**
- Music Education Electives/Specialization: May include music and/or education courses, subject to the approval of the Coordinator of Music Education and Director of Graduate Studies. **Credit Hours: 12.0.**
- Music History/Literature electives. **Credit Hours: 6.0.**

Program Total: 33.0 Credit Hours

Master of Music - Specialization in Music Theory

Purpose:

To provide advanced training in music analysis, research, and writing for students pursuing a career in the college-level teaching of music theory.

Admission Requirements

Minimum Entrance Requirements:

In addition or supplementary to the admission requirements stated on the Moores School of Music Master of Music Programs page, applicant must meet the following requirements:

1. Bachelor's degree in music.
2. Minimum GPA of 3.00 for last 60 term hours and 3.00 for all music hours. Minimum 3.25 GPA in all music theory courses in undergraduate degree program.
3. Submission of Graduate Record Examination General Test scores.
4. Submission of TOEFL scores (as applicable) that meet University of Houston minimum standards.
5. Submission of theoretical/analytical writing samples and other supporting materials, as requested by the theory faculty, providing evidence of appropriate ability in research and writing.

Degree Requirements:

Program Total: 33.0 Credit Hours

- **Comprehensive Examination Requirement:** Students must pass a comprehensive examination in the last term of study.
- **Foreign Language Requirement:** Students must demonstrate reading proficiency in French or German.
- **Thesis Requirement:** Students must submit a master's thesis exhibiting original research in an area of music theory.

Courses:



- MUSI 6300 - Introduction to Research Methods in Musicology **Credit Hours: 3.0**
- MUSI 6301 - Pedagogy of Music Theory **Credit Hours: 3.0**
- MUSI 6399 - Masters Thesis **Credit Hours: 3**
- MIS 7375 - Transaction Processing Systems **Credit Hours: 3**

Electives

- Music Theory Electives. **Credit Hours: 12.0**
- Music History/Literature Elective. **Credit Hours: 3.0**
- Graduate Electives. **Credit Hours: 6.0**

Master of Music - Specialization in Musicology

Purpose:

To provide advanced training in musicological research and writing for students pursuing a career in the college-level teaching of musicology, music literature, or music criticism.

Minimum Entrance Requirements:

In addition or supplementary to the admission requirements stated on the Moores School of Music Master of Music Programs page, applicant must meet the following requirements:

1. Bachelor's degree in music.
2. Minimum GPA of 3.00 for last 60 term hours and 3.00 for all music hours. Minimum 3.25 GPA in all music literature and music history courses in undergraduate degree program.
3. Submission of Graduate Record Examination General Test scores.
4. Submission of TOEFL scores (as applicable) that meet University of Houston minimum standards.
5. Submission of two research papers, at least one of which should be from an undergraduate music history/literature class, providing evidence of appropriate ability in research and writing.

Degree Requirements:

- **Comprehensive Examination Requirement:** Students must pass a comprehensive examination in the last term of study.
- **Foreign Language Requirement:** Students must demonstrate reading proficiency in French or German.
- **Thesis Requirement:** Students must submit a master's thesis exhibiting original research in an area of musicology.

Courses:

- MUSI 6300 - Introduction to Research Methods in Musicology **Credit Hours: 3.0**
- MUSI 6399 - Masters Thesis **Credit Hours: 3**
- MIS 7375 - Transaction Processing Systems **Credit Hours: 3**
- Musicology Electives. **Credit Hours: 15.0**



- Music Theory Elective. **Credit Hours: 3.0**
 - Graduate Electives. **Credit Hours: 6.0**
- Program Total: 33.0 Credit Hours

Master of Music - Strings Performance and Pedagogy Track

Purpose:

To provide private music teachers advanced training in string performance and in techniques of private and group string teaching.

Minimum Entrance Requirements:

In addition or supplementary to the admission requirements stated on the Moores School of Music Master of Music Programs page, applicant must meet the following requirements:

1. Bachelor's degree in music (preferably in applied music).
2. Minimum GPA of 3.00 for last 60 term hours and 3.00 for all music hours.
3. Submission of TOEFL scores (as applicable) that meet University of Houston minimum standards.
4. Full senior recital in the undergraduate degree program.
5. Beginning graduate-level performance ability as determined in an audition before members of the graduate faculty.

Degree Requirements:

- **Comprehensive Examination Requirement:** Students must pass a comprehensive examination in the last term of study.
- **Recital Requirement:** Students are required to present one full recital, half of which will be a solo performance by the student, and half of which will be solo performances by the student's private students.

Courses:

Complete 12.0 Credit Hours¹ from:

- MUSA 63XX Applied Music **Credit Hours 3.0**

Complete 2.0 Credit Hours from:

- MUSI 6100 - Chamber Music **Credit Hours: 1.0**
- MUSI 6300 - Introduction to Research Methods in Musicology **Credit Hours: 3.0**
- MUSI 6350 - Applied Music Pedagogy **Credit Hours: 3.0**
- MUSI 6351 - Applied Music Pedagogy **Credit Hours: 3.0**
- Music Theory Elective **Credit Hours : 3.0**
- MUsic History/Literature Electives **Credit Hours 6.0**



- Graduate Elective **Credit Hours: 3.0**

Note(s):

¹ Additional hours of applied study in the major area are not applied toward the degree plan. Graduate students enrolled for applied study are also required to enroll in an appropriate large ensemble.

² Students are encouraged to take a literature course in their discipline.

Program Total: 35.0 Credit Hours

Master of Music - Vocal Performance and Pedagogy Track

Purpose:

To provide private music teachers advanced training in string performance and in techniques of private and group string teaching.

Minimum Entrance Requirements:

In addition or supplementary to the admission requirements stated on the Moores School of Music Master of Music Programs page, applicant must meet the following requirements:

1. Bachelor's degree in music (preferably in applied voice or music education with choral emphasis).
2. Minimum GPA of 3.00 for last 60 term hours and 3.00 for all music hours.
3. Submission of TOEFL scores (as applicable) that meet University of Houston minimum standards.
4. Full senior recital in the undergraduate degree program.
5. Beginning graduate-level performance ability as determined in an audition before members of the graduate faculty.

Degree Requirements:

- **Comprehensive Examination Requirement:** Students must pass a comprehensive examination in the last term of study.
- **Recital Requirement:** Students are required to present one full recital, half of which will be a solo performance by the student, and half of which will be solo performances by the student's private students.

Courses:

Complete 12.0 Credit Hours¹ from:

- MUSA 6300 - Applied Voice **Credit Hours: 3.0**

Complete 2.0 Credit Hours from:



- MUSI 6106 - Grad Large Ensemble **Credit Hours: 1.0**
- MUSI 6101 - Opera Role Performance **Credit Hours: 1.0**
- MUSI 6300 - Introduction to Research Methods in Musicology **Credit Hours: 3.0**
- MUSI 6350 - Applied Music Pedagogy **Credit Hours: 3.0**
- MUSI 6351 - Applied Music Pedagogy **Credit Hours: 3.0**
- Music Theory Elective **Credit Hours: 3.0**
- Music History/Literature **Credit Hours: 6.0**
- Graduate Elective **Credit Hours: 3.0**

Note(s):

¹ Additional hours of applied study in the major area are not applied toward the degree plan.

² Students are encouraged to take a literature course in their discipline.

Program Total: 35.0 Credit Hours

Master of Music - Vocal Performance Track

Purpose:

To provide advanced training and performance experience for students pursuing a career in music performance.

Minimum Entrance Requirements:

In addition or supplementary to the admission requirements stated on the Moores School of Music Master of Music Programs page, applicant must meet the following requirements:

1. Bachelor's degree in music (preferably in applied music).
2. Minimum GPA of 3.00 for last 60 term hours and 3.00 for all music hours.
3. Submission of TOEFL scores (as applicable) that meet University of Houston minimum standards.
4. Full senior recital in the undergraduate degree program.
5. Beginning graduate-level performance ability as determined in an audition before members of the graduate faculty.

Degree Requirements:

- **Comprehensive Examination Requirement:** Students must pass a comprehensive examination in the last term of study.
- **Recital Requirement:** Students are required to present one full solo recital.

Courses:

Complete 12.0 Credit Hours¹ from:



- MUSA 6300 - Applied Voice **Credit Hours: 3.0**

Complete 3.0 Credit Hours from:

- MUSI 6101 - Opera Role Performance **Credit Hours: 1.0**
- MUSI 6106 - Grad Large Ensemble **Credit Hours: 1.0**
- MUSI 6102 - Acting for Opera **Credit Hours: 1.0**
- MUSI 6300 - Introduction to Research Methods in Musicology **Credit Hours: 3.0**
- Music Theory Elective. **Credit Hours: 3.0**
- Music History/Literature Electives. **Credit Hours: 6.0**
- Graduate Electives. **Credit Hours: 3.0**

Note(s):

¹ Additional hours of applied study in the major area are not applied toward the degree plan.

² Students are encouraged to take a literature course in their discipline.

Program Total: 31.0 Credit Hours

Music Performance, Certificate

Purpose:

The Certificate in Music Performance is an exclusive non-degree program providing an intensive, two-year period of concentrated study in music performance at the graduate level. It is intended as an alternative to master's and doctoral degrees for exceptionally gifted and accomplished students who show the potential and the motivation to achieve a successful performing career, but who do not wish to engage in the complete curriculum required in standard graduate degree programs.

Available Areas of Study

- Strings
- Brass
- Woodwinds
- Percussion
- Harp
- Piano
- Collaborative Piano
- Organ
- Voice

Admission



Application Deadline

Complete applications must be received by December 1 prior to the year in which Fall term entrance is anticipated.

Auditions

All applications require a high-quality video recording, which will be pre-screened by at least three faculty from the student's area of study. Students approved in the pre-screening will be invited for a live audition on one of the school's designated audition dates. Recorded auditions or auditions in any other form are not accepted. Applicants should consult "Graduate Auditions" on the Moores School of Music website for audition dates and procedures.

Other Information

Recitals

Recitals are adjudicated by a committee of at least four faculty from the student's area of study (or from another suitable area if four area faculty are unavailable). Each student's committee is appointed by the area coordinator when the student enters the program and is approved by the Director of the School of Music. The committee will remain in place for the duration of the student's certificate program.

Certificate students will present a pre-recital jury consistent with those required of graduate degree-seeking students.

Recitals are graded individually by each committee member, with standard letter grades. A student's recital grade comprises the average of the grades submitted privately to the Graduate Office by each committee member. Students earning less than composite B- for any recital will be dismissed from the certificate program.

Faculty have the option to award an incomplete grade for a recital. Students may not accumulate more than one incomplete recital grade during their certificate program.

Two of the four required certificate recitals must be performed on campus. The venue and program for any off-campus recital must be approved by the student's committee in advance of the event, and students must provide their committees with a high-quality video recording of any off-campus recital.

Certain professional engagements equal in importance and depth to a doctoral-level recital may be substituted for two of the required certificate recitals. The substitution must be approved by the student's certificate committee.

Scholarship Support

- Scholarship support will be awarded to certificate students according to the same criteria applied to degree-seeking students.
- the minimum credit-hour requirement per term for scholarship support for certificate students will be 6, not 9, as for degree-seeking students.
- The Moores School of Music will also define 6 credits as full-time enrollment for international certificate-seeking students. (International students may be required to enroll in additional hours to fulfill visa requirements, as determined by the Department of Homeland Security.)

Certificate Requirements



- Certificate students who earn less than a B- in any term in applied music will be dismissed from the certificate program, with no probationary period.
- Certificate enrollment is for fall and spring terms only; no summer enrollment is permitted for certificate students.
- No transfer credit will be applied toward the certificate. No credit earned while in a degree program will be accepted for credit toward the certificate. No credit earned in the certificate program will be awarded for credit toward another degree at this institution.
- Recital Requirement: Students are required to present four full solo recitals.
- Residency Requirement: Students must complete the program by enrolling in a maximum of four long (fall or spring) terms in a total period of three years from the date of enrollment.

Courses

Complete 16.0 Credit Hours from:

- MUSA 64XX- Applied Music. **Credit Hours: 4.0**

Complete 4.0 Credit Hours from:

- MUSI 6106 - Grad Large Ensemble **Credit Hours: 1.0**
- MUSI 6101 - Opera Role Performance **Credit Hours: 1.0**

Complete 4.0 Credit Hours from:

- Chamber music or other Graduate Electives

Complete 4.0 Credit Hours from:

- MUSA 6140 - Graduate Recital I **Credit Hours: 1.0**
- MUSA 6141 - Graduate Recital II **Credit Hours: 1.0**
- MUSA 6142 - Graduate Recital III **Credit Hours: 1.0**
- MUSA 6143 - Graduate Recital IV **Credit Hours: 1.0**

Program Total: 28.0 Credit Hours

Music, DMA - Programs List

Please select from the following plans offered:

- Doctor of Musical Arts - Specialization in Collaborative Piano
- Doctor of Musical Arts - Specialization in Composition
- Doctor of Musical Arts - Specialization in Conducting
- Doctor of Musical Arts - Specialization in Music Education
- Specialization in Performance:



- Instrumental Track
- Keyboard Track
- Vocal Track

Music, MM - Programs List

Please select from the following plans offered:

- Master of Music - Specialization in Collaborative Piano
- Master of Music - Specialization in Composition
- Master of Music - Specialization in Conducting
- Master of Music - Specialization in Music Education
- Master of Music - Specialization in Music Theory
- Master of Music - Specialization in Musicology
- Specialization in Performance:
 - Instrumental Track
 - Organ Track
 - Piano Track
 - Vocal Track
- Performance and Pedagogy:
 - Piano Track
 - Strings Track
 - Vocal Track
- Sacred Music:
 - Choral Conducting Track
 - Organ Track

School of Theatre and Dance

The School of Theatre offers the Master of Arts and the Master of Fine Arts degrees. Graduate courses in dance may be applied toward either the Master of Arts or the Master of Fine Arts degrees. No more than nine semester hours in 6000-level and higher courses outside the School of Theatre will be allowed.

Theatre, MA

The MA degree program in Theatre Studies at UH is recommended for individuals with a strong interest in the scholarly aspects of theatre—particularly dramaturgy, theatre history, and performance studies. The program is ideal for students interested in going on to pursue the PhD or working as a professional dramaturg. This program constitutes Options I and II of the program (Thesis vs Non-thesis options).

Option III of the program is the summer program, MA for Theatre Educators. The summer MA program is an affordable and convenient path for busy theatre educators to accomplish a graduate degree in three short summer sessions. Coursework in the summer MA is developed keeping in mind that students want to further develop their theatre education programs and classes.

For further information, please visit [Theatre Studies MA](#) and [Summer MA for Theatre Educators](#) program page.

Admission Requirements



Full details on applying for graduate study at the University of Houston is found at www.uh.edu/graduate-school/admissions/how-to-apply/. International applicants have additional documentation and English language proficiency requirements. Please visit www.uh.edu/graduate-school/admissions/international/students/ for more information.

In addition to meeting the college graduate admission requirements, students must have an undergraduate degree or have completed at least 24 semester hours in theatre at the undergraduate or postbaccalaureate level with a grade point average of at least 3.00 (A=4.00). Conditional admission may be granted to domestic applicants whose overall grade point average in the last 60 hours of course credit is at least 2.67 (A=4.00), whose grade point average in the discipline is at least 3.00, and whose score on the Graduate Record Examination is high enough to indicate probable success in the program.

Degree Requirements

Credit hours required for this degree: Thesis, 30.0/Non-Thesis, 36.0

Plan I: Thesis Option

Students must complete at least 30 semester hours which include:

Required courses (18 hours):

- THEA 6336 - Technical Production **Credit Hours: 3.0**
- THEA 6362 - Dramatic Theory & Criticism **Credit Hours: 3.0**
- THEA 6397 - Selected Productions of Theatre **Credit Hours: 3.0**
- THEA 6353 - Scenic, Costume, & Lighting Design I **Credit Hours: 3.0**
- THEA 6399 - Masters Thesis **Credit Hours: 3**
- THEA 7399 - Masters Thesis **Credit Hours: 3**

Electives (12 hours):

THEA electives at the 6000-level chosen with advisor approval.

Note(s): The school requires an oral defense of the student's thesis and also may require the student's proficiency in a foreign language if the student's area of specialization warrants it.

Plan II: Non-Thesis Option

Students must complete at least 36 semester hours which include:

Required courses (6 hours):

- THEA 6362 - Dramatic Theory & Criticism **Credit Hours: 3.0**
- THEA 6397 - Selected Productions of Theatre **Credit Hours: 3.0**

Topic(s):

- History of Theatre
- THEA 6353 - Scenic, Costume, & Lighting Design I **Credit Hours: 3.0**

Electives (27 hours):

THEA electives at the 6000-level chosen with advisor approval.

Plan III: Non-Thesis Option for Theatre Educators



The option is offered completely during summer terms and is designed for working theatre educators. Students must complete at least 36 semester hours including:

First Summer Term

- THEA 6280 - The teaching of Acting **Credit Hours: 2.0**
- THEA 6281 - The teaching of Voice **Credit Hours: 2.0**
- THEA 6282 - Field Work in Applied Performance London **Credit Hours: 2.0**
- THEA 6381 - Scenic Design for the High School Director **Credit Hours: 3.0**
- THEA 6382 - Dramaturgy for High School Director **Credit Hours: 3.0**

Second Summer Term

- THEA 6180 - Applying Methods Acting/Voice **Credit Hours: 1.0**
- THEA 6181 - Applying Methods Design/Dramaturgy **Credit Hours: 1.0**
- THEA 6286 - Field Work in Applied Performance Chicago **Credit Hours: 2.0**
- THEA 6383 - Lighting/Costume Design for High School Director **Credit Hours: 3.0**
- THEA 6384 - Directing **Credit Hours: 3.0**

Third Summer Term

- THEA 6182 - Applying Methods Lighting/Costume Design **Credit Hours: 1.0**
- THEA 6183 - Applying Methods Program Management **Credit Hours: 1.0**
- THEA 6284 - Program Management **Credit Hours: 2.0**
- THEA 6285 - Field Work in Applied Performance Study New York **Credit Hours: 2.0**
- THEA 6385 - Technical Direction/Shop Maintenance **Credit Hours: 3.0**
- THEA 6386 - Drama in Context **Credit Hours: 3.0**
- THEA 6287 - Acting Styles **Credit Hours: 2.0**

Academic Policies

- University of Houston Academic Policies
- College Academic Policies

Theatre, MFA

The University of Houston Master of Fine Arts (MFA) in Theatre program has four primary areas of study:

- Acting
- Design
- Technical Direction
- Costume Technology

MFA in Theatre - Acting

The MFA Professional Actor Training Program challenges talent and hones skills through a progressive arc of training in rigorous studio work and in full productions; professional connections are forged through auditions for work with Shakespeare festivals and other regional theater. The combination of rigorous studio training, diverse production experience, and professional networking will provide a launch for a career like no other program in the country.



The artists coming out of this program will be notable for combining five inter-locking qualities: Imagination, Agility, Precision, Passion, and Speed. UH's Professional Actor Training Program is a rigorous two-year program designed to prepare actors to work for leading regional theatres in major markets. Acting, voice, speech, stage combat, and movement skills are honed through extensive studio work and performances in UH productions. The program keeps a constant eye on the profession, bringing in outside artistic directors and sending the actors to group auditions to win the jobs that build a resume and a career.

MFA in Theatre - Design

Design students specialize and train in one or more discipline: scenic design, costume design or lighting design. All students enter the program together and remain together for three years. Only one class is trained at a time. Collaboration is the heart and soul of the program. Students will develop a solid working knowledge of the elements and principles of their discipline in order to create a close collaborative working environment. In addition to the design and collaboration classes, the curriculum includes the study of dramaturgy, literature and theatre history. Upon successful completion of the program, a UH graduate will be exceptionally well suited and qualified for a career in the theatre and the related entertainment industry.

For further information, please view <http://www.uh.edu/cota/theatre-and-dance/theatre/graduate/>.

Admission Requirements

Full details on applying for graduate study at the University of Houston including the Graduate School application can be found at www.uh.edu/graduate-school/admissions/how-to-apply/. International applicants have additional documentation and English language proficiency requirements.

In addition to completing the Graduate School application, students must undergo assessment/audition by MFA faculty in their area and also apply to the McGovern College of the Arts. The online College application can be found at <https://app.getaccepted.com/houston>

Degree Requirements

MFA in Theatre - Technical Direction Track - 54 semester hours

FALL - First Term (9.0 Credit Hours)

- THEA 6353 - Scenic, Costume, & Lighting Design I **Credit Hours: 3.0**
- THEA 6309 - CAD I for Theatre Design **Credit Hours: 3.0** or Flat Pattern
- THEA 6185 - Scenic Methods & Materials **Credit Hours: 1.0**
- THEA 6294 - Design and Production Studio **Credit Hours: 2.0**

SPRING - Second Term (9.0 Credit Hours)

- THEA 6307 - Theatrical Project Planning **Credit Hours: 3.0**
- THEA 6303 - Scenic Structures **Credit Hours: 3.0**
- THEA 6185 - Scenic Methods & Materials **Credit Hours: 1.0**
- THEA 6294 - Design and Production Studio **Credit Hours: 2.0**

FALL - Third Term (9.0 Credit Hours)

- THEA 6327 - Digital Rendering Techniques **Credit Hours: 3.0**



- THEA 6306 - Rigging **Credit Hours: 3.0**
- THEA 6185 - Scenic Methods & Materials **Credit Hours: 1.0**
- THEA 6294 - Design and Production Studio **Credit Hours: 2.0**

SPRING - Fourth Term (9.0 Credit Hours)

- THEA 6329 - Digital Media Arts **Credit Hours: 3.0**
- THEA 6302 - Stage Machinery **Credit Hours: 3.0**
- THEA 7141 - Graduate Directing/Designer Collaboration **Credit Hours: 1.0**
- THEA 6294 - Design and Production Studio **Credit Hours: 2.0**

FALL - Fifth Term (9.0 Credit Hours)

- THEA 6310 - CAD II for Theatre Design **Credit Hours: 3.0 OR**
- THEA 6304 - Mask Theory and Practice **Credit hours: 3.0**
- Dramatic Theory & Crit or Selected Periods **Credit Hours: 3.0**
- THEA 6185 - Scenic Methods & Materials **Credit Hours: 1.0**
- THEA 6294 - Design and Production Studio **Credit Hours: 2.0**

SPRING - Sixth Term (9.0 Credit Hours)

- THEA 6294 - Design and Production Studio **Credit Hours: 2.0**
- Dramatic Theory & Crit or Selected Periods **Credit Hours: 3.0**
- THEA 6185 - Scenic Methods & Materials **Credit Hours: 1.0**

MFA in Theatre - Acting Track - 45 semester hours

First Term (12.0 Credit Hours)

- Acting -Personalization
- Voice 1
- Speech 1
- Movement
- Dramaturgy
- Ensemble Training: Suzuki and Viewpoints

Second Term (12.0 Credit Hours)

- Acting II -Action/Objective and Characterization
- Voice II
- Speech II
- Movement II
- Dramatic Theory & Criticism
- Ensemble Training: Suzuki and Viewpoints

Third Term (9.0 Credit Hours)

- Acting III -Shakespeare
- Voice/Speech III
- Movement III
- Ensemble Training: Suzuki and Viewpoints

Fourth Term (12.0 Credit Hours)



- Acting IV -Greek/Ritual Theatre and Comedy
- Voice/Speech IV
- Movement IV
- Ensemble Training: Suzuki and Viewpoints
- Creative Project

MFA in Theatre - Costume Technology Track - 54 semester hours

FALL - First Term (9.0 Credit Hours)

- THEA 6359 - Flat Patterning **Credit Hours: 3.0**
- THEA 6171 - Techniques and Styles **Credit Hours: 1.0**
- THEA 6294 - Design and Production Studio **Credit Hours: 2.0**

SPRING - Second Term (9.0 Credit Hours)

- THEA 6315 - Fabric Dyeing and Painting **Credit Hours: 3.0**
- THEA 6389 - Textile & Couture Techniques **Credit Hours: 3.0**
- THEA 6171 - Techniques and Styles **Credit Hours 1.0**
- THEA 6294 - Design and Production Studio **Credit Hours 2.0**

FALL - Third Term (9.0 Credit Hours)

- THEA 6356 - Tailoring Techniques for Menswear I **Credit Hours: 3.0**
- THEA 6171 - Techniques and Styles **Credit Hours: 1.0**
- THEA 6294 - Design and Production Studio **Credit Hours: 2.0**

SPRING - Fourth Term (9.0 Credit Hours)

- THEA 6358 - Tailoring Techniques for Menswear II **Credit Hours: 3.0**
- THEA 6171 - Techniques and Styles **Credit Hours: 1.0**
- THEA 6294 - Design and Production Studio **Credit Hours: 2.0**

FALL - Fifth Term (9.0 Credit Hours)

- THEA 6294 - Design and Production Studio **Credit Hours: 2.0**
- THEA - Theory/Crit or Selected Periods **Credit Hours: 3.0**
- THEA 6171 - Techniques and Styles **Credit Hours: 1.0**

SPRING - Sixth Term (9.0 Credit Hours)

- THEA 6171 - Techniques and Styles **Credit Hours: 1.0**
- THEA - Theory/Crit or Selected Periods **Credit Hours: 3.0**
- THEA 6294 - Design and Production Studio **Credit Hours: 2.0**

MFA in Theatre - Design Track

FALL - First Term (9.0 Credit Hours)

- THEA 6353 - Scenic, Costume, & Lighting Design I **Credit Hours: 3.0**
- THEA 6309 - CAD I for Theatre Design **Credit Hours: 3.0**

or



Flat Pattern

- THEA 7141 - Graduate Directing/Designer Collaboration **Credit Hours: 1.0**
- THEA 6294 - Design and Production Studio **Credit Hours: 2.0**

SPRING - Second Term (9.0 Credit Hours)

- THEA 7353 - Period Styles **Credit Hours: 3.0**
 - THEA 6307 - Theatrical Project Planning **Credit Hours: 3.0**
- or**
- THEA 6315 - Fabric Dyeing and Painting **Credit Hours: 3.0**
 - THEA 7141 - Graduate Directing/Designer Collaboration **Credit Hours: 1.0**
 - THEA 6294 - Design and Production Studio **Credit Hours: 2.0**

FALL - Third Term (9.0 Credit Hours)

- THEA 6327 - Digital Rendering Techniques **Credit Hours: 3.0**
- THEA 6342 - Drawing and Rendering **Credit Hours: 3.0**
- THEA 7141 - Graduate Directing/Designer Collaboration **Credit Hours: 1.0**
- THEA 6294 - Design and Production Studio **Credit Hours: 2.0**

SPRING - Fourth Term (9.0 Credit Hours)

- THEA 6329 - Digital Media Arts **Credit Hours: 3.0**
- THEA 6354 - Scenic, Costume, & Lighting Design II **Credit Hours: 3.0**
- THEA 7141 - Graduate Directing/Designer Collaboration **Credit Hours 1.0**
- THEA 6294 - Design and Production Studio **Credit Hours 2.0**

FALL - First Term (9.0 Credit Hours)

- THEA 6310 - CAD II for Theatre Design **Credit Hours: 3.0**
- THEA 6304 - Mask Theory and Practice **Credit Hours: 3.0**
- THEA 7141 - Graduate Directing/Designer Collaboration **Credit Hours: 1.0**
- THEA 6294 - Design and Production Studio **Credit Hours: 2.0**
- Dramatic Theory/Crit or Selected Periods **Credit Hours: 3.0**

SPRING - Sixth Term (9.0 Credit Hours)

- THEA 7141 - Graduate Directing/Designer Collaboration **Credit Hours: 1.0**
- THEA 6294 - Design and Production Studio **Credit Hours: 2.0**
- Dramatic Theory/Crit or Selected Periods **Credit Hours: 3.0**

Academic Policies

- University of Houston Academic Policies
- Academic Policies: College of the Arts



School of Theatre and Dance

Edward Albee. Distinguished University Professor of Theatre.

Carolyn Houston Boone. Associate Professor of Theatre. B.A., Louisiana Polytechnical Institute; M.A., Sam Houston State University; M.F.A., University of Houston.

Brian Byrnes. Associate Professor of Theatre. B.A., University of Iowa; M.F.A., University of Pittsburgh.

Sara Becker. Assistant Professor of Theatre. B.A., Fordham; M.F.A., University of Wisconsin.

Teresa Chapman. Assistant Professor of Theatre. B.F.A., University of Southern California, Santa Barbara; M.F.A., California State University, Long Beach.

Jackie DeMontmollin. Clinical Assistant Professor. M.Ed., Concordia University.

Jim Johnson Assistant Professor of Theatre. B.A., Buena Vista College; M.F.A., University of Nebraska/Lincoln

Jonathan M. Middents. Associate Professor of Theatre. B.A., Rice University; M.F.A., Florida State University.

Stuart Ostrow. Distinguished University Professor of Theatre.

Kevin Ridgon. Professor of Theatre. Member of United Scenic Artists.

Robert Shimko. Assistant Professor of Theatre. B.A., Hartwick College; M.A. University of Minnesota; Ph.D., University of Minnesota.

Karen Stokes. Head of Dance Division-School of Theatre and Professor of Dance. B.F.A., Ohio State University; M.F.A., University of California, Los Angeles.

Claremarie Verheyen. Associate Professor of Theatre. B.A, St. Norbert College; B.F.A., University of Wisconsin; M.A., Illinois State University; M.F.A., California Institute of the Arts.

Paige Willson. Clinical Assistant Professor. B.F.A., University of Louisiana Lafayette; M.F.A., University of Houston.

Jack Young. Head of Professional Actor Training Program. Associate Professor of Theatre. B.A., Virginia Tech; M.F.A., University of Washington.



Certificate in Music Performance Program

Purpose

The Certificate in Music Performance is an exclusive non-degree program providing an intensive, two-year period of concentrated study in music performance at the post-baccalaureate level. It is intended as an alternative to master's and doctoral degrees for exceptionally gifted and accomplished students who show the potential and the motivation to achieve a successful performing career, but who do not wish to engage in the complete curriculum required in standard graduate degree programs.

Available Areas of Study

- Strings
- brass
- woodwinds
- percussion
- harp
- piano
- collaborative piano
- organ
- voice

Application Deadline

Complete applications must be received by December 1 prior to the year in which Fall-term entrance is anticipated.

Auditions

All applications require a high-quality video recording, which will be pre-screened by at least three faculty from the student's area of study. Students approved in the pre-screening will be invited for a live audition.

A live audition adjudicated by a six-member Certificate Audition Committee is required of all students seeking admission to the certificate program. Recorded auditions or auditions in any other form are not accepted. Live auditions will take place on the Friday afternoon prior to the final regular Moores School of Music audition weekend, in Dudley Recital Hall on the University of Houston campus. Specific times and schedules will be coordinated by the Moores School director of admissions. An accompanist will be provided; prospective students should provide scores for the accompanist as soon as they receive notification of their being accepted for the live audition.

Other Information

1. Certificate students who earn less than a B- in any term in applied music will be dismissed from the certificate program, with no probationary period.
2. Certificate enrollment is for fall and spring terms only; no summer enrollment is permitted for certificate students.



3. Residency requirement: Students must complete the program by enrolling in a maximum of four long (fall or spring) terms in a total period of three years from the date of enrollment.
4. No transfer credit will be applied toward the certificate. No credit earned while in a degree program will be accepted for credit toward the certificate. No credit earned in the certificate program will be awarded for credit toward another degree at this institution.

Recitals

Recitals are adjudicated by a committee of at least four faculty from the student's area of study (or from another suitable area if four area faculty are unavailable). Each student's committee is appointed by the area coordinator when the student enters the program and is approved by the Director of the School of Music. The committee will remain in place for the duration of the student's certificate program.

Certificate students will present a pre-recital jury consistent with those required of graduate degree-seeking students.

Recitals are graded individually by each committee member, with standard letter grades. A student's recital grade comprises the average of the grades submitted privately to the Graduate Office by each committee member. Students earning less than composite B- for any recital will be dismissed from the certificate program.

Faculty have the option to award an incomplete grade for a recital. Students may not accumulate more than one incomplete recital grade during their certificate program.

Two of the four required certificate recitals must be performed on campus. The venue and program for any off-campus recital must be approved by the student's committee in advance of the event, and students must provide their committees with a high-quality video recording of any off-campus recital.

Certain professional engagements equal in importance and depth to a doctoral-level recital may be substituted for two of the required certificate recitals. The substitution must be approved by the student's certificate committee.

Scholarship Support

Scholarship support will be awarded to certificate students according to the same criteria applied to degree-seeking students; the minimum credit-hour requirement per term for scholarship support for certificate students will be 6, not 9, as for degree-seeking students. The Moores School of Music will also define 6 credits as full-time enrollment for international certificate-seeking students.

Note that the Director of the School of Music has final authority on scholarship awards; consideration will be given to recruiting issues, overall benefit to and impact on the school, and other criteria, as appropriate.



Master of Music Programs

Admissions

Auditions

Prospective Master of Music students must audition before a faculty committee; a live audition is an integral part of the application process and should be arranged as early as possible with both the Graduate Office and the appropriate area coordinator. An acceptable graduate-level performance is required at the audition. The audition will ideally be arranged within the published scholarship audition dates (available online at www.music.uh.edu, or contact the Graduate Office at gradmusic@uh.edu); a recorded audition may be arranged only under extenuating circumstances and at the discretion of the Director of Graduate Studies, as well as the appropriate area faculty.

Auditions will be conducted by a committee of at least three faculty members. In all cases, auditions should consist of three (four for voice auditions) representative works in different styles, with at least one work performed from memory. For voice and piano applicants, all works must be memorized. If an accompanist is needed, the applicant should supply scores well in advance. Prospective Master of Music students in voice must perform selections in four languages, including English, and must demonstrate proficiency in the four major singing languages: English, Italian, German, and French.

Specific audition requirements by area of study are available on the auditions section of the website. If you have additional questions, please contact the appropriate area coordinator, or the graduate office.

Diagnostic Exams

- All students entering MM programs must take Moores School of Music diagnostic exams in music history and music theory prior to the start of their first term.
 - Students who complete an MM degree at the Moores School of Music and who are immediately accepted - in their first term after completion of their previous degree - to another MM program or a DMA program may be exempt from the diagnostic exams.)
 - Students who do not take diagnostic exams prior to the start of their first term will automatically be enrolled in the appropriate remedial course(s) (MUSI 6340 and/or MUSI 6341).
- Scheduling
 - Diagnostic exams in music theory are given on scheduled audition days.
 - diagnostic exams in music theory and musicology are given on the Thursday before the first week of classes in fall and spring terms.
 - More information on diagnostic exam scheduling, as well as information on registering for appropriate history and theory review courses, is available from the Moores School of Music Graduate Advisor.
See below for specific information on what students can expect with regard to diagnostic exam content.
- Exams are evaluated by the musicology and music theory faculty.
- All students are allowed one opportunity to take the diagnostic exams
 - the full exam must be completed to be considered (i.e., students may not elect to take portions of exams).
- If remedial coursework is required after the exam (as determined by the exam results), students must enroll in these courses in the earliest term such courses are available (in most cases this will be during the first term of graduate study, and in all cases this will be during the first year of graduate study).



- Passing scores on the diagnostic exams, or passing grades in the appropriate history or theory review courses (where a passing grade is C- or better for MM students) will be required before students may enroll in graduate-level history and theory courses (including MUSI 6300: Introduction to Research Methods in Musicology).
- Credit for review courses will not be applied toward the degree.
- Voice majors at the graduate level are required to take a diagnostic exam in diction.
 - The exam includes:
 - oral recitation of selected prosaic and poetic passages in English, Italian, German, and French, as well as
 - a written test that will include International Phonetic Alphabet (IPA) symbol recognition and transliteration of passages of songs in each language.
 - This exam is administered shortly before the start of classes every term and evaluated by the voice faculty.
 - Students who do not receive a passing score on the exam must take Advanced Lyric Diction (MUSI 6103) at their earliest opportunity (their first term, unless granted special dispensation by the Voice Division Coordinator or the Director of Graduate Studies).
 - Those students required to take Advanced Lyric Diction must successfully complete the course before they will be permitted to perform their degree recital.

Specific information regarding diagnostic exam content:

Diagnostic exam in music history and literature:

The diagnostic exam in music history and literature comprises three sections:

1. Short answer identification of terms and names. This section involves important terms and names in Western music, from early medieval times to the present (e.g., organum, fauxbourdon, basso continuo, the Art of the Fugue, Modeste Mussorgsky, tone cluster, Louis Armstrong, metric modulation, Peter Grimes). Students can prepare for this by studying the glossary and marginalia in such texts as J. Peter Burkholder, Donald Grout, and Claude Palisca, *A History of Western Music*.
2. Short essays. This section largely involves questions about some of the prominent genres of music history, such as motet, mass, art song, symphony, opera, or ballet; or some prominent movement in music, such as Ars Nova, Romanticism, Neoclassicism, modern jazz, or minimalism. Students can prepare for this by consulting either a history of music as mentioned above, or a shorter handbook that gives an overview of Western music.
3. Listening examples. This section asks students to attempt to identify the composer and approximate year of various musical examples from the Middle Ages to the present. The readers of this portion are not so concerned with the student's ability to actually identify such pieces as to make educated guesses as to the likely composer and century of composition. The student can prepare for this by consulting the recorded examples for one of the major textbooks on Western music history, such as the Burkholder-Grout-Palisca-Burkholder text.

For a sample exam see, http://www.uh.edu/cota/music/_docs/sample%20diagnostic%20exam--musicology.pdf

Diagnostic exam in music theory:

The diagnostic exam in music theory comprises four sections:

1. Exercises in common-practice chromatic voice-leading, i.e., 4-part SATB writing with chromatic harmony and/or modulations. Students should be able to realize a figured bass and/or harmonize a melody line (given no bass line and no other harmonic indicators), using in both cases standard procedures of common-practice voice leading (logical harmonic progressions, avoidance of motion in prohibited parallel intervals, and the like). Any and all of the exercises may require the use of standard elements of chromatic harmony, including modulations, augmented sixth chords, and Neapolitan chords. Students should be able to demonstrate understanding of how such elements function in harmonic progressions and how to employ them in a voice-leading exercised.



2. 18th-century counterpoint analysis. This will involve analysis of a fugue, in which students are expected to know the names of, and be able to identify in score, the major components of standard Baroque fugues. Relevant terms may include: subject, countersubject, answer (real or tonal), exposition, bridge, episode, middle entry, etc.
3. Formal analysis of a large common-practice movement or portion thereof. This will involve score analysis in which students are expected to identify sections and characteristics of a standard sonata form. This will include analysis of the exposition and its constituent theme groups, transition, and coda sections, and may include analysis of a development (or portion thereof) and/or recapitulation. Harmonic analysis (i.e., Roman-numeral and figured bass analysis) of any section of the piece may be required.
4. Analysis of post-common-practice, 20th-century materials. This will require students to recognize, given scores or score excerpts, compositional procedures such as 12-tone serialism; polymeter, metric shifts, or other metric procedures; harmonic resources such as extended tertian harmony or non-tertian harmony; and scalar and collectional resources such as diatonic modes, non-diatonic scales, pandiatonicism, or others.

Other information: Students will not be permitted to use a piano for assistance on any part of the exam. In preparing for the exam, students may use for study and reference the latest editions of these widely-available theory texts: Benjamin, Horvit, KOOZIN and Nelson, *Techniques and Materials of Music: From the Common Practice through the Twentieth Century*, (on voice-leading theory and practice and twentieth-century materials); Aldwell and Schachter, *Harmony and Voice Leading* (on voice leading theory and practice); Robert Gauldin, *A Practical Approach to 18th-Century Counterpoint*; Douglass Green, *Form in Tonal Music*; Stefan Kostka, *Materials and Techniques of Twentieth-Century Music*. For more information and a sample exam, see <http://www.uh.edu/~tkoozin/theory/diagnostic-exams.html>

Standardized Testing Requirements

- GRE
 - Only applicants with specializations in Music Education, Musicology, and Music Theory are required to submit scores from the Graduate Record Examination (General Exam) as part of their applications for admission.
 - The GRE is a prerequisite for admission in these majors and may not be taken after a student has been admitted for graduate study.
- IELTS
 - International applicants for graduate admission may submit passing scores from the International English Language Testing System as a substitute for TOEFL scores.
 - The minimum acceptable IELTS score for graduate admission at the University of Houston is 6.5, including a minimum writing score of 6.5.
- LCC
 - International applicants for graduate admission may submit, in lieu of the minimum passing scores on the TOEFL or IELTS, a passing grade in Level 6 of the intensive English program at the Language and Culture Center (LCC) at the University of Houston (administered by the University of Houston Department of English).

Foreign Language Proficiency

MM students with majors in Music Theory and Musicology must demonstrate reading proficiency in French or German before completion of their degree program. Proficiency may be demonstrated in one of the following ways:

1. Satisfactory completion of fourth-term level undergraduate French or German.
2. Satisfactory completion of the second-term level of the graduate reading courses in French or German.
3. Satisfactory completion of a departmental translation exam in French or German. Translation exams are administered by the musicology faculty toward the ends of the fall and spring terms; specific dates will be published during each term (contact the Graduate Office for more information).

Postbaccalaureate Status



Applicants holding a baccalaureate degree who do not meet the specific standards for admission to a graduate program in music but who are otherwise qualified for graduate study may be permitted to correct deficiencies while enrolled as postbaccalaureate (PB) students. PB students will be admitted at the discretion of the Director of Graduate Studies, and PB admissions will be granted according to University of Houston admissions policies and procedures as specified in the university's undergraduate catalog.

Conditional Versus Unconditional Admission

If there are impediments to a graduate student's normal (unconditional) admission (a low grade point average, GRE scores slightly below the minimum, etc.), in certain circumstances it may be possible for a student to be admitted conditionally before being granted full, non-probationary academic standing. Conditions on such admissions may include, but are not limited to:

1. the student must enroll in 9-12 credit hours in the first term of enrollment and include among those credit hours at least two graduate-level academic music courses worth 3 credits each; and
2. earn a grade of B- or better in all academic courses in the first term of enrollment.

Conditional status will be lifted upon satisfaction of the conditions and the student will be granted non-probationary academic standing. Failure to satisfy the conditions of the admission will result in dismissal from the graduate program.

International students (those holding either F-1 or J-1 visas) are not eligible for conditional admission.

Academic Policies

University Academic Regulations and Requirements

Students must satisfy all the university academic regulations and degree requirements. See the Policies and Degree Requirements sections of the Graduate Catalog.

Orientation

An orientation and information session for all new Moores School of Music students occurs during the week prior to the start of classes. There is a general meeting of all students on the Tuesday of the first week of classes in the Fall term, at 1:00 p.m. Contact the graduate office for more specific information.

An orientation session for graduate students with Teaching Assistantship positions occurs on the Friday before the start of the Fall term. Contact the graduate office for more specific information.

Advising

Students must schedule an advising appointment with the Graduate Advisor (gradmusic@uh.edu) before registering for courses in every term in which they are enrolled for graduate study. Students must come prepared for advising appointments: Students should carefully review their degree requirements, courses they have completed, progress toward their degree, and course offerings in the upcoming term.

Posting of Previous Degrees Earned

Each student who enters a graduate degree program at the University of Houston must be certain that their transcript on file reflects the posting of any previous degrees earned. Students may be accepted for admission to the MM program with the submission of a transcript



showing a degree in progress, but once that degree has been completed, the student must submit to the Graduate Office an updated transcript that reflects that degree's completion.

Scholarships and Teaching Assistantships

Students with scholarship or teaching assistantship support are responsible for meeting the terms of their Acceptance Agreement-including enrollment at the appropriate credit-hour load and any other stipulations-and must renew their support each spring following initial acceptance of the award. Students will be notified of the renewal requirement as appropriate.

Semester Credit Hours

The Moores School of Music further defines a credit hour as representing at least 15 not more than 30 minutes of private music instruction per week per 15-week term.

Grades and Point Average (GPA)

No course in which an MM student earns a grade of D+ or lower will be accepted for credit toward the degree. All graduate students must maintain a minimum term and cumulative grade point average of 3.00 for all graduate courses attempted. Failure to do so may result in a warning, probation, suspension, loss of financial support, or dismissal from the program.

Graduation

Graduation is not automatic upon completion of degree requirements. Students must apply for graduation by the deadline listed in the University of Houston Academic Calendar . Payment of a \$25.00 fee (\$50 if filed late) is required; students also must be enrolled in the term in which they plan to graduate. Contact the Office of the University Registrar (128 Welcome Center; 713-743-1010; <http://www.uh.edu/about/offices/enrollment-services/registrar/>) for more information.

If a student is unable to graduate in the term during which application for graduation is made, the student will be required to complete another application for graduation and pay another fee in order to graduate in a subsequent term.

Academic Requirements

Master's Comprehensive Examination

All Master of Music students must take a written comprehensive examination covering their major field of study, musicology, music theory, and score identification. Exam topics will derive from coursework completed during the degree program as well as from information pertinent to the student's field of study; the score identification portion is independent of specific coursework. Comprehensive exams take place at the end of the Fall and Spring terms, and students should take the exam in or after their final term of coursework; specific dates for the exam will be published by the graduate office during each term (contact the Graduate Office for more information). Students wishing to take the comprehensive exam must submit an application form (available in the Graduate Office) and a completed degree plan (available on this web site) to the graduate office by the published deadline in the term in which they wish to take the comprehensive exam.

Students will appoint a comprehensive exam committee to administer their exam. This committee will comprise three faculty members, as follows:



1. the student's major professor,
2. one music theory faculty member, and
3. one musicology faculty member.

Because the comprehensive exam at the master's level covers coursework completed for the degree as well as information pertinent to the student's field of study, students generally are advised to appoint theory and musicology faculty with whom they have previously studied. In exceptional cases, such as those in which a student has not studied with any member of the theory or musicology faculty or the faculty with whom the student studied is on leave or otherwise unavailable to sit on the committee, the student may either choose another faculty member from that area (perhaps after consulting with them personally) or allow the Graduate Office to make that committee appointment for them. These faculty members then write their portion of the comprehensive exam in consultation with other members of the student's committee.

Committee members will submit comprehensive exam questions, including scores if necessary, to the Graduate Office at least two weeks prior to the examination. The Graduate Office will notify committee members of the date of the exam and the deadline for submitting questions.

The four-hour exam is administered by the Graduate Office in one sitting. Students are required to take the exam on campus, on the designated day, at the scheduled time. At the conclusion of the exam, the Graduate Office circulates the entire exam as a package to each committee member for evaluation. Each committee member will evaluate the exam within three working days and forward it to the next member. Committee members grade each portion of the exam independently and have four grade options for each section: pass, fail, oral exam required, or abstain.

If one or more committee members chooses a grade of "fail" on one or more portions of the exam, the full committee will meet to consider the exam. If the committee then determines by majority vote that the student has failed any portion of the exam, the student may retake (in written form) that particular portion of the exam within six months. The committee will then evaluate the student's rewritten exam according to the same procedures and criteria as the first exam. A second failure will result in the student's dismissal from the graduate program.

In evaluating the exams, committee members also have the option of requiring-before issuing a pass or fail grade-the student to submit to an oral follow-up exam if aspects of the written exam remain in need of clarification. The oral exam will take place if one or more committee members chooses a grade of "oral exam required" on one or more portions of the exam. The oral exam will take place within three weeks of the written exam and will be graded pass or fail by a majority vote of the committee. If the student fails the oral exam, a second oral exam may be scheduled within six months, or the student may complete another course of action at the committee's discretion (another written exam, for example). A second failure will result in the student's dismissal from the graduate program.

Large Ensemble Enrollment and other Co-Enrollment Requirements

All students enrolled in applied music must enroll concurrently in an appropriate large ensemble, even if all degree requirements have been met. The new-music ensemble (AURA, MUSI 6104) may count for large-ensemble credit for a limited number of terms (one term for master's students and two terms for doctoral students).

Piano majors enrolled in applied music are assigned two hours per week of studio accompanying. (Piano majors with scholarship support must either [1] schedule an additional two hours per week of accompanying, or [2] enroll in an appropriate large ensemble during each term of enrollment in applied study.) Organ majors will have other concurrent enrollment requirements, as determined by the department. For other co-enrollment requirements specific to their major area of study, students should contact their division head.

Recitals

Recitals are scheduled during Fall and Spring terms, only between the first and last day of classes. Students must be enrolled for private applied study during the term in which the recital occurs. MM students required to perform a recital must appoint a three-member recital



committee comprising at least two faculty from their major area of study, including their major professor; if not from the student's major area, the third committee member may be an academic faculty member. Recital committees should be chosen in consultation with the student's major professor, the coordinator of the student's major area, and the Director of Graduate Studies. Programs for degree recitals must be approved by, and students must present a pre-recital jury to, the full recital committee at least two weeks prior to the recital. The committee has the option to not permit the recital to proceed as scheduled on the basis of either the program or the student's performance at the pre-recital jury. For the purposes of degree plans, a "full recital" is generally defined as 60 minutes of music. Recitals must fulfill all area-specific requirements specific to the student's degree plan or area of study, including requirements for memorization (voice and piano, for example, are required to perform recitals entirely from memory).

Committee members should submit recital grades to the Graduate Office within 24 hours after the recital (or within 10 days if viewing a recorded recital). Graduate Recital Evaluation Forms are available from the Graduate Office or from the front office in the School of Music; committee chairs should distribute a copy of the form to each committee member individually at the time of the recital. Committees may meet at the conclusion of the recital to discuss the student's performance and grade, but in any case each committee member should submit their own confidential grade form. The student's final recital grade will be the average of the grades submitted by each committee member (including the committee chair).

Juries

Unless a student performs a major recital during a term, that student is expected to perform a term jury.

Music 6300: Introduction to Research Methods in Musicology

Introduction to Research Methods in Musicology is a prerequisite for graduate-level music history and literature courses. (Note that the prerequisite for MUSI 6300 is satisfaction of deficiencies in music history, either by successfully completing the diagnostic exam in music history or by passing MUSI 6340; see above, under "Diagnostic Exams.") MM students must complete MUSI 6300 at the first available opportunity; MM students are required to complete MUSI 6300 before enrolling in graduate-level coursework in music history.

Electives

Some MM degree programs allow for electives. Electives may be satisfied with graduate-level (6000-level or above) music courses or, pending approval of the Director of Graduate Studies, other courses in a different university department that may be considered an enhancement of a student's degree objective. Only one credit hour of any ensemble will satisfy a free elective requirement; additional hours of applied study in the major area will not satisfy a free elective requirement or any other degree requirement.

Early Degree Completion

Students who wish to complete their Master's degree in three terms may petition to do so. This petition must be approved by the student's applied instructor and division head, and the Director of Graduate Studies, and must be made before the start of the third term of study. If approved, the student will be required to take three credits of free elective in lieu of a fourth term of applied instruction (these credits are in addition to any electives already part of the student's degree requirements). Students may fulfill these credit hours with either an additional elective taken in the third term or with one taken in a previous term that was not already counted toward the degree requirements (see "Electives" for a description of eligible courses).



Doctor of Musical Arts Programs

Admissions

Auditions

Prospective Doctor of Musical Arts students must audition before a faculty committee; a live audition is an integral part of the application process and should be arranged as early as possible with both the Graduate Office and the appropriate area coordinator. An acceptable graduate-level performance is required at the audition. The audition should be arranged within the published scholarship audition dates (available online at www.music.uh.edu, or contact the Graduate Office at gradmusic@uh.edu); a recorded audition may be arranged only under extenuating circumstances and at the discretion of the Director of Graduate Studies, as well as the appropriate area faculty.

Auditions will be conducted by a committee of at least three faculty members. Prospective students should consult the audition requirements specific to the area in which they are auditioning; generally all DMA auditions will require that prospective students prepare at least three representative works in different styles and at least one work that will be performed from memory at the audition (for voice and piano applicants, all works must be performed from memory). Prospective DMA students in voice performance should plan to perform selections in four languages, including English, and proficiency in the four major singing languages: English, Italian, German, and French. If an accompanist is needed for the audition, the applicant should supply scores to the Graduate Office well in advance.

If you have additional questions, please contact the appropriate area coordinator or the Graduate Office.

Diagnostic Exams

All students entering DMA programs must take Moores School of Music diagnostic exams in music history and music theory prior to the start of their first term. (Students who complete an MM degree at the Moores School of Music and who are immediately accepted--in their first term after completion of their previous degree--to another MM program or a DMA program may be exempt from the diagnostic exams.) Students who do not take diagnostic exams prior to the start of their first term will automatically be enrolled in the appropriate remedial course(s) (MUSI 6340 and/or MUSI 6341).

Diagnostic exams in music theory are given on scheduled audition days; diagnostic exams in music theory and musicology are given on the Thursday before the first week of classes in fall and spring terms. More information on diagnostic exam scheduling, as well as information on registering for appropriate history and theory review courses, is available from the Moores School of Music Graduate Advisor. See below for specific information on what students can expect with regard to diagnostic exam content.

Exams are evaluated by the musicology and music theory faculty. All students are allowed one opportunity to take the diagnostic exams, and the full exam must be completed to be considered (i.e., students may not elect to take portions of exams). If remedial coursework is required after the exam (as determined by the exam results), students must enroll in these courses in the earliest term such courses are available (in most cases this will be during the first term of graduate study).

Passing scores on the diagnostic exams, or passing grades in the appropriate history or theory review courses (where a passing grade is B- or better for DMA students) will be required before students may enroll in graduate-level history and theory courses (including MUSI 6300: Introduction to Research Methods in Musicology). Credit for review courses will not be applied toward the degree.

Voice majors at the graduate level are required to take a diagnostic exam in diction that will include oral recitation of selected prosaic and poetic passages in English, Italian, German, and French, as well as a written test that will include International Phonetic Alphabet (IPA) symbol recognition and transliteration of passages of songs in each language. This exam is administered shortly before the start of classes every term and evaluated by the voice faculty. Students who do not receive a passing score on the exam must take Advanced Lyric Diction (MUSI 6103) at their earliest opportunity (their first term, unless granted special dispensation by the Voice Division Coordinator or the Director of



Graduate Studies). Those students required to take Advanced Lyric Diction must successfully complete the course before they will be permitted to perform their degree recital.

Specific information regarding diagnostic exam content:

Diagnostic exam in music history and literature:

The diagnostic exam in music history and literature comprises three sections:

1. Short answer identification of terms and names. This section involves important terms and names in Western music, from early medieval times to the present (e.g., organum, fauxbourdon, basso continuo, the Art of the Fugue, Modest Mussorgsky, tone cluster, Louis Armstrong, metric modulation, Peter Grimes). Students can prepare for this by studying the glossary and marginalia in such texts as J. Peter Burkholder, Donald Grout, and Claude Palisca, *A History of Western Music*.
2. Short essays. This section largely involves questions about some of the prominent genres of music history, such as motet, mass, art song, symphony, opera, or ballet; or some prominent movement in music, such as Ars Nova, Romanticism, Neoclassicism, modern jazz, or minimalism. Students can prepare for this by consulting either a history of music as mentioned above, or a shorter handbook that gives an overview of Western music.
3. Listening examples. This section asks students to attempt to identify the composer and approximate year of various musical examples from the Middle Ages to the present. The readers of this portion are not so concerned with the student's ability to actually identify such pieces as to make educated guesses as to the likely composer and century of composition. The student can prepare for this by consulting the recorded examples for one of the major textbooks on Western music history, such as the Burkholder-Grout-Palisca text.

For a sample exam, see Diagnostic Exam Musicology.

Diagnostic exam in music theory:

The diagnostic exam in music theory comprises four sections:

1. Exercises in common-practice chromatic voice-leading, i.e., 4-part SATB writing with chromatic harmony and/or modulations. Students should be able to realize a figured bass and/or harmonize a melody line (given no bass line and no other harmonic indicators), using in both cases standard procedures of common-practice voice leading (logical harmonic progressions, avoidance of motion in prohibited parallel intervals, and the like). Any and all of the exercises may require the use of standard elements of chromatic harmony, including modulations, augmented sixth chords, and Neapolitan chords. Students should be able to demonstrate an understanding of how such elements function in harmonic progressions and how to employ them in a voice-leading exercised.
2. 18th-century counterpoint analysis. This will involve analysis of a fugue, in which students are expected to know the names of and be able to identify in score, the major components of standard Baroque fugues. Relevant terms may include: subject, counter-subject, answer (real or tonal), exposition, bridge, episode, middle entry, etc.
3. Formal analysis of a large common-practice movement or portion thereof. This will involve score analysis in which students are expected to identify sections and characteristics of a standard sonata form. This will include analysis of the exposition and its constituent theme groups, transition, and coda sections, and may include analysis of a development (or portion thereof) and/or recapitulation. Harmonic analysis (i.e., Roman-numeral and figured bass analysis) of any section of the piece may be required.
4. Analysis of post-common-practice, 20th-century materials. This will require students to recognize, given scores or score excerpts, compositional procedures such as 12-tone serialism; polymeter, metric shifts, or other metric procedures; harmonic resources such as extended tertian harmony or non-tertian harmony; and scalar and collectional resources such as diatonic modes, non-diatonic scales, pandiatonicism, or others.

Other information: Students will not be permitted to use a piano for assistance on any part of the exam. In preparing for the exam, students may use for study and reference the latest editions of these widely-available theory texts: Benjamin, Horvit, Koozin, and Nelson, *Techniques and Materials of Music: From the Common Practice through the Twentieth Century*, 7th ed. (on voice-leading theory and practice and



twentieth-century materials); Aldwell and Schachter, *Harmony and Voice Leading* (on voice leading theory and practice); Robert Gauldin, *A Practical Approach to 18th-Century Counterpoint*; Douglass Green, *Form in Tonal Music*; Stefan Kostka, *Materials and Techniques of Twentieth-Century Music*.

For more information and a sample exam, see Music Theory Diagnostic Exams.

Standardized Testing Requirements

- GRE
 - Only applicants specializing in Music Education are required to submit scores from the Graduate Record Examination (General Exam) as part of their applications for admission. The GRE is a prerequisite for admission in this area and may not be taken after a student has been admitted for graduate study.
- TOEFL
 - International applicants for whom English is not the primary language are required to submit scores from the Test of English as a Foreign Language.
 - The TOEFL is a prerequisite for admission and may not be taken after a student has been admitted for graduate study.
 - The University of Houston accepts the internet-based TOEFL, or iBT, with a minimum acceptable score of 79; including a minimum writing score of 20; the minimum standard is strictly enforced at the university level.
 - The University of Houston does not accept the institutional TOEFL, or iTOEFL, for graduate admission.
- IELTS
 - International applicants for graduate admission may submit passing scores from the International English Language Testing System as a substitute for TOEFL scores.
 - The minimum acceptable IELTS score for graduate admission at the University of Houston is 6.5, including a minimum writing score of 6.5.
- LCC
 - Applicants for graduate admission may submit, in lieu of the minimum passing scores on the TOEFL or IELTS, a passing grade in Level 6 of the intensive English program at the Language and Culture Center (LCC) at the University of Houston (administered by the University of Houston Department of English).

Foreign Language Proficiency

All doctoral students except those in music education must demonstrate reading proficiency in French, German, or Italian in order to gain admission to candidacy. Proficiency may be demonstrated in one of the following ways:

- Satisfactory completion of second-year (fourth term-equivalent of 12 credit hours or four one-term courses) undergraduate French, German, or Italian.
- Satisfactory completion of six credit hours (two terms) of intensive graduate reading courses in French, German, or Italian.
- Satisfactory completion of a translation exam in French, German, or Italian. Translation exams are administered by the musicology faculty; contact the Graduate Office for scheduling information.

Doctoral students in voice performance must also pass a three-part language proficiency exam in order to gain admission to candidacy. The content of the exam is normally as follows (consult the voice area coordinator for more information):

1. Part 1: Translation, with the aid of a dictionary, of an approximately 300-word prose text in the student's choice of French, German or Italian.
2. Part 2: Translation, with the aid of a dictionary, of a poetic text (song or aria) in the student's choice of French, German or Italian.
3. Part 3: Transliteration using IPA, without the aid of a dictionary, of four texts in, respectively, French, German, English, and Italian.

Conditional Versus Unconditional Admission



The School of Music does not consider Doctor of Musical Arts applicants for conditional admission. Admission for the DMA is not possible for students who do not satisfy all entrance requirements.

Academic Policies

University Academic Regulations and Requirements

Students must satisfy all the university academic regulations and degree requirements. See the Degree Requirements section on the Graduate Catalog Policies page.

Orientation

An orientation and information session for all new Moores School of Music students occurs during the week prior to the start of classes. There is a general meeting of all students on the Tuesday of the first week of classes in the Fall term, at 1:00pm. Contact the graduate office for more specific information.

An orientation session for graduate students with Teaching Assistantship positions occurs on the Friday before the start of the Fall semester. Contact the graduate office for more specific information.

Advising

Students must schedule an advising appointment with the Graduate Advisor before registering for courses in every term in which they are enrolled for graduate study. Students must come prepared for advising appointments: students should carefully review their degree requirements, courses they have completed, progress toward their degree, and course offerings in the upcoming term.

Candidacy and Continuous Enrollment

DMA students with majors in Performance and Conducting must complete all required coursework, present all required recitals except their lecture recital, and pass their comprehensive exam in order to gain admission to candidacy.

DMA students with majors in Composition must complete all required coursework, present their chamber-music recital, and pass their comprehensive exam in order to gain admission to candidacy.

DMA students with majors in Music Education must complete all required coursework and pass their comprehensive exam in order to gain admission to candidacy.

Note that students are expected to present any required pre-candidacy recitals during the time in which they are completing coursework; for students required to complete remedial work in music theory or music history, it may be advisable not to schedule degree recitals until all such requirements have been satisfied.

For all doctoral students, the comprehensive exam may be scheduled upon completion of (but not before the completion of) all required coursework and pre-candidacy recitals. Comprehensive exams are administered by the Graduate Office and scheduled over a three-day period in the week preceding the start of classes in Fall and Spring terms (see "Doctoral Comprehensive Examination" for more information). Students are expected to take their comprehensive exam at the start of the term immediately following that in which they complete required coursework for their degree.



Admission to candidacy is granted upon successful completion of the comprehensive exam. Students complete their lecture recital and doctoral document after admission to candidacy. Note that in some cases, students may present their lecture recital before their admission to candidacy, pending approval of their doctoral committee and the Director of Graduate Studies.

Doctoral students must adhere at all times to the requirement to be continuously enrolled in Fall and Spring terms until the degree program has been completed and the degree awarded (see "Continuous Enrollment and Leaves of Absence," on the Graduate Studies home page).

Credit and Grade Requirements

Doctoral degrees require 60 credits of graduate work beyond the master's degree with a minimum cumulative grade point average of 3.00. No course (including any required prerequisite courses) in which a student earns a grade of C+ or lower will be accepted for credit toward the degree.

Posting of Previous Degrees Earned

Each student who enters a graduate degree program at the University of Houston must be certain that their transcript on file reflects the posting of any previous degrees earned. Students may be accepted for admission to the DMA program with the submission of a transcript showing a degree in progress, but once that degree has been completed, the student must submit to the Graduate Office an updated transcript that reflects that degree's completion.

Scholarships and Teaching Assistantships

Students with scholarship or teaching assistantship support are responsible for meeting the terms of their Acceptance Agreement-including enrollment at the appropriate credit-hour load and any other stipulations-and must renew their support each spring following initial acceptance of the award. Students will be notified of the renewal requirement as appropriate.

Semester Credit Hours

The Moores School of Music further defines a credit hour as representing at least 15 not more than 30 minutes of private music instruction per week per 15-week term.

Residency Requirement

Doctoral students must complete at least one year (usually the first year) of the program in residence, enrolling for full-time study (9 credits) in consecutive Fall and Spring terms.

Grades and Grade Point Average (GPA)

No course in which a DMA student earns a grade of C+ or lower will be accepted for credit toward the degree. (All graduate students should see also the Low-Grade Policy). All graduate students must maintain a minimum term and cumulative grade point average of 3.00 for all graduate courses attempted. Failure to do so may result in a warning, probation, suspension, loss of financial support, or dismissal from the program.

Graduation



Graduation is not automatic upon completion of degree requirements. Students must first obtain the signatures of the Graduate Advisor, the chair of their research committee, and the Director of Graduate Studies on the DMA Graduation Certification Form (available at Doctor of Musical Arts Graduation Certification Form). Students may then apply to the university for graduation by the deadline listed in the University of Houston Academic Calendar . Fee is required; students also must be enrolled in the term in which they plan to graduate. For more information, contact:

The Office of the University Registrar
128 Welcome Center
713-743-1010

If a student is unable to graduate in the term during which application for graduation is made, the student will be required to complete another application for graduation and pay another fee in order to graduate in a subsequent term.

Academic Requirements

Doctoral Committees

Over the course of their degree programs, doctoral students in all areas except Music Education will form two committees, both of which monitor the student's progress and guide them toward successful completion of the degree. (Music Education DMAs only have a single committee: the "Research Committee" described below). The student forms a "Recital Committee" before their first recital; this committee is responsible for adjudicating recitals and recital programs (with the exception of the lecture recital). Before beginning work on their lecture recital and doctoral essay or document, the student will form a "Research Committee," which is charged with guiding the student's written work on those projects.

Both the Recital and Research Committees will consist of (1) the student's major professor; (2) a second faculty member from the student's major field; (3) one at-large faculty member from the School of Music but from outside the student's discipline; and (4) one at-large faculty member from any discipline, inside or outside the School of Music. At least one committee member must be from an academic division within the school of music (music theory, musicology, composition, or music education), and in all cases, the committee must include at least one member who has written a doctoral document or dissertation. Students may add a fifth at-large member to the committee, if appropriate. Both committees may consist of the same members, but it is recommended that the student chooses a Research Committee in which at least members (3) and (4) are knowledgeable about the student's area of research.

The student's major professor chairs the Recital Committee. In cases in which the major professor is an affiliate artist, the committee is co-chaired with another full-time faculty member. For the Research Committee, the committee member most knowledgeable about the student's research area should serve as chair (in many cases this will be a member of one of the school's academic divisions).

The Recital Committee is subject to the approval of the student's committee chair and the Director of Graduate Studies; the Research Committee is subject to the approval of these individuals, the Director of the Moores School of Music, and the Dean of the College of Liberal Arts and Social Sciences. Any reconfiguration of the committees must be approved by these same individuals. Both the "Moores School of Music DMA Recital Committee Appointment Form" and the "College of Liberal Arts and Social Sciences Research Committee Appointment Form" are available through the Moores School Graduate Advisor.

Doctoral Comprehensive Examination

Before scheduling their doctoral comprehensive examination, doctoral students must:

- satisfy the residency requirement;
- remedy all academic deficiencies;
- satisfy the foreign-language proficiency requirement;



- complete all coursework with a cumulative grade point average of at least 3.00;
- present all required pre-candidacy recitals (see "Candidacy and Continuous Enrollment," above, for more information);
- and submit an application form, with a completed degree plan, to the Graduate Office; students cannot be scheduled to take the comprehensive exam without submitting an application.

Doctoral comprehensive examinations are written by a committee of four faculty members (who are not necessarily members of the student's doctoral committee): (1) the student's major professor; (2) one faculty representative from the student's minor field; (3) one music theory faculty member; and (4) one musicology faculty member. Members 2, 3, and 4 are selected by the Graduate Office; generally these will be the coordinators in the respective areas of study or their designated representatives. Committee members will submit comprehensive exam questions, including scores if necessary, to the Graduate Office at least two weeks prior to the examination. The Graduate Office will notify committee members of the date of the exam and the deadline for submitting questions.

The doctoral comprehensive examination is divided into four sections - major field, minor field, music history, and music theory - and administered by the graduate advisor over three consecutive days. Students are required to take the exam on campus, on the designated day, at the scheduled time. Each day is divided into two four-hour time blocks: block 1 in the morning; and block 2 in the afternoon.

The exam is administered on the following schedule:

DAY	BLOCK	CONTENT
1	1	music history part 1
	2	music history part 2
2	1	major field part 1
	2	major field part 2
3	1	music theory
	2	minor field; or music theory part 2, if music theory is the minor field; or free, if music history is the minor field

Every doctoral comprehensive exam is tailored to the individual student; as such, students should seek guidance from their exam committee regarding what will be expected of them on their exam. Exam content may include, but is not limited to, these subjects:

- major field: questions pertaining to any aspect of the student's major field of study.
- minor field: questions pertaining to any aspect of the student's minor field of study.
- music history: questions pertaining to (a) literature and performance practice in the student's major field; (b) bibliographic knowledge of source materials for research in the student's major field; and (c) general knowledge of music history and literature.
- music theory: questions pertaining to (a) analysis of selected repertoire performed on degree recitals or other repertoire relevant to the student's major field; (b) analysis of unidentified scores; (c) (b) bibliographic knowledge of source materials for relevant analytical research.

At the conclusion of the exam, the Graduate Office circulates the entire exam as a package to each committee member for evaluation. Each committee member will evaluate the exam within three working days and forward it to the next member. Committee members grade each portion of the exam independently and have four grade options for each section: pass, fail, oral exam required, or abstain.

If one or more committee members chooses a grade of "fail" on one or more portions of the exam, the full committee will meet to consider the exam. If the committee then determines by majority vote that the student has failed any portion of the exam, the student may retake (in written form) that particular portion of the exam within six months. The committee will then evaluate the student's rewritten exam according to the same procedures and criteria as the first exam. A second failure will result in the student's dismissal from the graduate program.



In evaluating the exams, committee members also have the option of requiring--before issuing a pass or fail grade--the student to submit to an oral follow-up exam if aspects of the written exam remain in need of clarification. The oral exam will take place if one or more committee members chooses a grade of "oral exam required" on one or more portions of the exam. The oral exam will take place within three weeks of the written exam and will be graded pass or fail by a majority vote of the committee. If the student fails the oral exam, a second oral exam may be scheduled within six months, or the student may complete another course of action at the committee's discretion (another written exam, for example). A second failure will result in the student's dismissal from the graduate program.

Admission to candidacy is granted upon successful completion of the doctoral comprehensive exam.

Doctor of Musical Arts Degree: Two-Track Option

All DMA students have the option to complete their degrees on one of two tracks: the doctoral document track or the doctoral essay track. Generally, the doctoral essay track will require one extra recital and a shorter, essay-style final research project (see below, under "Final Research Project: Doctoral Essay Track"); the doctoral document track will require one fewer recital and a longer, multi-chapter final research project. Both tracks require a lecture recital. For specific information on recital requirements specific to various majors, consult the appropriate degree plans, available at the bottom of this page.

Students must propose to complete their degrees on one of the two tracks following completion of their second DMA recital. (Some areas may require the doctoral document track, in which case no proposal is necessary.) Track proposal forms are available from the Graduate Office. The track proposal will require students to submit to their doctoral committees a writing sample, which in most cases will be a paper completed in an academic course in which the student has previously enrolled. The student's doctoral committee will read the writing sample and recommend approval or disapproval the choice of track; the track proposal is subject to the approval of the Director of Graduate Studies. (Note that the track proposal is not a doctoral document or doctoral essay topic proposal.) Any changes to the track after the initial approval will require a new petition to the student's doctoral committee, following exactly the same procedures as the first track proposal.

- **Final Research Project: Doctoral Document Track**

The doctoral document is a contribution to the existing body of research in the student's major field of study. It is the student's opportunity to produce a piece of scholarly work on the level of professionals in the field, and, as such, the document must show evidence of original thought, original research, and a command of basic musicological or analytical tools.

After passing the doctoral comprehensive exam and achieving candidacy for the degree, students must submit a doctoral document topic proposal to their doctoral committee for approval. The proposal should include: the proposed title; a minimum three-page description of the document's proposed scope, methodology, and aims; a working, chapter-by-chapter outline; a working bibliography (which will include, if appropriate, a discography); and a signature page with spaces for the signature of each committee member. The student's entire doctoral committee must approve the topic proposal.

Documents are expected to be comparable to others produced in the student's major field of study; a general guideline for length is 75 pages (60 pages minimum), double-spaced in a standard font. Students should use footnotes, not endnotes, and the notes should be included at the bottom of the page on which the reference appears. For other questions concerning formatting (including margins and other issues related to physical appearance of the document), front matter, order of pages, and numerous other issues, students should see the Kathrine G. McGovern College of the Arts web page. Note also that students are required to submit a review copy of the completed and successfully defended manuscript, with all committee signatures (and with signature pages printed on the correct paper), by the published deadline in the term in which graduation will occur; usually this is the last day of classes in the term. Manuscript submissions require an appointment with the college's dissertation secretary. Following delivery of the final copy to the dean's office, the dissertation secretary will coordinate submission of the document to ProQuest for public archiving.

For more general questions regarding matters of style, format, and other issues involving writing, students may consult the standard style reference for humanities disciplines, the *Chicago Manual of Style*; other sources may include Kate L. Turabian, *A Manual for Writers of Term Papers, Theses, and Dissertations*; and Oliver Strunk and E. B. White, *The Elements of Style*. Music education majors



may consult the standard style reference in the science disciplines, the *Publication Manual of the American Psychological Association*. For questions regarding writing about music specifically, students may also wish to consult D. Kern Holoman, *Writing About Music: A Style Sheet from the Editors of "19th-Century Music"*; Jonathan Bellman, *A Short Guide to Writing About Music*; Richard J. Wingell, *Writing About Music: An Introductory Guide*; or James R. Crowder, ed., *How to Write About Music: The RILM Manual of Style*. Finally, note that some students may need to enlist outside consultants for assistance with general style and copyediting issues.

During the term in which the document will be completed, students should schedule a defense on a date at least three weeks prior to the published submission deadline (see above, on manuscript submissions). The student's doctoral committee must attend the defense, and as such the student should consult with the entire committee to find an acceptable date and time. Students may schedule the defense by calling the main office in the School of Music to reserve the conference room; one hour should be sufficient for most defenses.

Students must submit to their entire committee a final copy (the "defense copy") of their doctoral document at least three weeks prior to the scheduled defense date; students must allow the entire committee three weeks to review the defense copy. Upon reading the document, the committee has the option of not permitting the defense to proceed as scheduled.

At the conclusion of the defense, the committee will, by majority vote, approve the document as submitted, approve the document pending revisions, defer approval (perhaps pending a second defense), or disapprove the document. A result of deferral or disapproval will require that the student resubmit the document and reschedule a defense according to the procedure outlined above. This normally will require that the student enroll for additional terms of study; consult the Graduate Advisor for more information.

- **Final Research Project: Doctoral Essay Track**

The doctoral essay is a scholarly essay of sufficient quality, and on a topic of sufficient interest, to warrant possible publication in the student's field of study. The essay will be a minimum 7500 words, not including footnotes and bibliography. Doctoral essays do not require a final defense and will be archived in the Graduate Office (not submitted to UMI).

After passing the doctoral comprehensive exam and achieving candidacy for the degree, students must submit a doctoral essay topic proposal to their doctoral committee for approval. The proposal should include: the proposed title; a minimum three-page description of the essay's proposed aims; a working outline; a working bibliography; and a signature page with spaces for the signature of each committee member. The student's entire doctoral committee must approve the topic proposal.

Essays should use footnotes, not endnotes, and the notes should be included at the bottom of the page on which the reference appears. The physical appearance of the essays will be exactly the same as doctoral documents, including all front matter pages, signature pages, abstract, etc. For all questions on these and related matters, students should see the Kathrine G. McGovern College of the Arts web page. With the exception of sections rather than chapters, all doctoral document provisions apply to doctoral essays: students completing doctoral essays are required to submit a review copy of the approved essay, with all committee signatures (and with the signature page printed on the correct paper), by the published dissertation submission deadline in the term in which graduation will occur (usually this is the last day of classes in the term); and essay submissions require an appointment with the college's dissertation secretary, as with doctoral documents.

Students must submit to their entire committee a final copy of their doctoral essay at least four weeks prior to the published submission deadline. Students must allow the entire committee three weeks to review the final copy, after which students will have one week to make any remaining changes requested by the committee. Upon reading the essay, the committee has the option of not approving the essay in its present form; disapproval will require that the student resubmit the essay according to the procedure outlined above. This may also require that the student enroll for additional terms of study; consult the Graduate Advisor for more information.

Large Ensemble Enrollment and Other Co-Enrollment Requirements



All students enrolled in applied music must enroll concurrently in an appropriate large ensemble, even if all degree requirements have been met. The new-music ensemble (AURA, MUSI 6104) may count for large-ensemble credit for a limited number of terms (one term for master's terms and two terms for doctoral students).

Piano majors enrolled in applied music are assigned two hours per week of studio accompanying. (Piano majors with scholarship support must either [1] schedule an additional two hours per week of accompanying, or [2] enroll in an appropriate large ensemble during each term of enrollment in applied study.) Organ majors will have other concurrent enrollment requirements, as determined by the department. For other co-enrollment requirements specific to their major area of study, students should contact their division head.

Recitals

Doctoral recitals (with the exception of the lecture recital) are adjudicated by a student's Recital Committee (see "Doctoral Committees" for more information). Doctoral recitals are scheduled in Fall and Spring terms. Students must be enrolled for private applied study and doctoral recital credit during the term in which the recital occurs. No degree recitals may be presented (and no committees may be formed) before a student is accepted into the Doctoral of Musical Arts program.

A "full recital" at the doctoral level typically comprises at least sixty minutes of music, with doctoral piano recitals usually approximately ten minutes longer; recitals must fulfill all requirements specific to the student's degree plan or area of study, including requirements for memorization (vocalists and pianists, for example, are required to perform entirely from memory). All degree recital programs must be approved by the student's Recital Committee at least two months before the scheduled recital date; programs and other aspects of the recital (including duration) are also subject to the approval of the coordinator in the student's major area of study. The lecture recital is subject to the same guidelines, except that it is approved by the student's Research Committee. Music from the student's entrance audition and music previously presented in recital may not be included without approval of the student's Recital or Research Committee and the coordinator of the student's major area of study.

Vocalists and pianists are expected to perform all solo works (not chamber works) from memory. For other instrumentalists, the amount of memorization should be appropriate to the student's field of study and the genres of the specific works performed (memorization expectations for concertos, for example, differ from those for other solo works); at least half the program will typically be performed from memory. The student's Recital or Research Committee is responsible for approving memorization requirements when questions arise.

Chamber-music recitals should include works for a variety of media and from a variety of musical periods. This repertoire should be prepared under the supervision of the student's major professor and other faculty coaches, as appropriate. In many cases, students may wish to combine the required solo and chamber-music recitals, with each recital including solo and chamber literature; in these cases, expectations for memorization, repertoire, and duration continue to apply, as appropriate for the specific literature. Note that in all cases the ultimate responsibility for all aspects of chamber-music recitals and their quality, including ensemble playing and issues of musical interpretation, rests with the student.

Students' Doctoral Committees have responsibility for deciding whether recitals in the form of solo performances with an orchestra (on or off campus) will qualify as degree recitals, with consideration given to the nature of the repertoire, duration of the performance, venue, ability of the committee to attend the performance, or availability of a high-quality video recording of the performance.

Students must perform a pre-recital jury before their full committee at least two weeks prior to all scheduled solo, chamber-music, and lecture degree recitals (exceptions to the two-week requirement are subject to the approval of the student's committee). Students' performances in their pre-recital juries, together with all other aspects of the recital, must be approved by the full committee; the committee has the option to not permit the recital to proceed as scheduled on the basis of either the program or the student's performance at the jury. Jury approvals are granted on the Pre-Recital Jury Form available online at www.music.uh.edu or in the Graduate Office, and juries are graded "pass" or "fail" by a majority vote of the committee. The committee chair should obtain the Pre-Recital Jury Form from the Graduate Office prior to the jury, circulate it among committee members after the jury, and return it to the Graduate Office upon its completion.

Lecture recitals should include both lecture and performance, with approximately half of the total sixty minutes allotted for each. Students must present a final draft of the lecture (orally or in written form) at the pre-recital jury. Memorization on lecture recitals should be



appropriate for the student's field of study and the specific works presented. Students must distribute to the audience a printed handout (or other materials, as appropriate) that supports the lecture. The lecture recital should not be an oral duplication of the doctoral document but rather may focus on a particular aspect of the students' work toward the document; in many cases, the topic of the lecture recital may be completely different from that of the document.

At least two members of a students' Recital Committee (or Research Committee in the case of the lecture recital) must be present for all degree recitals and pre-recital juries. If one or more committee members are unable to attend either event, students may either appoint one or more substitute committee members, in consultation with the committee chair and the Director of Graduate Studies; or students may provide absent committee members with a high-quality video recording of the recital or jury.

Committee members should submit recital grades to the Graduate Office within 24 hours after the recital (or within 10 days if viewing a recorded recital). Graduate Recital Evaluation Forms are available online at www.music.uh.edu or from the front desk in the School of Music office; committee chairs should distribute a copy of the form to each committee member at the time of the recital. Committees may meet at the conclusion of the recital to discuss the student's performance and grade, but in any case, each committee member should submit their own confidential grade form.

The student's final recital grade will be the average of the grades submitted by each committee member (including the committee chair). Doctoral students must select a minor field, study in which comprises twelve credits of graduate-level coursework. The most common minor fields are in musicology (ethnomusicology, music history, or music literature) and music theory. Other options may include music education, a field outside music (students may have to satisfy prerequisites before enrolling in courses offered in other university departments), or an applied/research minor in music comprising six credits of applied instruction and six credits of research-oriented coursework (i.e., in musicology or music theory). This last option may include work in early music (applied work on a period instrument, for example, with musicological studies in early music), studies in contemporary music (including, for example, composition and analysis of contemporary music), collaborative arts (applied study in collaborative arts, for example, with relevant work in musicology or music theory), or vocal pedagogy and voice science. All applied study in such minors is subject to approval by appropriate area faculty and must be on the graduate level. The minor field should be selected in consultation with, and is subject to the approval of, the chair of the student's doctoral committee and the Director of Graduate Studies. The minor field must be declared by the end of the first year of study using the appropriate form.

Juries

Jury requirements at the doctoral level vary by area of study; students should consult with their major professor for more information and specific requirements.

Minor Field

Doctoral students must select a minor field, study in which comprises twelve credits of graduate-level coursework. The most common minor fields are in musicology (ethnomusicology, music history, or music literature) and music theory. Other options may include music education, a field outside music (students may have to satisfy prerequisites before enrolling in courses offered in other university departments), or an applied/research minor in music comprising six credits of applied instruction and six credits of research-oriented coursework (i.e., in musicology or music theory). This last option may include work in early music (applied work on a period instrument, for example, with musicological studies in early music), studies in contemporary music (including, for example, composition and analysis of contemporary music), collaborative arts (applied study in collaborative arts, for example, with relevant work in musicology or music theory), or vocal pedagogy and voice science. All applied study in such minors is subject to approval by appropriate area faculty and must be on the graduate level. The minor field should be selected in consultation with, and is subject to the approval of, the chair of the student's doctoral committee and the Director of Graduate Studies. The minor field must be declared by the end of the first year of study using the appropriate form.

Music 6300: Introduction to Research Methods in Musicology



Introduction to Research Methods in Musicology is a prerequisite for graduate-level music history and literature courses. (Note that the prerequisite for MUSI 6300 is satisfaction of deficiencies in music history, either by successfully completing the diagnostic exam in music history or by passing the graduate-level Survey of Music History review course; see above, under "Diagnostic Exams.") MM students must complete MUSI 6300 at the first available opportunity; MM students are required to complete MUSI 6300 before enrolling in graduate-level coursework in music history. DMA students are also required to take MUSI 6300 unless the requirement is waived on the basis of materials submitted as part of their application to the school of music. DMA students will be required to take MUSI 6300 at their first available opportunity (which in most cases will be in their first term of study).

Electives

Some DMA degree programs allow for electives. Electives may be satisfied with graduate-level (6000-level or above) music courses or, pending approval of the Director of Graduate Studies, other courses in a different university department that may be considered an enhancement of a student's degree objective. No additional hours of doctoral document research or doctoral essay research (MUSI 8299) beyond the amount required in the degree will satisfy a free elective requirement or any other degree requirement; additional hours of applied study in the major area will not satisfy a free elective requirement or any other degree requirement.



Graduate Faculty

SCHOOL OF ART

Cheryl Beckett. Associate Professor of Art-Graphics. B.F.A., M.A., M.F.A, Western Michigan University.

Suzanne Bloom. Professor of Art, Photography/Digital Media. B.F.A., M.F.A., University of Pennsylvania.

Jillian Conrad. Assistant Professor of Art-Sculpture. B.A., Saint John's College (Santa Fe); M.F.A., Rhode Island School of Design

Sarah K. Costello. Instructional Assistant Professor of Art History. B.A., Georgetown University; M.A., Bryn Mawr College; Ph.D., Binghamton University, State University of New York.

M. Beckham Dossett. Associate Professor of Art-Graphics. B.F.A., University of Texas at Austin; M.F.A., Cranbrook Academy of Art.

Sibylle Hagmann. Associate Professor of Art-Graphics. B.F.A., Basel School of Design; M.F.A., California Institute of the Arts.

John Hanna. Associate Professor of Art. Interior Design. B.F.A., Art Center School; M.F. A., University of Illinois.

Rachel Hecker. Associate Professor of Art-Painting. B.F.A., Moore College; M.F.A, Rhode Island School of Design.

Edward Hill. Professor Emeritus of Art-Photography/Digital Media. B.F.A., Rhode Island School of Design; M.F.A., Yale University.

Stephan Hillerbrand. Assistant Professor of Art-Photography/Digital Media. B.F.A., Southern Methodist University; M.F.A., Cranbrook Academy of Art.

Cathy S. Hunt. Instructional Assistant Professor of Printmaking. B.S., University of Illinois; M.F.A., University of Houston

David L. Jacobs. Professor of Art-Photo History/Criticism. B.A., University of Cincinnati; M.A., Ph.D., University of Texas at Austin.

Paul Kittelson. Associate Professor of Art-Sculpture. B.A. University of California, Santa Barbara; M. F. A., University of Houston.

Rex Koontz. Director and Associate Professor of Art History. B.A., American College in Paris, France; M.A., Ph.D., University of Texas at Austin.

Abinadi Meza. Assistant Professor of Art-IPEF. B.F.A. University of Minnesota; M.F.A. Southern California Institute of Architecture.

Fiona McGettigan. Associate Professor of Art-Graphics. B.A., Mercyhurst College; M.F. A., Cranbrook Academy of Art.

Delilah Montoya. Associate Professor of Art-Photography/Digital Media. B.A., M.A., M.F. A., University of New Mexico.

Katrina Moorhead. Assistant Professor of Art-Sculpture. B.A. and M.A., Edinburgh College of Art.H. Rodney Nevitt, Jr. Associate Professor of Art History. B.A., Rice University; M.A., William College; Ph.D., Harvard University.

Dana Padgett. Instructional Assistant Professor of Art History. B.S., Vanderbilt University; M.F.A., University of Houston.

Aaron Parazette. Professor of Art-Painting. B.A., University of South Florida; M.F.A., Claremont Graduate School.

John Reed. Professor of Art-IPEF. B.F.A., Temple University; M.F.A., University of California San Diego.

Raphael Rubinstein. Professor of Art. B.A., Bennington College. Jenni Sorkin. Assistant Professor of Art History-Critical Studies. B.A. Art Institute of Chicago; M.A. and Ph.D. Yale University.

Alfred Souza. Professor of Art-Painting. B.S., M.F.A., University of Massachusetts.



Gael Stack. John and Rebecca Moores' Professor of Art-Painting. B.F.A., University of Illinois; M.F.A., Southern Illinois University.

Judith Steinhoff. Associate Professor of Art History. B.A., Sarah Lawrence College; M.F. A., Ph. D., Princeton University.

Sandra Zalman. Assistant Professor of Art History. B.A. University of California, Berkeley; M.A. and Ph.D. University of Southern California.

Moores School of Music

Robert Bates. Professor of Music. B.A. Wayne State University; M.M. Southern Methodist University; Advanced Diploma, Conservatoire à Rayonnement Régional de Rueil-Malmaison; Ph.D., Stanford University.

Paul Bertagnolli. Associate Professor of Music. B.M., University of Wyoming; M.A., McMaster University; M.M., Yale University School of Music; Ph.D., Washington University.

David Bertman. Associate Director, Moores School of Music; Associate Professor of Music. B.M.E., University of Oklahoma; M.M., University of Houston.

Cynthia Clayton. Associate Professor of Music. B.A. University of California, Los Angeles; M.M., University of Southern California.

Andrew Davis. Director, Moores School of Music; Margaret M. Alkek and Margaret Alkek Williams Endowed Chair; Associate Professor of Music. B.A., The Pennsylvania State University; M.M., University of Massachusetts at Amherst; Ph.D., Indiana University.

Matthew Dirst. Professor of Music. Prix de Virtuosite (Organ) Prix d'Excellence (Harpsichord), Conservatoire à Rayonnement Régional de Rueil-Malmaison. B.M., University of Illinois; M.M., M.S.M., Southern Methodist University; Ph.D., Stanford University.

Aaminah Durrani. Clinical Assistant Professor of Music. B.A.; University of Miami, M.A., Harvard University; M.A., American University in Cairo; B.M., M.M., University of Houston; Ph.D., Louisiana State University.

Joseph Evans. Professor of Music. B.A., M.M., University of North Texas.

Dan Gelok. Instructional Assistant Professor in Music. B.M.E., Indiana University at Bloomington; M.M., University of Massachusetts at Amherst.

Andrzej Grabiec. Professor of Music. B.M., Polish State Music School; M.M., Karol Szymanowski Academy of Music.

Erin Hansen. Assistant Professor of Music. B.A., Michigan State University; M.M., University of Michigan; Ph.D., University of Michigan.

Charles S. Hausmann. Professor of Music. B.M.E., Westminster Choir College; M.A., Trenton State College; D.M.A., University of Missouri at Kansas City.

Timothy Hester. Professor of Music. B.M., University of Houston; M.M., Juilliard School of Music.

Timothy Jones. Associate Professor of Music. B.M., Centenary College; M.M., D.M.A., University of Michigan.

Julie Kastner. Assistant Professor of Music. B.M.E., University of Illinois at Urbana-Champaign; M.M., Ph.D., Michigan State University.

Timothy Koozin. Professor of Music. B.A., California State University; M.M., Ohio University; Ph.D., University of Cincinnati.

Franz Anton Krager. Professor of Music. B.M., M.M., University of Michigan.

Barbara Rose Lange. Associate Professor of Music. B.M., Montana State University; M.M., University of Wyoming; Ph.D., University of Washington.



Noe J. Marmolejo. Associate Professor of Music. B.M., Southern Methodist University; M.M., University of Houston.

Marcus Maroney. Associate Professor of Music. B.M., University of Texas; M.M., Yale University.

Tali Morgulis. Associate Professor of Music. B.M., M.M., Tel-Aviv Academy of Music; D.M.A., New England Conservatory.

Jeb Mueller. Assistant Professor of Music. B.M., Texas Tech University; M.M., University of Texas; D.M.A., University of Miami.

Howard J. Pollack. Rebecca & John J. Moores Professor of Music. B.M., University of Michigan; M.A., Ph.D., Cornell University.

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School of Theatre and Dance

Edward Albee. Distinguished University Professor of Theatre.

Carolyn Houston Boone. Associate Professor of Theatre. B.A., Louisiana Polytechnical Institute; M.A., Sam Houston State University; M.F.A., University of Houston.

Brian Byrnes. Associate Professor of Theatre. B.A., University of Iowa; M.F.A., University of Pittsburgh.

Sara Becker. Assistant Professor of Theatre. B.A., Fordham; M.F.A., University of Wisconsin.

Teresa Chapman. Assistant Professor of Theatre. B.F.A., University of Southern California, Santa Barbara; M.F.A., California State University, Long Beach.

Jackie DeMontmollin. Clinical Assistant Professor. M.Ed., Concordia University.



Jim Johnson Assistant Professor of Theatre. B.A., Buena Vista College; M.F.A., University of Nebraska/Lincoln

Jonathan M. Middents. Associate Professor of Theatre. B.A., Rice University; M.F.A., Florida State University.

Stuart Ostrow. Distinguished University Professor of Theatre.

Kevin Ridgon. Professor of Theatre. Member of United Scenic Artists.

Robert Shimko. Assistant Professor of Theatre. B.A., Hartwick College; M.A. University of Minnesota; Ph.D., University of Minnesota.

Karen Stokes. Head of Dance Division-School of Theatre and Professor of Dance. B.F.A., Ohio State University; M.F.A., University of California, Los Angeles.

Claremarie Verheyen. Associate Professor of Theatre. B.A, St. Norbert College; B.F.A., University of Wisconsin; M.A., Illinois State University; M.F.A., California Institute of the Arts.

Paige Willson. Clinical Assistant Professor. B.F.A., University of Louisiana Lafayette; M.F.A., University of Houston.

Jack Young. Head of Professional Actor Training Program. Associate Professor of Theatre. B.A., Virginia Tech; M.F.A., University of Washington.



C. T. Bauer College of Business

Programs

Master

- Business Administration, MBA
- Executive MBA Option

Doctoral

- Business Administration, PhD

Accelerated Program

- Accelerated BBA/MS - Various

Department of Accountancy & Taxation

Programs

Master

- Accountancy, MSAcy

Graduate Certificate

- Advanced Internal Audit Certificate
- Applied Data Analytics in Accounting, Certificate
- Assurance/Finance Reporting Certificate
- IT Systems Risk Management Certificate
- Oil & Gas Accounting Certificate
- Taxation Certificate

Department of Decision & Information Sciences

Programs

Master

- Business Analytics, MS
- Management Information Systems, MS
- Supply Chain Management, MS

Graduate Certificate

- Business Analytics Certificate
- Business Modeling and Decision Making Certificate



- • Supply Chain Management Certificate

Department of Finance

Programs

Master

- • Finance, MS
- • Finance, MS - Quantitative Specialization Option
- • Global Energy Management, MS

Graduate Certificate

- • Corporate Finance Certificate
- • Economics of the Energy Value Chain Certificate
- • Energy Finance Certificate
- • Energy Investment Analysis Certificate
- • Energy Risk Management Certificate
- • Financial Services Management Certificate
- • Investment Analysis Certificate
- • Investment Banking and Private Equity Certificate
- • Real Estate Certificate
- • Wealth Management Certificate

Department of Management and Leadership

Programs

Master

- • Management and Leadership, MS

Graduate Certificate

- • Global Management Certificate
- • Human Resource Management Certificate
- • Leadership Development Certificate

Department of Marketing & Entrepreneurship

Programs

Master



- • Entrepreneurship, MS
- • Marketing, MS
- • Sales Leadership, MS

Graduate Certificate

- • Business Consulting Certificate
- • Digital Marketing Management Certificate
- • Entrepreneurship Certificate
- • Marketing Analysis Certificate
- • Product Management Certificate
- • Sales Leadership Certificate

Dual Degree Programs

Programs

Dual Degree - Graduate

- • Doctor of Jurisprudence, JD/MBA
- • History, MA/JD
- • Hospitality Management, MS/MBA
- • Social Work, MSW/MBA



About the C.T. Bauer College of Business

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Associate Dean, Graduate and Professional Programs

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Master of Science in Finance Program

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Master of Science in Global Energy Management Program

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Master of Science in Management Information Systems Program

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Master of Science in Supply Chain Management Program

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Associate Dean of Research:

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Assistant Dean of the Elizabeth D. Rockwell Career Services Center:

Jamie K. Belinne, M.S., Loyola University-New Orleans



Executive Director of Business Operations:

Sara Brown, M.B.A., University of Houston

Director of Registration and Academic Records:

Mary Rendon Gould, M.A., Boston University

General Information

The C.T. Bauer College of Business offers master's degree programs that have an emphasis in business and administration, and a doctoral program in which students may concentrate in one of several business administration disciplines.

The Master of Business Administration (MBA) degree is a fully-accredited curriculum that prepares students with the professional skills necessary to manage within a modern global business. The degree program emphasizes practices that benefit the individual, the organization, and the social and economic environment. In addition, the curriculum requires students to master topics in accounting, economics, finance, marketing, production, quantitative methods, computer applications, management, and corporate strategy and policies.

While there are several thousand educational institutions granting graduate degrees in management, the University of Houston is one of approximately 620 colleges whose master's program is accredited by the Association to Advance Collegiate Schools of Business, International (AACSB International).

Admission to the MBA program is open to qualified applicants who have bachelor's degrees from recognized colleges or universities, regardless of the undergraduate field of study. Because Houston is a dynamic business center, the Houston MBA program provides the flexibility necessary to accommodate a wide range of student needs and also gives students extensive opportunities to network with their classmates, enhancing their experience in the program. The Professional MBA is designed for fully employed students who wish to pursue their education in the evening, without interrupting their career. The Full Time MBA program is available to students who can make a full-time commitment to their education, and encourages internships, networking opportunities and other co-curricular programming and activities to enhance or transition their careers.

The Executive program option for the MBA degree is designed for more experienced applicants with substantial professional experience. The program includes the same course requirements and contact hours as the MBA curriculum, with a series of executive enrichment activities for participants. The program's objectives are to prepare participants for undertaking managerial assignments that require a heightened level of responsibility, a sharpening of the participant's managerial skills, and an increased understanding of the political, social, and economic forces that affect an executive's future. Two programs are offered: Global Leadership and Global Energy. The two program options provide opportunities for educational enhancement without an interruption to the students' professional careers.

A number of joint master's degree programs are offered which may be pursued on a part- or full-time basis. Other programs at the University of Houston that may be combined with the Master of Business Administration include the Doctor of Jurisprudence (MBA/JD), BS Industrial Engineering BSE/MBA, the MS in Industrial Engineering (MSIA/MBA), the Master of Hospitality Management (MBA/MHM), the Doctor of Pharmacy (PharmD/MBA) and the Master of Social Work (MBA/MSW).

The Master of Science in Accountancy program is for students who plan to concentrate in the fields of financial, managerial, and tax accounting. The degree provides a balanced background in a variety of business areas, as well as specific competencies in accountancy and taxation. Students' degree plans are structured to complement their previous academic backgrounds. Students who are interested in this degree, but who have career and time constraints, may complete the program by attending on a part-time, evening basis.

The Master of Science in Finance is a fully accredited program designed to provide a focused, intensive course of study in security valuation, trading and corporate financial management. Coursework is designed for both working professionals and full-time students who are



interested in careers in finance, preparing students for the increasingly complex and technical world facing finance professionals. The program curriculum is aimed at the needs of the financial professional and provides an excellent background for all levels of the CFA examinations.

The Master of Science in Global Energy Management program exploits the city of Houston as the "energy capital of the world." The program focuses on the business of energy and effective management skills. Coursework in the program includes areas such as upstream economics, petrochemical and refining economics, energy value chain, human resource management in the oil and gas industry, strategic management in the oil and gas industry, energy trading, and energy supply chain management. The program curriculum is aimed at professionals who want a graduate degree focused on effective management in the energy industry.

The Master of Science in Supply Chain Management program addresses the creation and delivery of products from suppliers to the final customer. Supply chain management is a rapidly growing business discipline being driven by advanced applications of information technology and the important role of supply chain management in an increasingly global economy. With global operations becoming more complex, companies in manufacturing, retail and technology, along with the consulting firms that service them, find themselves in need of people with supply chain expertise. The program is structured with required courses in business fundamentals, the supply chain core (e.g., demand and supply integration, logistics management, sourcing and procurement, contracting and negotiation) and supply chain analytics (supply chain analysis and design, supply chain optimization, and quality and productivity management).

The Master of Science in Marketing program allows students to develop skills that will push them forward in marketing careers. Students can strengthen their skills in traditional brand and product management, including new product development and technology commercialization. Students can also build specialized skills in areas such as marketing analytics, digital/interactive marketing, or business to business sales and marketing.

The Master of Science in Management Information Systems program is targeted to develop professionals in the areas of database administration, network and computer system administration, software development, information security analysis, web development, and computer and information systems management. The program consists of required courses in systems analysis and design, object-oriented programming, database management systems, project management, client server technology and the administration of MIS. Electives are offered in a wide array of areas, such as open source systems, cloud and collaboration, user experience essentials IT auditing, network security and infrastructure, predictive analytics, business intelligence, and enterprise operations.

The college also grants a Doctor of Philosophy degree in six areas within business administration: accounting, finance, management, management information systems, marketing, and supply chain management. The doctoral program is strongly oriented toward research, and it endeavors to educate teacher-scholars capable of expanding the frontier of knowledge in these disciplines.

Students who have bachelor's degrees from recognized colleges or universities, regardless of the undergraduate field of study, may apply for admission to the Ph.D. program. Degree programs that suit the research interest of candidates are planned by graduate advisory committees within students' major areas. Although doctoral candidates have individualized degree plans, the college usually requires four years of course work, research, and teaching from all candidates who enter the program. The doctoral program requires full-time enrollment.



Admission Requirements: C.T. Bauer College of Business

General Requirements

For specific information about admission requirements and application deadlines for the MBA or MS Programs, please contact the Graduate and Professional Programs Office at mba@uh.edu, call (713) 743-0070 or visit the Graduate and Professional Programs website.

The C.T. Bauer College of Business does not grant conditional admission, nor does it have a non-degree seeking status at the graduate level.

Master of Science in Accountancy and Certificate in Accountancy Programs

Accountancy and Taxation Programs Office, 304 University Classroom and Business Building, 713-743-4696.

For information regarding the Master of Science in Accountancy Program (MSACCY), please contact the admissions advisor at 713-743-4878, email applymsaccy@uh.edu, or view the Master of Science in Accountancy website.

For information about the Certificate in Accountancy Program, please contact the CAP advisor at 713-743-5752, email applycap@uh.edu, or view the Certificate in Accountancy Program website.

The C.T. Bauer College of Business does not grant conditional admission, nor does it have a non-degree seeking status at the graduate level.



Academic Policies: C.T. Bauer College of Business

Changes of Major, Degree, and Classification

Students who wish to change their field of study, degree objective, or classification to one in the Bauer College of Business should obtain the appropriate petition and information packet from the Graduate Professional Programs Office. If admitted, students will be subject to college policies in effect during the semester for which the change is approved. Graduate students in the C. T. Bauer College of Business who wish to change from one program to another within the college should complete a General Petition requesting the change. Students who receive approval for the change will be subject to policies and degree plans in effect during the semester the change is approved. Graduate students in this college who wish to change to another graduate college at the University of Houston should consult the dean's office of that college for procedural information.

Dropping Courses

The last day to drop a course (or courses) is the date indicated in the current class schedule. Students taking courses in the college may not drop a C. T. Bauer College of Business course after that date.

Eligibility for Enrollment in Graduate Business Courses

All course work to be applied to the graduate business programs must be 6000-level or higher.

Students not enrolled as graduate students in the Bauer College of Business may take 6000-level (or above) courses in the Bauer College if they meet one of the following criteria:

- Have graduate standing on the University of Houston main campus; or
- Have received written permission from the Bauer College Dean, or designate, on a space-available basis.

Those enrolled as graduate students in the Bauer College of Business may take 6000-level (or above) courses provided they have the pre-requisites, or permission of the instructor where appropriate. Students not enrolled as graduate students in the Bauer College of Business may take 6000-level (or above) courses in the Bauer College with written permission from the Bauer College Dean, or designate, on a space-available basis.

Such students may enroll in a maximum of four graduate courses in the Bauer College (five courses for graduate students in the College of Hotel and Restaurant Management master's program). For both of these options, registration in additional graduate-level business courses would require approval from the Bauer College Office of the Dean, or designee

After completing these hours, students are no longer eligible to take graduate hours in the college unless prior approval is received in writing from the Office of the Dean, or a petition to change major and degree objective has been submitted and approved for a graduate program in the Bauer College of Business.

Undergraduate and postbaccalaureate students are ineligible to enroll in graduate-level courses in business administration and will be dropped from any such courses for which they enroll. Drops can be generated by either the instructor or the Graduate Professional Programs Office. Only students in the Professional Program in Accounting are granted an exception to take two graduate accounting classes in their senior year.

Graduate Classification



Students are classified as graduate students in the Bauer College only after their application for admission has been approved by the Bauer College. Students must go through the formal application process in order to obtain this classification.

Inapplicable Graduate Credit

Graduate credit is not granted for correspondence courses, extension courses, advanced standing examinations, and courses taken prior to admission to a graduate program (except as outlined in the waiver/transfer policy for the graduate programs). The time limitation section specifies additional restrictions. Also, although grades of D+ and lower are included in the computed grade point average, the university awards no credit toward the degree for courses in which the student receives a grade below C-.

Prerequisites and Corequisites

Admission to a graduate program on this campus of the University of Houston System is a prerequisite for enrollment in any C. T. Bauer College of Business course numbered 6000 or higher. Students must meet the prerequisite and corequisite requirements of the graduate program to which they are admitted. Prerequisites to the programs are listed with each individual graduate program section. Prerequisites to individual courses are indicated under each course title and are strictly enforced.

Course Load Information

Prior to admission, C. T. Bauer College of Business does not have a course load requirement. However, after admission into the program, international students with an F-1 visa are required to be full-time students, which translates into a minimum of 9 credit hours per semester.

Special Problems Courses

A master's or doctoral-level student who is interested in doing an independent study or research project may make arrangements to work individually with a faculty member by signing up for a special problems/independent study course. No more than six semester hours of special problems credit may count as electives toward the business administration graduate degree requirements.

Graduation Honors

The Dean's Award for Academic Excellence is a college-based honor awarded to students who complete their graduate degrees in business with a cumulative graduate grade point average of 3.70 or above. The graduate GPA does not include grades in any undergraduate courses the student may have taken while in the graduate program. Students earning the Dean's Award are mailed certificates following their graduation from the program. The designation does not appear on the University of Houston diploma.

Termination of Enrollment

Students must maintain a satisfactory rate of progress toward the degree. Satisfactory progress is measured by several means, including timely completion of courses required for the degree and maintenance of a minimum grade point average of 3.00 (A=4.00). In addition, the University's 4C Rule applies. A graduate student who receives a grade of C+ or lower in 12 semester credit hours attempted at this institution for graduate credit or for application toward the graduate degree, whether or not in repeated courses, is ineligible for any advanced degree at this institution and will not be permitted to re-enroll for graduate study. Refer to the Academic Regulations section of this publication for other requirements. The Dean, or designate, may terminate enrollment at any time if the student's rate of progress is not satisfactory. If



enrollment is terminated, students will be notified with a written explanation. Copies of this notice and an explanation will be maintained in the student's file.



Concurrent Degree Program

The C.T. Bauer College of Business offers concurrent degree programs with a number of other colleges at the University of Houston.

Concurrent degree program opportunities available with other colleges at the University of Houston include the MBA/JD with the UH Law Center, the BS in Industrial Engineering/MBA (BSIE/MBA) and the MS in Industrial Engineering/MBA (MSIA/MBA) with the Cullen College of Engineering, the Master of Hospitality Management/MBA (MBA/MHM) with the Hilton College, the Doctor of Pharmacy/MBA (PharmD/MBA) with the UH College of Pharmacy, and the MSW/MBA with the UH Graduate College of Social Work.

Through the joint programs students can obtain two graduate degrees in a shorter period of time than if they were to pursue the same two degrees independently. The programs may be pursued on either a full-time or part-time basis within specific time limitations. Students graduate with both degrees in the same term.

Participation in any of the concurrent degree programs requires separate application to and acceptance by each of the participating schools. Applicants must meet the admission requirements of the two respective colleges before being admitted to a concurrent degree program. Further information may be obtained from the Graduate and Professional Programs office at the C. T. Bauer College of Business.



Scholarships and Financial Aid: C.T. Bauer College of Business

- Scholarships
- Financial Aid

Scholarships

All graduate students accepted into the C.T. Bauer College of Business are eligible to apply for Bauer College scholarships. In the 2013-2014 academic year, approximately 350 Bauer College students were awarded over \$1,120,000 in scholarships. Bauer College scholarships range from \$500 to \$5,000, and are competitively awarded by the Bauer College Scholarship Committee. Scholarships range on a basis of academic merit, financial need, and a combination of both. Almost all doctoral students receive fellowships and there is some scholarship support available to them, as well.

The specific criteria for each scholarship are established by the scholarship donors and the college. Applicants need to complete the single on-line Bauer College Scholarship Application form to be considered for all Bauer College scholarships for which they qualify. For scholarships that require financial need, students who are U.S. Citizens and permanent residents will need to fill out the FAFSA online. International students will fill out the Bauer Financial Aid Application for International Students and turn this directly into the Bauer College Scholarship Coordinator, along with the student's past six months' bank statements. These documents (and likewise FAFSA data) are utilized as financial need review material and confidential to the Scholarship Committee. Students are encouraged to apply as soon as they have been admitted to a Bauer graduate program since scholarships are awarded on a rolling basis, with the bulk of scholarships being awarded prior to the start of the academic year.

In addition to the annually-funded scholarships that may vary from year to year, the Bauer College has the following endowed Scholarships available for graduate students including, but not limited to:

- Bank of America Academic Success Scholarship
- Bauer Alumni MBA/EMBA Scholarship in Honor of Latha Ramchand
- Ruth and Ted Bauer Family Foundation Fellowship Endowment
- Charles T. Bauer- Full-Time MBA
- Charles T. Bauer- Part-Time MBA
- Greater Houston Business Ethics Roundtable
- EMBA Alumni Association
- Larry R. Furman Scholarship (DOCTORAL)
- Aron S. & Anaruth P. Gordon Scholarship
- Harry B. & Aileen B. Gordon Scholarship
- Houston Foundation for Continuing Education Scholarship
- Dan C. Jones and Yvonne W. Jones Scholarship
- Jesse H. Jones Business Leadership Development Program
- Robert L. and Ruth Kneebone Memorial Scholarship
- Richard Charles Kuriger IV MBA Scholarship Endowment
- William Laufman Memorial Scholarship
- The Minute Maid Company Foundation Scholarship
- Prudential Insurance Scholarship
- Wells Fargo Scholarship

Bauer College of Business Scholarship information and the on-line application form are found on the Bauer Scholarship web page, <http://www.Bauer.uh.edu/scholarships>. For questions, please contact:



Bauer College of Business Scholarships Office
334 Melcher Hall
Suite 320, Room E.
University of Houston
Houston, Texas, 77204-6021
(713)743-3842
kbvardeman@bauer.uh.edu

Financial Aid

Financial aid is available to citizens and eligible non-citizens who are enrolled in at least 6 hours. All applicants must complete the Free Application for Federal Student Aid (FAFSA) to be considered for financial need-based scholarships and other financial aid based on financial need. Bauer College students interested in scholarships from the Bauer College must also complete the Bauer College online Scholarship Application, found at <http://www.Bauer.uh.edu/scholarships>.

State and federal grants are available through programs administered by the University of Houston Student Financial Aid Office. These are very limited and are need-based. Graduate students primarily receive loans to cover their costs. Federal loans consist of the Stafford Loan (subsidized and/or unsubsidized). Stafford subsidized loans are loans that are need-based, and the interest on them is paid by the government while the student is enrolled in school. An unsubsidized loan begins accruing interest immediately after disbursement and is limited to \$20,500/year (a maximum of \$8500 of this amount is subsidized). Repayment for these loans begins 6 months after graduation or if the student drops below half-time enrollment. There are other loans available to students if these loans are not sufficient to cover cost of attendance, which can be discussed with a financial aid advisor.

The Bauer College of Business houses a financial aid advisor to serve its graduate students, located in the Bauer Graduate and Professional Programs Office, 320 Melcher Hall or via e-mail at drpineda@uh.edu.



C.T. Bauer College of Business

C.T. Bauer College of Business

Programs

Master

- Business Administration, MBA
- Executive MBA Option

Doctoral

- Business Administration, PhD

Accelerated Program

- Accelerated BBA/MS - Various

Department of Accountancy & Taxation

Programs

Master

- Accountancy, MSAcy

Graduate Certificate

- Advanced Internal Audit Certificate
- Applied Data Analytics in Accounting, Certificate
- Assurance/Finance Reporting Certificate
- IT Systems Risk Management Certificate
- Oil & Gas Accounting Certificate
- Taxation Certificate

Department of Decision & Information Sciences

Programs

Master

- Business Analytics, MS
- Management Information Systems, MS
- Supply Chain Management, MS

Graduate Certificate



- Business Analytics Certificate
- Business Modeling and Decision Making Certificate
- Supply Chain Management Certificate

Department of Finance

Programs

Master

- Finance, MS
- Finance, MS - Quantitative Specialization Option
- Global Energy Management, MS

Graduate Certificate

- Corporate Finance Certificate
- Economics of the Energy Value Chain Certificate
- Energy Finance Certificate
- Energy Investment Analysis Certificate
- Energy Risk Management Certificate
- Financial Services Management Certificate
- Investment Analysis Certificate
- Investment Banking and Private Equity Certificate
- Real Estate Certificate
- Wealth Management Certificate

Department of Management and Leadership

Programs

Master

- Management and Leadership, MS

Graduate Certificate

- Global Management Certificate
- Human Resource Management Certificate
- Leadership Development Certificate

Department of Marketing & Entrepreneurship

Programs

Master



- Entrepreneurship, MS
- Marketing, MS
- Sales Leadership, MS

Graduate Certificate

- Business Consulting Certificate
- Digital Marketing Management Certificate
- Entrepreneurship Certificate
- Marketing Analysis Certificate
- Product Management Certificate
- Sales Leadership Certificate

Dual Degree Programs

Programs

Dual Degree - Graduate

- Doctor of Jurisprudence, JD/MBA
- History, MA/JD
- Hospitality Management, MS/MBA
- Social Work, MSW/MBA

Master

Business Administration, MBA

The C. T. Bauer College of Business at the University of Houston is located in the heart of Houston and fuels the city's workforce. Our graduate students have the benefits of an on-campus education, a world-renowned faculty that provides personalized attention in classrooms of diverse professionals, and a strong network of Bauer alumni that dominates the Houston workforce - truly making the Bauer MBA, Houston's MBA.

The Full-Time MBA program is a **22 month** experience, built on a rigorous core curriculum, that also allows students a great deal of flexibility. Electives and graduate certificates within the program provide the specialized knowledge needed for success in a wide variety of careers in business. The Professional MBA program offers evening courses for the working professional, with flexible scheduling options. This **24 month** program also allows a great deal of flexibility in choosing electives and graduate certificates. Students in both the Full-Time and Professional formats of the MBA are supported by Bauer's Rockwell Center for Career Services.

The Full-Time MBA admits students for fall enrollment only, while the Professional MBA admits students in both the fall and spring semesters. Bauer MBA students are typically 29-30 years of age with 5-6 years of work experience and average GMAT scores of 610.

For further information please see <http://www.bauer.uh.edu/graduate-studies/prospective-students/mba/index.php>.

Admission Requirements



Admission eligibility for the Bauer MBA Program requires a four-year undergraduate degree (or foreign equivalent) from an accredited institution. The undergraduate degree may be in any discipline.

A complete application should include:

Application for Graduate Studies (see www.uh.edu/graduate-school/admissions/how-to-apply)

Transcripts

Domestic transcripts - official transcript from all higher education institutions attended

International Transcripts - one original transcript and degree certificate in the original language and the other must be an official English translation of the transcript.

Test Scores

Official GMAT or GRE scores, less than 5 years old

International applicants must submit a test of English language proficiency unless they have earned a high school diploma or bachelor's degree or a higher from a college or university in the US.

One of the following tests may be submitted to meet this requirement. Please note that scores over two years old will not be accepted.

Official PTE Academic (Pearson Test of English Academic) minimum of 70.

Official IELTS (International English Language Testing System) score above 6.5.

Official TOEFL (Test of English as a Foreign Language) score above 603 on the paper-based test or 100 on the internet-based test.

Non-refundable Application Fee(s)

An application fee is required of all applicants.

Additional Requirements for International Applicants

I-20 Transfer Form (if applicant has an I-20 from another institution)

International Address Form

Letter of Financial Backing

Copy of Passport

Full details can be found at www.uh.edu/graduate-school/admissions/international-students

NOTE: International students must have a four-year degree from an accredited university to apply for the MBA. Three-year degrees are not considered equivalent. There is no bridge program at UH. Students with a three-year degree will likely need to combine it with a completed master's degree from their home country before applying. Visit www.uh.edu/graduate-school/admissions/international-students/transcripts/ for additional information.

Resume

Goal Statement

Letter of Recommendation

Interviews

Interviews are required for applicants who have been selected to continue the admission process. Not every applicant is invited for an interview. The interviews are by invitation only.

Degree Requirements

Credit hours required for this degree: 48.0

The MBA Program is 48.0 credit hours; all coursework is at the graduate level.

The course for the Full-Time MBA total 22.5 credit hours. To complete the degree, the rest of the credit hours should be covered through electives. The list of the core courses for the Full-Time MBA can be found here: see below

The core courses of the Professional MBA total 21 credit hours. To complete the degree, the rest of the credit hours should be covered through the electives. The list of the core courses for the Professional MBA can be found here: see below



The number of core courses taken each semester and the order in which they are taken will depend on which scheduling option the student selects, Full-Time or Professional.

See Also: MBA Website <http://www.bauer.uh.edu/graduate-studies/current-students/academic-information/forms.php>.

Full-Time MBA Core Courses (22.5 Credit Hours)

ACCT 6331 - Financial Accounting **Credit Hours: 3.0**
BZAN 6310 - Quantitative Analysis for Business Decisions **Credit Hours: 3.0**
FINA 6A35 - Managerial Finance **Credit Hours: 1.5**
FINA 6387 - Managerial Analysis **Credit Hours: 3.0**
GENB 6350 - Business Communications **Credit Hours: 3**
MANA 6A25 - Ethical Leadership & Critical Reasoning **Credit Hours: 1.5**
MANA 6A32 - Organizational Behavior & Management **Credit Hours: 1.5**
MANA 6A83 - Strategic Analysis **Credit Hours: 1.5**
MARK 6A61 - Marketing Administration **Credit Hours: 1.5**
MIS 6A41 - Information Systems **Credit Hours: 1.5**
SCM 6A01 - Supply Chain Management Concepts **Credit Hours: 1.5**

Professional MBA Core Courses (21Credit Hours)

ACCT 6331 - Financial Accounting **Credit Hours: 3.0**
BZAN 6310 - Quantitative Analysis for Business Decisions **Credit Hours: 3.0**
FINA 6A35 - Managerial Finance **Credit Hours: 1.5**
FINA 6387 - Managerial Analysis **Credit Hours: 3.0**
GENB 6A50 - Business Communications **Credit Hours: 1.5**
MANA 6A25 - Ethical Leadership & Critical Reasoning **Credit Hours: 1.5**
MANA 6A32 - Organizational Behavior & Management **Credit Hours: 1.5**
MANA 6A83 - Strategic Analysis **Credit Hours: 1.5**
MARK 6A61 - Marketing Administration **Credit Hours: 1.5**
MIS 6A41 - Information Systems **Credit Hours: 1.5**
SCM 6A01 - Supply Chain Management Concepts **Credit Hours: 1.5**

Electives

MBA candidates must take a minimum of nine 7000-level or above business elective courses totaling 27 credit hours to complete the degree. Two UH graduate-level electives outside the Bauer College of Business may be counted toward the degree *subject to prior approval from the MBA Program Office*. These electives would be three-credit courses, taken for a letter grade, and integrally related to the advanced study of business.

Electives can be selected from the following business areas:

Accountancy and Taxation	Business Analytics	Finance
General Business	International Business	Management
Marketing and Entrepreneurship	Management Information Systems	Supply Chain Management



Due to prerequisites, a limited number of the graduate accounting courses are open to MBA students; if you plan to focus your graduate studies on accountancy and taxation, you may want to consider the MS Accountancy program.

In the elective section, students may choose from the following three paths:

Free Electives Path: A variety of courses may be taken from across the college in support of a generalist theme.

Focused Path: 12 hours or more may be taken in a single department to focus on a specific functional area (for example, MIS or Finance).

Certificate Path: 9-18 hours may be taken toward a certificate in a specialized area. Students selecting this option will be awarded a certificate in addition to the MBA diploma upon completion of their degree.

Joint Degrees

The Bauer College of Business offers a number of joint master's degree programs, which may be pursued on a part- or full-time basis. Programs at the University of Houston that may be combined with the Master of Business Administration include the following:

Doctor of Jurisprudence, JD/MBA
Hospitality Management, MS/MBA
Industrial Engineering, MIE/MBA
Social Work, MSW/MBA
Doctor of Pharmacy (MBA/PharmD)

For all of these joint degree programs, it is necessary to apply separately and meet admissions requirements for both programs. (For example, MBA/JD applicants must take both the GMAT or GRE and the LSAT tests.) Once students have been admitted to the first graduate program, they must gain admission to the other within one calendar year. The MBA program will allow 12 hours of MBA electives to be filled by courses from the other program. Students will receive two diplomas, and must file for graduation with both degrees in the same semester.

Contact Information for Joint Degrees

MBA/JD

Law Center
(713) 743-2280
<http://www.law.uh.edu/admissions/>

MBA/MS

Hospitality Management
(713) 743-2457
<http://www.hrm.uh.edu/>

MBA/MIE

Industrial Engineering
(713) 743-4180
<http://www.egr.uh.edu/ie/graduate/>

MBA/MSW



Social Work
(713) 743-8082
<http://www.sw.uh.edu/>

MBA/PharmD

Pharmacy
(713) 743-1261
<http://www.uh.edu/pharmacy/prospective-students/pharmd/admissions-requirements/>

Academic Policies

College Academic Policies
University of Houston Academic Policies

MBA Academic Policies

All MBA candidates are expected to have computer literacy in the areas of word processing, spreadsheet analysis, databases, PowerPoint, and the use of the Internet. Students who do not have these competencies are expected to acquire this knowledge prior to enrollment in the program. At UH an appropriate undergraduate course equivalent is MIS 3300.

To take Masters' level courses (6000-7000 level) in the C. T. Bauer College of Business, students must have graduate standing at UH and meet the specific prerequisites for courses as listed in the course prerequisites section. A **prerequisite** must be completed **prior** to the start of the course for which it is a prerequisite.

None of the 48 credits required for the MBA degree may be waived. Transfer hours are also not accepted. In rare cases, waivers of a core course may be allowed with substitution of a higher level course in that area. On occasion, students close to degree completion who relocate due to a job transfer may be allowed to transfer in some elective credits with approval from the Assistant Dean and Advisor.

Student records of prerequisites taken

Prerequisites must be evaluated and automated on the Bauer College of Business prerequisite checking computer program before students take courses for which the prerequisites are required. Students in masters' level business programs with questions regarding their records should consult with a graduate advisor in 424 University Classroom and Business Building (UCBB). Students in other graduate programs on campus should provide the graduate advisor in the Bauer College of Business, MBA Program Office, 424 University Classroom and Business Building (UCBB), with a copy of their transcript indicating completion of a calculus course and any other required prerequisites, prior to the start of the semester.

Course and Program Policies

If a course is cross-listed under two departments, students will receive credit for only one of the cross-listed courses.

The 5000-level courses in the Certificate in Accountancy Program (CAP) can be used to waive prerequisites for graduate-level accounting courses, but will not count as graduate credit toward degree requirements for the MBA, MS in Accountancy, or MS in Finance.

Graduate students are not permitted to enroll in undergraduate business courses in the Bauer College of Business.

Undergraduate and post baccalaureate students are ineligible to enroll in graduate-level courses in the Bauer College and will be dropped from any such courses for which they enrolled. Drops can be generated by either the instructor or the Graduate and Professional Programs



Office. Only students in the Professional Program in Accounting and the BSIE/MBA joint program are granted an exception to take two graduate courses in their senior year.

Effective Term of Admission

Admission to the Full-time MBA program is granted only for the Fall term. The Professional MBA program admits students for either the Fall or Spring term; admission is granted for a specific term. If students wish to postpone enrollment, they must notify the Bauer Graduate & Professional Programs Office in writing and secure approval to defer their start date. The first term in which students, as graduate students, complete graduate-level course work that applies toward a degree, is the effective term of admission.

Graduate Classification

Students are classified as graduate students in the Bauer College only after their completed application for admission has been approved by the Bauer College. Students must go through the formal application process in order to obtain this classification.

Prerequisites and Corequisites

Admission to a graduate program on this campus of the University of Houston System is a prerequisite for enrollment in any C. T. Bauer College of Business course numbered 6000 or higher. Students must meet the prerequisite and corequisite requirements of the graduate program to which they are admitted. Prerequisites to the programs are listed with each individual graduate program section. Prerequisites to individual courses are indicated under each course title and are strictly enforced.

Transfer Policy

The Bauer MBA program does not accept transfer credit for students who have started an MBA program at another institution. Bauer MBA students who relocate due to a job transfer and are close to graduation should meet with an MBA academic advisor to discuss options regarding completion of their degree.

Waiver Policy

None of the 48 credit hours required for the MBA degree may be waived.

Inapplicable Graduate Credit

Graduate credit is not granted for extension courses, advanced standing examinations, or courses taken prior to admission to a graduate program. The time limitation section specifies additional restrictions. Also, although grades of D+ and lower are included in the computed grade point average, the university awards no credit toward the degree for courses in which the student receives a grade below C-.

Special Problems Courses

A master's or doctoral-level student who is interested in doing an independent study or research project may make arrangements to work individually with a faculty member by signing up for a special problems/independent study course. No more than six semester hours of special problems credit may count as electives toward the business administration graduate degree requirements.



Dropping Courses

The last day to drop a course (or courses) is the date indicated in the University's academic calendar. The C. T. Bauer College of Business cannot override the drop dates set by the University of Houston. Please refer to Student Business Services for information regarding deadlines to drop a course with and without a refund. Students who are dropping all their courses in a given semester must withdraw before the first class day in order to obtain a full refund.

Continuous Enrollment

Unless students petition for a leave of absence, they should maintain continuous enrollment during the fall and spring semesters. Students who are out of the program for more than one calendar year will be under the jurisdiction of the catalog in effect at the time of their reentry. Students who fail to maintain continuous enrollment for more than two calendar years must apply for reinstatement to the program through a petitioning process, pay the Bauer College application fee again, submit an updated resume, and meet the admission requirements in effect at that time.

Graduation Honors

The Dean's Award for Academic Excellence is a college-based honor awarded to students who complete their graduate degrees in business with a cumulative graduate grade point average of 3.70 or above. The graduate GPA does not include grades in any undergraduate courses the student may have taken while in the graduate program. Students earning the Dean's Award are mailed certificates by the College. The designation does not appear on the University of Houston diploma.

Termination of Enrollment

Students must maintain a satisfactory rate of progress toward the degree. Satisfactory progress is measured by several means, including timely completion of courses required for the degree and maintenance of a minimum grade point average of 3.00 (A=4.00). In addition, the University's Low Grade Policy applies. A graduate student who receives a grade of C+ or lower in 12 semester credit hours attempted at this institution for graduate credit or for application toward the graduate degree, whether or not in repeated courses, is ineligible for any advanced degree at this institution and will not be permitted to re-enroll for graduate study. The Dean, or designate, may terminate enrollment at any time if the student's rate of progress is not satisfactory. If enrollment is terminated, students will be notified with a written explanation. A hold will be placed on your account with the Office of the University Registrar and you will be unable to continue with graduate classes at this university.

Changes of Major, Degree, and Classification

Students who wish to change their field of study, degree objective, or classification to one in the Bauer College of Business should contact the Graduate & Professional Programs Office. If admitted, students will be subject to college policies in effect during the semester for which the change is approved. Graduate students in the C. T. Bauer College of Business who wish to change from one degree objective to another within the College should complete an online application form at <https://www.applyweb.com/uhouston/index.ftl>. Students who receive approval for the change will be subject to policies and degree plans in effect during the semester the change is approved. Bauer graduate students who wish to change to another graduate college at the University of Houston should consult the dean's office of that college for procedural information.

Non-Business Majors at the University of Houston



On a space-available basis, non-business majors in good standing in other graduate programs at the University of Houston main campus may take up to 12 semester hours (15 hours for HRM graduate students) of Masters' level business courses as long as they meet the specific prerequisites (or have taken equivalent prerequisite courses in their own program). After completing these hours, students are no longer eligible to take graduate courses in the Bauer College unless an application for a new degree objective and major in the Bauer College of Business has been submitted and approved.

MBA courses taken by students in other UH colleges who have not been admitted to a Bauer College graduate program may not be applied to a future MBA degree at UH.

Executive MBA Option

Celebrating more than thirty years of excellence for executives, the University of Houston's C.T. Bauer College of Business delivers a premier Executive MBA Degree program, offering quality education, outstanding faculty, and team-based learning.

The Executive Degree Programs offer a fully accredited MBA degree, with scheduling options that will meet both professional and development needs of upcoming managers and executives. These options are all-inclusive cohorts, presented in a lock-step format that acknowledges the demanding schedule of working professionals.

Program I is a 24-month program that meets on Monday and Thursday evenings from 5:30 - 9:30 p.m.

Program II is the oldest EMBA Program at UH. This 18-month program meets on Fridays and Saturdays from 8:00 a.m. - 5:00 p.m. on alternating weekends.

The Woodlands Program is a 21-month program located on the Lone Star College campus that meets Tuesday evenings from 5:30 to 9:30 p.m., and one Saturday per month from 8:00 a.m. to 5:00 p.m.

All Executive MBA Program applicants must meet the following requirements:

A bachelor's degree in any discipline

Significant business and professional experience of at least seven years

Potential for continued professional growth. Each applicant is evaluated on individual potential for senior management

Application (\$75 non-refundable fee)

Resumé

Two official transcripts from all colleges and universities attended

Two letters of appraisal

Personal interview (an interview will be scheduled after your application is reviewed and approved)

Additional information on these options is available from the Executive MBA Programs Office, <http://www.bauer.uh.edu/graduate-studies/prospective-students/executive-mba/>.

Doctoral

Business Administration, PhD

Doctoral Program

Please visit the Bauer Doctoral Program website (www.bauer.uh.edu/Doctoral/) for current PhD Program requirements.

Admission Requirements:



A faculty committee within the department of interest will evaluate applicants to the PhD program on several factors, including academic achievement as evidenced by transcripts from each college or university the applicant has attended, standardized test scores, career objectives, research interests, and the department's ability to match the student's aims and the available faculty.

Admission is a two-part process, meeting the technical requirements of the university and meeting the standards of the specific program a prospective student wants to enter. Enrollment in each program is limited, and meeting the university's admission requirements is thus not sufficient. Prospective students are strongly advised to e-mail the PhD Coordinator for the program of interest for information about the program.

Area of Study	Coordinator	Email
Accountancy & Taxation	Dr. Volkan Muslu	vmuslu@uh.edu
MIS (DISC)	Dr. Randolph Cooper	rcooper@uh.edu
Supply Chain Management (DISC)	Dr. Funda Sahin	fsahin@uh.edu
Finance	Dr. Kris Jacobs	kjacobs@bauer.uh.edu
Management	Dr. Dejun Tony Kong	dkong@bauer.uh.edu
Marketing	Dr. Ye Hu	yehu@uh.edu

Conditional admission to the PhD program is not possible, nor is part-time enrollment. These are programs solely to educate prospective university faculty members.

Admission requirements and information can be found on the Bauer Doctoral Programs webpage.

Program Requirements

The program requires continuous, full-time enrollment.

Degree Requirements:

Program of Study

The program of study fosters development in the primary areas of teaching and research that each student selects. All degree candidates must complete the following minimum requirements: 21 semester hours in the major field, twelve semester hours in the support field, nine semester hours in research, comprehensive examinations in the major field, an oral defense of the dissertation proposal, a minimum of 18 semester hours devoted to dissertation and research, and an oral defense of the dissertation.

Prior graduate-level elective course work may be applied toward the required course work if approved by the student's advisory committee. A maximum of 12 hours of prior graduate credit may be applied in total to the supporting field, major field, and research requirement.

Major Field



The major field is the area in which a student elects to take primary course work and to complete the dissertation research. Major fields are offered in accountancy and taxation, finance, management, management information systems, marketing, and supply chain management. A minimum of 21 semester hours is required in the major field, including a maximum of 12 hours applied from the elective courses in a completed master's program. Each major field has at least three hours of research seminar, which must be included in the program. The selection of specific courses will be determined by students and their advisory committee, consistent with departmental requirements, and subject to a maximum of six hours of special problems (independent study) courses.

Supporting Field

The secondary area of interest is called the supporting field. Supporting fields are offered within the college as well as in areas of study from outside the C.T. Bauer College of Business to augment the student's dissertation research in the major field. Such areas might include, but are not limited to, economics, anthropology, industrial engineering, law, mathematics, political science, computer science, psychology, and sociology.

Students must complete a minimum of nine semester hours in the supporting field. C.T. Bauer College of Business supporting fields must consist of 7000- and 8000-level courses. Selection of specific courses to fulfill this requirement will be made by the student, subject to the approval of the advisory committee. The department offering the supporting field may also have policies governing course selection to fulfill this requirement.

Research Requirement

Students must complete a minimum of twelve hours of research courses, including three hours of research in the major field. These courses must have either research methodology or statistical data analysis as their major emphasis, must meet all specific requirements of the department offering the major field, and must be approved by the advisory committee. Courses fulfilling this requirement cannot be double-counted toward fulfillment of the major field or supporting field course work requirements. Prior graduate credit may be applied toward this requirement, but is subject to the advisory committee's approval and to the limitations set forth under the section on program of study.

Comprehensive Examination

The comprehensive examination consists of a written and oral section in the major area. In addition to the following policies governing this examination, each major field within the C.T. Bauer College of Business has specific written policies and procedures governing the design, the administration, the timing, and the evaluation of exams. These policies and procedures will be made available to students at the time doctoral-level course work begins.

Administrative Responsibility

The responsibility for designing, administering, and evaluating written and oral examinations in the major area rests either with the faculty in that area or a subset of those faculty members, as determined by departmental policy.

Eligibility

The Associate Dean for Faculty Affairs will determine candidates' eligibility to sit for the comprehensive exam. The department must obtain a written statement of eligibility before candidates can sit for the exam. To be eligible, students must (1) have successfully completed all course work in the degree plan, (2) have successfully completed all additional departmental requirements, and (3) file a "Request for Comprehensive Examinations" form with the Bauer College Director of Registration and Academic Records in 262 Melcher Hall before the first day of classes in the term in which the exams are to be taken.



Scheduling

A student eligible to take the comprehensive exam must be offered the opportunity to do so within six months of becoming eligible and must sit for the exam within that time period in order to remain in good standing.

Written examinations shall be administered in the fall and spring terms. The department of the major area, at its option, may schedule a third examination opportunity between May and August, inclusive.

Oral Examination

Students must successfully complete the written examination in the major field before taking the oral examination. The oral exam must occur within four weeks of notification that the written examination has been passed. The oral examination is designed and administered either by the faculty of the major area or by a subset of those faculty members. The supporting field representative to the advisory committee will be given an opportunity to question students during the oral exam. All faculty in the C.T. Bauer College of Business will be notified of the oral examination at least five days prior to its scheduled time and will be invited to attend.

Notification of Results

Notification of results of the written exam in the major field will be provided to students in writing within two weeks of completion of each exam. The letter must be prepared in accordance with written departmental policies, and copies will be sent to the Office of Student Services and the major field PhD program coordinator.

Written notification of results of the oral examination will be provided to the student within 24 hours of the exam. In the case of student failure of either the written or oral examinations, the letter will cite the specific deficiencies that resulted in failure.

Examination Failures

In order to pass the comprehensive examination, students must pass the written examination in the major field and the oral examination. Failure of the written exam will prevent the scheduling of an oral exam.

Students have only two opportunities to pass the comprehensive examination. Any retake of the examination must occur at the next scheduled occasion that exams are offered. Students who fail the re-examination will be dismissed from the program.

A student may be exempted from retaking a portion of the comprehensive exam if written departmental policies specify a mechanism for such exemptions. In the absence of such policies, failure of a portion of the examination will require that the entire examination, both written and oral sections, be repeated.

Dissertation

The dissertation consists of significant scholarly research in the major area of study and represents the culmination of the doctoral studies. After successful completion of the comprehensive examination, students are allowed four years to complete the dissertation. If this requirement is not met, students must retake the comprehensive examination.

Designation of a Dissertation Chair



It is the student's responsibility to form a dissertation committee composed of faculty agreeing to supervise the student's work. No faculty member is obliged to serve. The selection of a dissertation chair will occur only after a student successfully completes the comprehensive examination. Students shall nominate as chair a faculty member having a tenure track appointment in the student's major field. The nominated faculty member will then prepare a brief description of his or her own research accomplishments demonstrating competence in research and scholarship and adequate qualifications to direct doctoral dissertations. Students must then petition the Associate Dean for Faculty Affairs to have the nomination approved. An approved dissertation chair must be selected within two months of the completion of the comprehensive examination.

Dissertation Committee

Students select the remaining committee members in consultation with the dissertation chair. The committee must be composed of at least four tenure track faculty members, at least two of whom must be from the major field, including the dissertation chair. An outside member may, under some circumstances, be a faculty member affiliated with another college or university. Full-time instructional faculty members may be added to a dissertation committee that meets the minimum standards described above. No faculty member is obliged to serve.

Members of the dissertation committee must also be approved by the Associate Dean for Faculty Affairs. This approval may occur at the same time the chair is approved; however, concurrent approvals are not a requirement. Approval must precede the scheduling of a dissertation proposal defense.

Changes in Committee Membership

Any changes in the composition of a dissertation committee must be approved by the Associate Dean for Faculty Affairs.

A member of a dissertation committee who leaves the active employment of the University of Houston must be replaced if:

- the member is the dissertation chair,
- the member does not agree to further advise the student,
- the member cannot participate either in the proposal or the dissertation defenses, or
- the dissertation is not successfully defended within the next long (i.e., fall or spring) term of the member's termination of active employment at the University of Houston.

The last condition does not apply if the member can qualify as an outside member of the committee.

Registration for Dissertation Credit

A minimum of 18 hours of academic credit is required for completion of the doctoral dissertation. Dissertation hours acquired before candidacy (i.e., before successful completion of the comprehensive examination) cannot be applied to this total.

Proposal Defense

Candidates will defend the dissertation proposal at an open meeting. The PhD program coordinator of the major field will distribute abstracts of the proposal to all faculty members in the college two weeks before the defense; a copy of the completed proposal will, at that time, be placed in the departmental office for inspection. All C.T. Bauer College of Business faculty and doctoral students will be invited to the defense. The formal conduct of the defense is the responsibility of the dissertation committee. The final decision to approve the proposal rests solely with the committee. While the committee may wish to take into consideration input from other members of the graduate faculty, they are under no obligation to do so. For students to pass the proposal defense, the committee must approve the proposal unanimously. A record of substantive criticisms and/or required modifications must be provided to students in writing.



Candidates must successfully pass the proposal defense within one year of completing the comprehensive examination. Failure to do so will require students to repeat the comprehensive examination process.

Final Defense

Candidates will defend the dissertation at an open meeting. The PhD program coordinator of the major field will distribute abstracts of the dissertation to all faculty members in the college two weeks before the defense; a final draft of the completed dissertation will, at that time, be placed in the departmental office for inspection. All C.T. Bauer College of Business faculty and doctoral students will be invited to the defense. The formal conduct of the defense is the responsibility of the dissertation committee. The final decision to approve the dissertation rests solely with the committee. While the committee may wish to take into consideration input from other members of the faculty, they are under no obligation to do so. For candidates to pass the final defense, the committee must approve the dissertation unanimously. A record of substantive criticism and/or required modifications must be provided to students in writing. Minor changes to the dissertation may be stipulated by the committee without requiring an additional dissertation defense.

Certification of Form

Written certification that the dissertation is complete and meets all the college requirements of format and style must accompany the dissertation at the time of its submission for binding. (See "Instructions for the Preparation and Submission of the PhD Dissertation, C.T. Bauer College of Business." This document is available in the Office of Student Services.) Certification is obtained from the Office of Student Services and must be requested at least two working days before the university dissertation filing deadline. Failure to meet this deadline will cause graduation to be delayed one term.

Additional Requirements

The Doctor of Philosophy degree is the mark of highest achievement in preparation for scholarship and research and as such requires continuous full-time enrollment. Only through exclusive commitment and interaction with faculty and other graduate students can the individual benefit from the PhD experience.

Advisory Committee

Each student must select, with the approval of the PhD program coordinator of the major field department, an advisory committee. Students who enter the program with the foundation course work requirements completed must appoint this committee during their first term. If the committee has not been established before the end of the first term, students will not be allowed to pay registration fees for the next term. Students who enter the program with either partial or no credit toward the foundation requirements must form the advisory committee before the end of the term that follows the one in which the students complete the three foundation courses in DISC and economics. The advisory committee must consist of at least two faculty members from the major field and at least one faculty member from the supporting field. The committee will advise students on course selection and other decisions that affect students before candidacy. Prior to the formation of an advisory committee, this responsibility rests with the PhD program coordinator. The advisory committee is dissolved upon completion of the comprehensive examination.

Members of the advisory committee may be changed with the approval of either the doctoral program coordinator of the student's major field or the department chair.

Degree Plan



Each student must file a degree plan that outlines the schedule and timing of course work in the PhD program. The degree plan must be filed with the Office of Student Services after being approved by the advisory committee and the PhD program coordinator of the major field.

The degree plan must be filed within one term of forming the advisory committee, or students will not be allowed to pay registration fees for the next term.

The degree plan may be modified with the approval of the advisory committee and PhD program coordinator; however, such changes must be approved and filed before students deviate from an existing degree plan.

Annual Review

Between May 1 and June 30 of each year, student progress will be evaluated in accordance with departmental policy. The evaluation will include one of four recommendations:

The student's progress is satisfactory in all regards, and the student should be retained in the program.

The student's progress has been unsatisfactory in some regards, and the student should be carefully counseled and monitored to eliminate these deficiencies.

The student's progress gives cause for serious concern, and the student should be placed on probation with a specified time for correcting the noted deficiencies.

The student's progress does not warrant continuation in the program, and the student should be dismissed from the PhD program. The annual evaluation will be transmitted in writing to students with a copy to the Associate Dean for Faculty Affairs. If a student is to be dismissed, the Associate Dean will take that action.

The department, at its option, may evaluate student progress at additional times throughout the academic year.

Grade Point Average

Students must achieve a grade point average of 3.25 (A=4.00) in all work applied toward the foundation course work requirement. Moreover, students must achieve a grade point average of 3.25 (A=4.00) in all graduate work attempted at the University of Houston, excluding courses taken to satisfy the foundation course work requirement and excluding dissertation credit. The student must achieve a grade of B- or better in each of the three courses counting toward the supporting field. Moreover, the student must achieve an overall grade point average of 3.25 (A=4.00) in the supporting field. A grade of at least B- must be achieved in the dissertation hours of the student's graduating term.

Grades of Incomplete

Courses taken by doctoral students, while rigorous and demanding in nature, are structured so that course requirements can be met within the allotted time. Accordingly, grades of incomplete are seldom awarded. A grade of incomplete (excluding dissertation) must be changed within one year or less, at the instructor's discretion, or the grade will automatically become an F.

Three-C Rule

Doctoral students who receive a grade of C+ or lower in three courses (nine semester hours), whether or not in repeated courses, are ineligible to continue in the program.

Continuous Full-Time Program Enrollment

Doctoral students must maintain continuous full-time enrollment. Full-time is defined as enrollment in 9 semester hours of course credit during both the fall and spring terms. Full-time enrollment (a minimum of six hours) is also required during the summer if the student uses



the university's resources at any time during the summer or if the student is on the college's financial support. Students should refer to the Graduate Student Policies (www.bauer.uh.edu/doctoral/policies/other.php#cont) for further information in regard to full-time enrollment.

Part-time enrollment is possible during the period in which students complete prerequisite or foundation course work; however, courses that a student takes during a term in which he or she takes less than a full load cannot be used to satisfy any of the doctoral course requirements in the major field, the supporting field, and research activities. Moreover, after any course is taken to fulfill a requirement other than either a prerequisite or a foundation course, full-time enrollment is required in all subsequent terms.

Candidates who have completed the requirement for enrollment in dissertation hours and who have lost in-state residency status for tuition purposes may satisfy the full-time enrollment requirement by registering for three hours of dissertation credit in each long term.

Residency Requirement

Following either the completion of the three college foundation courses in DISC and economics or the completion of an accredited master's degree, at least one year of full-time course work at the University of Houston (including six hours of study during the summer) must be accomplished to be eligible to sit for the comprehensive examination.

Students may also fulfill the residency requirement through full-time enrollment in three consecutive long terms.

Program Time Limitation

In addition to the requirement that the dissertation be completed within four years of the comprehensive examination, a limitation exists on the total length of study. Students who fail to successfully defend a dissertation within six years of completing the three college foundation courses (DISC and Economics) must retake the comprehensive examinations.

Doctoral Program Coordination

Each department will formalize a mechanism for administering the doctoral program. A PhD program coordinator, appointed by the department chair, will act on behalf of the department in admissions, advising, comprehensive examinations, committee formation, and progress monitoring.

Doctoral Information System

The Office of Student Services maintains the official file that monitors the progress of each doctoral student. Upon completion of a milestone, students' advisory committee chair or dissertation committee chair (or, in the absence of a chair, the PhD program coordinator) shall notify the Office of Student Services in writing that the milestone has been completed. Copies will be sent to students, all committee members, and the PhD program coordinator for the major area.

Teaching/Research Activity

All doctoral students are required to participate in research and teaching activities as an integral part of this doctoral program. In order to participate in teaching-related activities that require oral communication with students in spoken English, international students for whom English is a second language must take the Test of Spoken English (TSE), the SPEAK, or the Foreign Service Institute (FSI) Oral Interview and obtain a minimum score of 50 on the TSE or SPEAK, or 17 (out of 25) on the FSI interview. Students who fail to satisfy this requirement will not be able to teach until it is satisfied.

Other Governing Documents



University policies take precedence over all policies contained in this document. Departments within the C.T. Bauer College of Business provide students with written policies that govern the administration of comprehensive examinations within that department. This document may also contain policies that specify requirements in addition to those described here. In case of direct conflict, however, college policies take precedence over departmental policies. College policies on doctoral candidates are outlined in the "Graduate Student Policies for the Doctor of Philosophy Degree, C.T. Bauer College of Business." This document is available in the Office of Student Services.

Students are required to graduate under the degree provisions in effect at the time of first registration after having been admitted to the PhD program. Two exceptions to this rule apply:

A student who is required to reapply to the program shall be governed by the appropriate degree provisions in effect at the time the student reenters the university.

In the event the degree provisions affecting the student are modified, the student may choose to meet the modified provisions; however, the student must select either the old or the new provisions in their entirety.

Accelerated Program

Accelerated BBA/MS - Various

An undergraduate business student in Bauer College wanting to participate in the accelerated pathway BBA/MS degree offered at Bauer should submit an application to the Bauer College Office of Undergraduate Business Programs (UBP). The application for the accelerated pathway should be submitted for review prior to a student's final semester toward the BBA. The minimum eligibility requirements to participate in the accelerated pathway BBA/MS degree offered at Bauer are shown below, with any additional requirements specified by individual programs:

Senior standing and completion of or in progress in the required credit hours for their major minus six (6) credit hours.

Minimum 3.0 cumulative grade point average at the University of Houston.

Minimum 3.0 grade point average in their major at the University of Houston.

Approval from the MS degree program faculty director or faculty designee for that program that the student wants to pursue.

Participation in the accelerated pathway and taking graduate courses requires approval by the MS degree program faculty director or faculty designee for which the student intends to apply. Students who complete those graduate courses may use them toward the requirements for the BBA regardless of admission to a specialized Master degree program, either toward major or minor requirements for courses with the same letter rubrics as their major or minor, or toward elective requirements of their major. Approval for the accelerated pathway as an undergraduate and/or completion of graduate courses does not constitute automatic admission to the graduate program.

Selection of an MS Business Program and Graduate Courses:

Prior to the application process for the accelerated pathway, students should consult with the MS degree program faculty director and/or other designated faculty members and graduate advisors, and the academic advisor of their major to determine which MS degree program would add the depth or breadth to add value to their career, and the appropriate course selection based on a student's undergraduate courses, preparation, and intended MS program. In addition, the department of their intended master's program will maintain an approved list of graduate courses eligible for that master's program.

Admission to the Graduate Program

Students in the accelerated pathway must complete the graduate application process before they will be formally considered for admission to graduate school. The MS degree program's admission committee reviews the entire application when making an admission decision. Students may apply in their final semester while completing



Selective List of Graduate Courses Allowed to Count for Undergraduate Degree Requirements

Undergraduate students can take a combination of courses (not exceeding a total of six (6) credit hours) from the list below. Selection of graduate courses requires approval by the specialized MS degree program faculty director or faculty designee for which the student intends to apply. This list is not exhaustive as students could be advised to take other courses not listed here.

Supply Chain

SCM 6A01 - Supply Chain Management Concepts **Credit Hours: 1.5**

SCM 7A01 - Project Management **Credit Hours: 1.5**

BZAN 6351 - Basic Programming for Business Analytics **Credit Hours: 3**

Management Information Systems

MIS 7373 - Business Applications of Database Management Systems I **Credit Hours: 3**

MIS 7376 - Systems Analysis and Design **Credit Hours: 3.0**

Finance

FINA 7371 - Energy Value Chain **Credit Hours: 3.0**

FINA 7372 - Upstream Economics **Credit Hours: 3.0**

FINA 7373 - Petrochemical and Refining Economics **Credit Hours: 3.0**

FINA 7397 - Selected Topics in Finance **Credit Hours: 3**

Topic(s):

Entrepreneurial Finance

Management and Leadership

MANA 6A25 - Ethical Leadership & Critical Reasoning **Credit Hours: 1.5**

MANA 6A32 - Organizational Behavior & Management **Credit Hours: 1.5**

MANA 6A83 - Strategic Analysis **Credit Hours: 1.5**

MANA 7336 - Strategic Human Resource Management **Credit Hours: 3**

Marketing

MARK 6A61 - Marketing Administration **Credit Hours: 1.5**

GENB 6A50 - Business Communications **Credit Hours: 1.5**

BZAN 6310 - Quantitative Analysis for Business Decisions **Credit Hours: 3.0**

ACCT 6331 - Financial Accounting **Credit Hours: 3.0**

Department of Accountancy & Taxation

Master



Accountancy, MSAcy

The Master of Science in Accountancy Program (MSACCY) is designed to be flexible and is anticipated to be completed in one year. The curriculum requirements are based on 36 graduate hours including 24 hours of graduate accounting or IT courses. Students can develop a skilled specialization in one of our six certificate tracks: Applied Data Analytics in Accounting, Assurance/Financial Reporting, Advanced Internal Audit, Taxation, Oil & Gas and IT Systems Risk Management. The Program provides an opportunity to acquire a strong graduate foundation in accounting and also pursue an area of particular student interest or career aspiration.

The program offers a flexible class schedule and courses that provide students with the right balance of technical knowledge and critical thinking capabilities sought by today's employers. The majority of our MSACCY courses (approximately 80%) are offered in the evening to accommodate working professionals. The remaining courses are offered during the regular day class schedule. Students learn to solve complex business problems, recognize dysfunctional accounting situations, and respond appropriately to ethical and regulatory dilemmas; while engaging in accounting research and gaining first-hand experience communicating their findings. Emphasis is placed on the strong background needed to successfully complete the Texas Uniform CPA exam.

Course options include courses that introduces the concepts and use of data analytics, the related tools (software and programming concepts) and the solution applications (analysis and presentation); and a course where the data analytics software used extensively by the public accounting firms and internal audit departments will be integrated throughout the course including the performance of multiple audit applications. These steps to integrate data analytics into the program are aligned with the guidance of the AACSB and the American Accounting Association (AAA) White Paper on Integrating Data Analytics into the Financial Statement Auditing Class.

The Department of Accountancy & Taxation's MSACCY Accounting Program is recognized by the AACSB and has received separate Accounting Accreditation from the AACSB. Less than 2% of the worldwide accounting programs have received this important designation as one of the highest quality academic programs which "ensures that students are learning material most relevant to their field of study, preparing them to be effective leaders upon graduation."

Please see <https://www.bauer.uh.edu/departments/accy/graduate/admissions-apply.php> for more information.

Admission Requirements

Admission eligibility for the MSACCY Program requires a four-year undergraduate degree (or foreign equivalent) from an accredited institution.

Application for Graduate Studies

Transcripts

Transcripts from each higher-educational institution attended must be submitted. Transcripts must be official and if applicable please include an official English translation. Official degree diplomas for foreign credentials, and an official English translation, if applicable, must be submitted.

International students can find information on submitting official transcripts to the University of Houston Graduate School at <https://uh.edu/graduate-school/international-students/transcripts>.

Test Scores

An official GMAT or GRE score, less than 5 years old, submitted to the University of Houston. The test should be taken prior to the application deadline.

GMAT/GRE can be waived for applicants who hold a terminal doctoral degree, including MD, JD, or PhD, from UH main campus or any other regionally-accredited domestic institution, or international equivalent.

English Language Requirement - options for fulfilling this requirement:

Test of English as a Foreign Language (TOEFL)

International English Language Testing System (IELTS)

Duolingo English Test

Full details are found at <https://uh.edu/graduate-school/international-students/english-proficiency>



Application Fees (Non-refundable)

A non-refundable fee is required for all Specialized Masters program in order to submit an application through the system.
The fee is \$50 for Domestic applicants and \$80 for International applicants.

Résumé or Curriculum Vitae**Goal Statement**

A goal statement should be one to two pages in length. The statement should address specific area of interest within accounting, how the MSACCY degree fits into career aspirations, and any additional information that might be useful to the admission committee.

Two Letters of Recommendation**International Admission Forms**

International applicants who require an I-20 must submit additional documents such as the Letter of Financial Backing form.

Degree Requirements

Credit hours required for this degree: 36.0

The MSACCY Degree Plan (with the related course numbers) is provided below and is based on all prerequisites being met. The plan provides for individual student customization to address areas of specific interests and also provides opportunities to: (a) obtain a certificate in one of our six specialization tracks, (b) explore our four oil & gas accounting courses, (c) complete courses in our Internal Audit Program which has been recognized by the Institute of Internal Auditors as a Center of Excellence (one of only six in the world and one of only four in the United States), and (d) complete an internship for course credit.

The Degree Plan below is tailored to every student's interest and needs. The course offerings and details are important to note when selecting your courses per term. Please note: if a student has taken an undergrad or post-baccalaureate equivalent of any graduate level course and successfully completed it, they cannot receive credit for the same course as part of their graduate career.

All newly admitted students are required to attend Tips for Academic Success Orientation and complete an Excel skills development and assessment prior to their first term. This assessment will help students refine their skillsets that are vital in the workplace. Additional Microsoft resources for Access, Word and PowerPoint are also included for the student's use and further skill development during the Program.

MSACCY students have the opportunity to take one internship course credit. This course will count as a 3-hour elective on the MSACCY degree plan.

Accounting Courses

Required Core Courses

ACCT 7330 - Advanced Accounting **Credit Hours: 3.0**

ACCT 7375 - Corporate Taxation **Credit Hours: 3.0**

Elective Courses

Six Accounting/IT courses **Credit Hours: 18.0**

Required Non-Accounting Core Courses

GENB 7303 - Professional Accounting Communication **Credit Hours: 3.0**



GENB 7304 - Business Ethics for Accountants **Credit Hours: 3**

GENB 7305 - Commercial Law **Credit Hours: 3.0**

General Business or Accounting Electives

One course **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies

Department Academic Policies

Graduate Certificate

Advanced Internal Audit Certificate

The Advanced Internal Audit Certificate program prepares students for careers as internal auditors. Courses in this specialization prepare students to examine and analyze accounting records to determine the financial status of a corporation and prepare financial reports concerning operating procedures and improve operational performance.

For additional information regarding the certificate program and new elective course options for the certificate, please visit Advanced Internal Audit Certificate.

Admission Requirements

To earn a certificate(s), students must be currently enrolled in the MSACCY program, meet the requirements for the certificate as well as the MSACCY degree requirements.

Certificate Requirements

Credit hours required for the certificate: 12.0

Required Courses:

ACCT 7367 - Advanced Internal Auditing **Credit Hours: 3.0**

ACCT 7370 - Advanced Financial Statement Auditing **Credit Hours: 3.0**

ACCT 7382 - Governance, Risk and Compliance **Credit Hours: 3.0**

ACCT 7385 - Fraud Examination **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies

Department Academic Policies

Applied Data Analytics in Accounting, Certificate



The Applied Data Analytics in Accounting Certificate helps students develop their understanding and ability to pragmatically apply Data Analytics to the fields of accounting and auditing. The related courses cover the rapidly evolving concepts and new methodologies for consuming large amounts of diverse data; applying sophisticated algorithms to the data; and developing and integrating decision modeling into business processes and the related accounting/auditing decisions.

Students with minimal or no IT experience learn how to use important data analytic tools such as R programming language, SQL and Microsoft Azure Machine Learning, among others. Corporate Business Partners team with the students in a lab environment to build advanced "real world" process models aligning theory and practical application. Full time faculty with extensive strategic consulting and corporate experience lead students with their journey from theory to successfully applying data analytics in value added solutions.

For additional information regarding the certificate program, please visit:
<https://www.bauer.uh.edu/departments/accy/graduate/certificates.php#applied-data>.

Admission Requirements

To earn a certificate(s), students must be currently enrolled in the MSACCY program, meet the requirements for the certificate(s) as well as the MSACCY degree requirements.

For more on how to apply to the MSACCY Program, please click here: <https://www.bauer.uh.edu/departments/accy/graduate/admissions-apply.php>.

Certificate Requirements

Credit hours required for this certificate: 12.0

The Applied Data Analytics in Accounting Certificate is comprised of 12.0 credit hours.

Required Courses

- ACCT 7373 - Applied Data Analytics in Accounting I **Credit Hours: 3.0**
- ACCT 7374 - Applied Data Analytics in Accounting II **Credit Hours: 3.0**
- BZAN 7320 - Business Modeling For Competitive Advantage **Credit Hours: 3.0**

Course Electives

Select one of the following courses:

- ACCT 7362 - Tax Research **Credit Hours: 3.0 ***
- ACCT 7370 - Advanced Financial Statement Auditing **Credit Hours: 3.0 ****
- ACCT 7397 - Selected Topics in Accounting **Credit Hours: 3.0**

Topic(s):

Current Issues in Taxation

Any of the eligible courses in the IT Systems Risk Management Certificate.

*Formerly known as ACCT 7397 Data Analytics 1.

**Formerly known as ACCT 7397 Data Analytics 2.

Academic Policies



University of Houston Academic Policies

Academic Policies: C.T. Bauer College of Business

Department of Accountancy & Taxation Academic Policies

A brief overview of Graduate School policies is provided below.

Graduate students are expected to be enrolled in consecutive long semesters (i.e., Fall and Spring semesters) until the degree program is completed and the degree is awarded.

Any student who cannot enroll in a given semester must apply for a leave of absence to remain in good standing. A student who leaves the university without obtaining a formal leave of absence from graduate study is not automatically readmitted.

Although grades of D+ and lower are included in the computed grade point average, the university awards no credit toward the degree for courses in which the student receives a grade below C-. If such courses are required for the degree, the student will be required to take the courses again.

A graduate student who receives a grade of C+ or lower and/or a grade of U in 12 semester hours of credit attempted at this institution, whether or not in repeated courses, is ineligible for any graduate degree at this institution and will not be permitted to re-enroll for graduate study.

Graduate students cannot graduate with a less than 3.00 cumulative grade point average (GPA).

Students who are enrolled as graduate students at the University of Houston must complete the usual master's degree program within five years of the date of enrollment with a master's degree objective at the University of Houston.

College Policies

To take Masters' level courses (6000-7000 level) in the C. T. Bauer College of Business, students must have graduate standing at UH and meet the specific course prerequisites.

A course prerequisite must be completed prior to the start of the course for which it is a prerequisite.

Undergraduates and Post-Baccalaureate students are not allowed to take any Masters' level courses in the Bauer College of Business.

If a course is cross-listed under two departments, students may not get credit for both a cross-listed course and its equivalent.

New classes use a generic course number (7397) until a unique course number is assigned. It is possible to have a course with a generic number one semester and a unique number in the next semester. If the course number changes a student cannot obtain credit for taking the same course twice.

Program Policies

Accounting electives must be taken at the 7000 level.

If a student has taken an undergraduate or post baccalaureate equivalent of any graduate level course and successfully completed it, they cannot receive credit for the same course as part of their graduate career.

The only transfer credit accepted to complete less than the 36 hours required to meet MSACCY degree requirements is for Bauer Professional Program in Accountancy (PPA) students that have completed PPA "double count" courses. In rare cases, a waiver of a core course may be allowed with substitution. The maximum amount of core courses that can be waived with substitution is 9 hours. Course waivers, and corresponding documentation, will only be accepted for review up until the official closing day of a student's first semester.



MSACCY courses taken by students in other UH departments who have not been admitted to the Bauer College of Business may not be applied to a future MSACCY degree at UH.

Students can take up to two pre-approved IT courses to count toward the accounting elective section of the MSACCY degree plan. These courses must be selected from the list of IT courses approved by the Department.

MSACCY certificates are only available to students currently enrolled in the MSACCY program.

Students have the option of obtaining a certificate(s) while completing degree requirements. Additional information regarding certificate policies can be located here: <https://www.bauer.uh.edu/departments/accy/graduate/certificates.php>.

MSACCY students have the opportunity to take a 3 hour accounting internship course as an accounting elective. Registration for the Accounting Internship course is necessary before being eligible to receive credit for the internship. For more information regarding eligibility requirements click here: <https://www.bauer.uh.edu/departments/accy/internships-careers/internships-for-credit.php>.

Assurance/Finance Reporting Certificate

The Assurance/Finance Reporting Certificate program prepares students for careers in public accounting as auditors or in industry in accounting related careers. This concentration provides students with the knowledge needed to understand internal controls and financial reporting systems, prepare and interpret financial reports, participate in the conduct of audits, and develop research skills needed to address complex financial reporting problems.

For additional information regarding the certificate program and new elective course options for the certificate, please visit Assurance/Finance Reporting Certificate.

Admission Requirements

To earn a certificate(s), students must be currently enrolled in the MSACCY program, meet the requirements for the certificate as well as the MSACCY degree requirements.

Certificate Requirements

Credit hours required for this certificate: 12.0

Complete four of the following courses:

- ACCT 7340 - Financial Statement Analysis **Credit Hours: 3.0**
- ACCT 7350 - International Financial Reporting & Analysis **Credit Hours: 3.0**
- ACCT 7363 - Contemporary Accounting Topics **Credit Hours: 3.0**
- ACCT 7370 - Advanced Financial Statement Auditing **Credit Hours: 3.0**
- ACCT 7378 - Government and Non-Profit Accounting **Credit Hours: 3.0**
- ACCT 7385 - Fraud Examination **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies
Department Academic Policies



IT Systems Risk Management Certificate

The **IT Systems Risk Management Certificate program prepares students for careers in IT auditing, risk management and security.** The specialization provides students with knowledge of IT systems development and acquisition, database design and operation, IT control frameworks and compliance, and risk management.

For additional information regarding the certificate program and new elective course options for the certificate, please visit IT Systems Risk Management Certificate.

Admission Requirements

To earn a certificate, students must be currently enrolled in the MSACCY program, meet the requirements for the certificate as well as the MSACCY degree requirements.

Certificate Requirements

Credit hours required for this certificate: 12.0

Complete four of the following courses:

MIS 7373 - Business Applications of Database Management Systems I **Credit Hours: 3**

MIS 7376 - Systems Analysis and Design **Credit Hours: 3.0**

MIS 7378 - InformationTechnology Management and Control **Credit Hours: 3**

MIS 7381 - Management of Information Security **Credit Hours: 3.0**

ACCT 7382 - Governance, Risk and Compliance **Credit Hours: 3.0**

ACCT 7385 - Fraud Examination **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies

Department Academic Policies

Oil & Gas Accounting Certificate

The **Oil and Gas Certificate Program prepares students for careers in the energy sector.** This specialization provides an in-depth examination of the multiple processes and technologies used by the energy sector to find and produce fossil fuels. Courses in this concentration include the fundamental property concepts governing oil and gas taxation, regulatory requirements, and risk management.

For additional information regarding the certificate program and new elective course options for the certificate, please visit Oil & Gas Accounting Certificate.

Admission Requirements

To earn a certificate, students must be currently enrolled in the MSACCY program, meet the requirements for the certificate as well as the MSACCY degree requirements.



Certificate Requirements

Credit hours required for certificate: 12.0

- ACCT 7337 - Oil & Gas Taxation **Credit Hours: 3.0**
- ACCT 7386 - Oil & Gas Accounting 1 **Credit Hours: 3.0**
- ACCT 7387 - Oil & Gas Accounting 2 **Credit Hours: 3.0**
- ACCT 7388 - Oil & Gas Accounting 3 **Credit Hours: 3**

Academic Policies

University of Houston Academic Policies
Department Academic Policies

Taxation Certificate

The Taxation Certificate Program prepares students for careers in public accounting as tax consultants, in industry as tax strategists, or in government. Required courses in this specialization provide students with the knowledge needed to identify and address tax issues at the local, state, national or international level.

For additional information regarding the certificate program and new elective course options for the certificate, please visit Taxation Certificate.

Admission Requirements

To earn a certificate, students must be currently enrolled in the MSACCY program, meet the requirements for the certificate as well as the MSACCY degree requirements.

Certificate Requirements

Credit hours required for this certificate: 12.0

Complete four of the following courses:

- ACCT 7337 - Oil & Gas Taxation **Credit Hours: 3.0**
- ACCT 7360 - Partnership Taxation **Credit Hours: 3.0**
- ACCT 7362 - Tax Research **Credit Hours: 3.0**
- ACCT 7372 - Multijurisdictional Taxation **Credit Hours: 3.0**
- ACCT 7380 - Advanced Corporate Taxation **Credit Hours: 3.0**
- ACCT 7397 - Selected Topics in Accounting **Credit Hours: 3.0**

Topics:

- Current Issues in Taxation
- Transfer Price Theory

Academic Policies



Department of Decision & Information Sciences

Master

Business Analytics, MS

This program gives graduate students the tools for success as business decision makers in a world of big data, designed around a rigorous core curriculum emphasizing data management and analytic methods that are used across business disciplines. Students have the flexibility to emphasize data management or methods at their choosing. It also includes a flexible set of electives and a capstone experience that allows students to emphasize depth in a particular industry or discipline such as accounting, healthcare, finance, supply chain, energy, etc.

For more information, please visit the Master of Science in Business Analytics program page: <https://www.bauer.uh.edu/graduate-studies/prospective-students/ms-analytics/>.

Admission Requirements

The admission process and requirements will be similar to those of the current MS programs in the Bauer College. Admission eligibility for the Master of Science in Business Analytics program requires the following:

A four-year undergraduate degree (or foreign equivalent) from an accredited institution. The undergraduate degree may be in any discipline.

Online Application

Submit an application through Applyweb.

The cost to apply for all MBA programs and Specialized Masters programs is \$0 through January 3, 2019. All application fees are waived through January 3, 2019.

We value the extraordinary talents, experiences, and diversity that veterans bring to the Bauer Specialized Master's program. In recognition of your service, Bauer College of Business commits to waiving the application fee.

Please contact us in order to receive your unique, one-time use waiver code: <https://www.bauer.uh.edu/graduate-studies/prospective-students/military/>.

The online application will include questions on the following topics:

- Personal Information
- Program of Choice
- Academic History
- Test Information (GRE, GMAT, Test of English Language Proficiency)
- Resume/Goal Statement
- Benefits & Financial Aid
- Emergency Contact Information
- Letter of Recommendation
- Texas Residency Questionnaire

Disclaimer: Subject to change without notice. Please contact your Admissions Representative if you have specific questions about the application.

Transcript

Applicants must have earned a bachelor's degree from an institution accredited by one of the six regional accrediting associations. Scanned copies of official transcripts may be uploaded as PDF files to your online application. If admitted,



however, you will not be able to enroll without the official transcript(s) showing your undergraduate degree conferral on file.

Official transcript(s) should be sent to:

Regular Mail:

*University of Houston
Graduate Admissions
P.O. Box 3947
Houston, TX 77253-3947*

Express Mail:

*University of Houston
Graduate Admissions
4302 University Dr. Rm 102
Houston, TX 77204-2012*

Electronic or "Speede" Transcript:

Within the U.S., the fastest way to send your transcript is electronically. Please inquire at your previous institution about this option. Electronic transcripts can be delivered via email to gradschool@uh.edu.

Test Scores

Scanned official copies or self-reported scores must be included in your online application. GMAT and GRE test scores are valid for five years after the test date. Scores must be valid at the time of application submission.

The University of Houston Graduate School is pleased to offer a GRE/GMAT Waiver program for UH main campus undergraduate students. To qualify, students must have graduated from the University of Houston main campus within 3 years preceding the term for which they are applying. Students must also meet the minimum undergraduate GPA for the degree program to which they are applying. Please visit the GRE/GMAT Waiver website for more information: <http://www.uh.edu/graduate-school/admissions/gre-gmat-waiver/>.

Résumé

Please upload a copy of your most recent resume, highlighting your professional and academic experiences, as well as recognizable accomplishments to your online application.

Goal Statement

In one to two pages, discuss what motivates you, how your personal and professional experience has shaped you, and how you will maximize the specialized Master's degree to reach your future goals.

Letter of Recommendation

Two letters of recommendation are required. These recommendations are gathered electronically through the online application system. You will be required to enter an email address for your recommender which will allow an online form to automatically be sent to your recommender.

Degree Requirements

Credit hours required for this degree: 36.0

The MS degree in Business Analytics will require 36.0 credit hours, comprised of the courses listed below. Students will select either the Data Management Track or the Analytics Track.

Data Management Track

Required Courses

BZAN 6351 - Basic Programming for Business Analytics **Credit Hours: 3** (online)



- BZAN 6352 - Quantitative Foundations for Business Analytics **Credit Hours: 3** (online)
- BZAN 6353 - Research Design for Problems in Business Analytics **Credit Hours: 3**
- BZAN 6354 - Database Management Infrastructure and Architecture for Business Analytics **Credit Hours: 3**
- BZAN 6355 - Advanced Programming for Big Data Analytics **Credit Hours: 3**
- BZAN 6356 - Database Management Tools for Business Analytics **Credit Hours: 3**
- BZAN 6357 - Business Analytics - Frameworks and Methods **Credit Hours: 3**

Elective Courses

Selected from any business area, 9.0 credit hours, examples shown below:

- MIS 7373 - Business Applications of Database Management Systems I **Credit Hours: 3**
- MARK 7362 - Management of Marketing Information **Credit Hours: 3.0**
- MIS 7397 - Selected Topics in Management Information Systems **Credit Hours: 3.0**
- Topic(s):**
- Cloud Data Visualization

Internship/Capstone Practicum

- BZAN 6660 - Capstone Project in Business Analytics **Credit Hours: 6**

Analytics Track

Required Courses

- BZAN 6351 - Basic Programming for Business Analytics **Credit Hours: 3** (online)
- BZAN 6352 - Quantitative Foundations for Business Analytics **Credit Hours: 3** (online)
- BZAN 6353 - Research Design for Problems in Business Analytics **Credit Hours: 3**
- BZAN 6354 - Database Management Infrastructure and Architecture for Business Analytics **Credit Hours: 3**
- BZAN 6357 - Business Analytics - Frameworks and Methods **Credit Hours: 3**

Elective Courses

Elective courses selected from any business area, 15.0 credit hours, examples shown below:

- BZAN 6356 - Database Management Tools for Business Analytics **Credit Hours: 3**
- BZAN 7320 - Business Modeling For Competitive Advantage **Credit Hours: 3.0**
- BZAN 7332 - Social Media and Analytics **Credit Hours: 3**
- MIS 7397 - Selected Topics in Management Information Systems **Credit Hours: 3.0**
- Topic(s):**
- Predictive Analytics
- SCM 7380 - Analytics and Enterprise Operations **Credit Hours: 3**
- MARK 7397 - Selected Topics in Marketing **Credit Hours: 3**
- Topic(s):**
- Practical Marketing Analysis

Internship/Capstone Practicum



Core Courses & Electives

Core courses will cover the foundation topics that emphasize data management and analytical skills. Electives courses will enable students to develop specialized skills in focused business areas such as Energy, Marketing, Finance, Real Estate, Healthcare, Accounting, Human Resource Management, Information Systems, and Supply Chain Management.

Internship/Capstone Practicum. This course will give students hands-on experience by making them work on a business-defined problem that focuses on data management and/or analytics. The learning goal is for them to develop data management and analytic strategies, manage analytics team, and lead analytics projects.

Academic Policies

University of Houston Academic Policies

Academic Policies: C.T. Bauer College of Business

All candidates are expected to have computer literacy in the areas of word processing, spreadsheet analyses, databases, PowerPoint, and the use of the Internet. Students who do not have these competencies are expected to acquire this knowledge prior to enrollment in the program. At UH an appropriate course equivalent for spreadsheet analyses is BZAN 3310 or SCM 4330. General knowledge of computer programming techniques, while not required, is highly recommended.

Degree Requirements

All students entering the Master of Science in Business Analytics program are required to have a four-year undergraduate degree or foreign equivalent from an accredited institution. The undergraduate degree may be in any discipline.

Core courses may NOT be waived.

Core courses do not require any prerequisites other than graduate standing

The core course in a functional area is usually the prerequisite for elective courses in that area

Core courses do not have to be taken in the exact order shown, but all core courses must be completed prior to graduation from the MS program

Electives can be selected from the following business areas: accountancy and taxation, business analytics, finance, general business, international business, management and leadership, marketing and entrepreneurship, management information systems, and supply chain management. Due to prerequisites, a limited number of the graduate accounting courses are open to MS students

Transfer Policy

The MS/BZAN program does not accept transfer credit for students who have started an MBA or MS program at another institution.

Waiver Policy

By completing an exam, students could waive up to 6.0 credit hours of select courses. Otherwise, none of the 36.0 credit hours required for the MS/BZAN degree may be waived.

Time Limitation



Students must complete the degree program within the five-year period preceding the student's graduation.

Changes of Major, Degree, and Classification

Students who wish to change their field of study, degree objective, or classification to one in the Bauer College of Business should contact the Graduate & Professional Programs Office. If admitted, students will be subject to college policies in effect during the semester for which the change is approved. Graduate students in the C. T. Bauer College of Business who wish to change from one degree objective to another within the College should complete an online application form at <https://www.applyweb.com/uhouston/index.ftl>. Students who receive approval for the change will be subject to policies and degree plans in effect during the semester the change is approved. Bauer graduate students who wish to change to another graduate college at the University of Houston should consult the dean's office of that college for procedural information.

Eligibility for Enrollment in Graduate Business Courses

All course work to be applied to the graduate business programs must be 6000-level or higher.

Graduate Classification

Students are classified as graduate students in the Bauer College only after their completed application for admission has been approved by the Bauer College. Students must go through the formal application process in order to obtain this classification.

Inapplicable Graduate Credit

Graduate credit is not granted for extension courses, advanced standing examinations, or courses taken prior to admission to a graduate program. The time limitation section specifies additional restrictions. Also, although grades of D+ and lower are included in the computed grade point average, the university awards no credit toward the degree for courses in which the student receives a grade below C-.

Prerequisites and Corequisites

Admission to a graduate program on this campus of the University of Houston System is a prerequisite for enrollment in any C. T. Bauer College of Business course numbered 6000 or higher. Students must meet the prerequisite and corequisite requirements of the graduate program to which they are admitted. Prerequisites to the programs are listed with each individual graduate program section. Prerequisites to individual courses are indicated under each course title and are strictly enforced.

Termination of Enrollment

Students must maintain a satisfactory rate of progress toward the degree. Satisfactory progress is measured by several means, including timely completion of courses required for the degree and maintenance of a minimum grade point average of 3.00 (A=4.00). In addition, the University's Low Grade Policy applies. A graduate student who receives a grade of C+ or lower in 12.0 credit hours attempted at this institution for graduate credit or for application toward the graduate degree, whether or not in repeated courses, is ineligible for any advanced degree at this institution and will not be permitted to re-enroll for graduate study. The Dean, or designate, may terminate enrollment at any time if the student's rate of progress is not satisfactory. If enrollment is terminated, students will be notified with a written explanation. A hold will be placed on your account with the Office of the University Registrar and you will be unable to continue with graduate classes at this university.



Management Information Systems, MS

Job growth for Management Information System (MIS) professionals continues to be the top career option in many forecasts. Demand for MIS graduates is strong and expected to remain so over the next decade. To meet this demand, the Master of Science in Management Information Systems (MS-MIS) is a non-thesis program with coursework in Management Information Systems, designed to accommodate both full and part-time students with courses held 6-9 p.m. on weekdays. It is most relevant to those working, or planning to work in the following areas:

- Technology consulting,
- Application development,
- Systems analysis,
- Technology project management,
- Database administration,
- Security or infrastructure specialism,
- Manager or director of any of the above listed areas.

Admission Requirements

The MS/MIS admits students for Fall and Spring terms.

Admission eligibility for the Master of Science in Management Information Systems program requires a four-year undergraduate degree (or foreign equivalent) from an accredited institution. The undergraduate degree must be in management information systems or computer science. Applications are accepted for Fall and Spring terms.

A complete application should include:

Application for Graduate Studies www.applyweb.com/uhouston

Transcripts

Domestic transcripts - official transcripts from all higher education institutions attended

International transcripts - one original transcript and degree certificate in the original language and the other must be an official English Translation of the transcript.

Test Scores

Official GMAT or GRE scores, less than 5 years old

International applicants must submit comply with English language proficiency requirements. Full details are found at <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency/>.

One of the following tests may be submitted to meet this requirement.

Please note that scores over two years old will not be accepted.

Official TOEFL (Test of English as a Foreign Language) score above 603 on the paper-based test or 100 on the Internet-based test.

Official IELTS (International English Language Testing System) score above 6.5.

Official PTE Academic (Pearson Test of English Academic) minimum of 70.

Non-refundable Application Fee(s)

An application fee is required and varies by applicant type.

Additional Requirements for International Applicants can be found at <http://www.uh.edu/graduate-school/admissions/international-students/>

NOTE: International students must have a four-year degree from an accredited university to apply for the MBA. Three-year degrees are not considered equivalent. There is no bridge program at UH. Students with a three-year degree will likely need to combine it with a completed master's degree from their home country before applying.

Resume



Goal Statement - In one to two pages, discuss what motivates you, how your personal and professional experience has shaped you, and how will you maximize the specialized Master's degree to reach your future goals.

Letters of recommendation

Degree Requirements

The MS/MIS Program Total: 36.0 Credit Hours

Program information is subject to change

Core Skills Courses

18.0 Credit Hours

Core Skills courses may be waived with substitution based on previous graduate or undergraduate coursework for which a grade of at least B was achieved. The substitute courses will be taken from the program's elective list.

MIS 7376 - Systems Analysis and Design **Credit Hours: 3.0**

MIS 7373 - Business Applications of Database Management Systems I **Credit Hours: 3**

MIS 7378 - Information Technology Management and Control **Credit Hours: 3**

Electives

18.0 Credit Hours

Electives must be selected from the approved list. The approved list is subject to change.

A maximum of two elective courses may be waived based on prior graduate or undergraduate coursework for which a minimum grade of B was received.

No more than three non-MIS courses may be selected as electives.

MIS Electives

MIS 7374 - Business Applications of Database Management Systems II **Credit Hours: 3**

MIS 7375 - Transaction Processing Systems I **Credit Hours: 3**

MIS 7381 - Management of Information Security **Credit Hours: 3.0**

MIS 7397 - Selected Topics in Management Information Systems **Credit Hours: 3.0**

Topics:

Client -Server II

Open Source Systems

Networking/Security Infrastructure

Energy Trading Systems

Geographic Information Systems

Business Intelligence

Cloud and Collaboration

User Experience

Advanced Web Applications

Cloud-Powered Mobile App Development

Advanced Data Modeling



Non-MIS Electives

GENB 7397 - Selected Topics **Credit Hours: 3.0**

Topic: Spreadsheet Modeling

MARK 7365 - Introduction to Digital Marketing **Credit Hours: 3.0**

MARK 7366 - Digital Marketing Analytics **Credit Hours: 3**

SCM 7330 - Demand and Supply Integration **Credit Hours: 3.0**

SCM 7397 - Selected Topics in Supply Chain Management **Credit Hours: 3**

Topics:

ERP

Process Analysis

Academic Policies

University Academic Policies

Academic Policies: C.T. Bauer College of Business

Department/Program Policies

Coursework for the MS/MIS will not include any repeats of prior undergraduate or graduate courses.

Students receiving three or more grades of C or below (9.0 Credit Hours) will not be retained in the program.

Waiver of Core Skills Courses

Core Skills courses may be waived with substitution based on previous graduate or undergraduate course work for which a grade of at least B was achieved. The substitute courses will be taken from the Electives list shown above.

Waiver of Electives

A maximum of two elective courses may be waived based on prior graduate or undergraduate coursework for which a minimum grade of B was received.

Selection of Non-MIS Electives

No more than three non-MIS courses may be selected as electives.

Continuous Enrollment

Unless students petition for a leave of absence, they must maintain continuous enrollment during the fall and spring terms. Students who are out of the program for more than one calendar year will be under the jurisdiction of the catalog in effect at the time of reentry.

Students who fail to maintain continuous enrollment for more than two calendar years must reapply for admission to the program and must meet admission requirements in effect at that time.

Effective Term of Admission

Admission is granted for a specific term. If students wish to postpone enrollment, they must secure approval from the graduate advisor. The first term in which students, as graduate students, complete graduate-level work that applies toward a degree is the effective term of admission.

Supply Chain Management, MS

The goal of the nationally renowned faculty in supply chain management is to offer business professionals the Master of Science in Supply Chain Management, an opportunity to advance their careers by enhancing their professional knowledge. The program provides a focused course of study that will increase the understanding of the theory and practice of supply chain management.

The program is most relevant to those working in, or planning to work in the following areas:



Supply chain management
Logistics/Transportation
Production and service operations
Sourcing and procurement
Project Management
Supply Chain Analytics

The MS-SCM is a 30 Credit Hour, non-thesis program including coursework in supply chain management and business analytics. The program is designed to accommodate both full and part-time students with courses held 6-9 p.m. on weekdays.

Typical students range in age from 21-43 with average work experience of 3 years and average GMAT scores of 577.

For additional information, please visit <http://www.bauer.uh.edu/graduate-studies/prospective-students/ms-scm/>.

Admission Requirements

Admission eligibility for the Master of Science in Finance program requires a four-year undergraduate degree (or foreign equivalent) from an accredited institution. The undergraduate degree may be in any discipline. The MS-SCM admits students for Fall and Spring terms.

A complete application should include:

Application for Graduate Studies

Transcripts

Domestic transcripts - official transcripts from all higher education institutions attended

International transcripts - one original transcript and degree certificate in the original language and the other must be an official English Translation of the transcript.

Test Scores

Official GMAT or GRE scores, less than 5 years old

International applicants must submit comply with English language proficiency requirements. Full details are found at <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency/>.

One of the following tests may be submitted to meet this requirement. Please note that scores over two years old will not be accepted.

Official TOEFL (Test of English as a Foreign Language) score above 603 on the paper-based test or 100 on the internet-based test.

Official IELTS (International English Language Testing System) score above 6.5.

Official PTE Academic (Pearson Test of English Academic) minimum of 70.

Non-refundable Application Fee(s)

An application fee is required and the amount varies by application type.

Additional Requirements for International Applicants can be found at <http://www.uh.edu/graduate-school/international-students/>

NOTE: International students must have a four-year degree from an accredited university to apply for the MBA. Three-year degrees are not considered equivalent. There is no bridge program at UH. Students with a three-year degree will likely need to combine it with a completed master's degree from their home country before applying.

Resume

Goal Statement - In one to two pages, discuss what motivates you, how your personal and professional experience has shaped you, and how will you maximize the specialized Master's degree to reach your future goals.

Letters of Recommendation

Degree Requirements

The MS-SCM degree requires 30.0 Credit Hours



The Master of Science in Supply Chain Management requires 30.0 credits of graduate study, which consists of 18 credits of core SCM courses and 12 credits of SCM Analytics courses.

Program information is subject to change.

Supply Chain Management Core (Required)

18.0 Credit Hours

SCM 6A01 - Supply Chain Management Concepts **Credit Hours: 1.5**

SCM 7A01 - Project Management **Credit Hours: 1.5**

SCM 7330 - Demand and Supply Integration **Credit Hours: 3.0**

SCM 7350 - Strategic Supply Management **Credit Hours: 3**

SCM 7325 - Process Analysis and Design **Credit Hours: 3**

SCM 7335 - Logistics Management **Credit Hours: 3**

SCM 7385 - Supply Chain Corporate Projects **Credit Hours: 3**

SCM Analytics Courses (Required)

12.0 Credit Hours

SCM 7320 - Supply Chain Analytics **Credit Hours: 3.0**

SCM 7380 - Analytics and Enterprise Operations **Credit Hours: 3**

BZAN 6351 - Basic Programming for Business Analytics **Credit Hours: 3**

BZAN 6357 - Business Analytics - Frameworks and Methods **Credit Hours: 3**

Academic Policies

University Academic Policies

Academic Policies: C.T. Bauer College of Business

Department/Program Policies

Time Limitation and Transfer Credit Guidelines

The MS-SCM is an evening-based professional program that is designed to accommodate both part-time and full-time students with program completion in 12-24 months.

Transfer credit is not available for the supply chain management courses. However, the Business Fundamentals may be waived with appropriate prior graduate coursework.

Continuous Enrollment

Unless students petition for a leave of absence, they must maintain continuous enrollment during the program. Students who are out of the program for more than one calendar year will be under the jurisdiction of the catalog in effect at the time of reentry.

Students who fail to maintain continuous enrollment for more than two calendar years must reapply for admission to the program and must meet admission requirements in effect at that time.



Effective Semester of Admission

Admission to the program is only granted for a specified fall semester, which marks the effective semester of admission. Enrollment postponement to a later semester is not available.

Graduate Certificate

Business Analytics Certificate

The graduate certificate in Business Analytics allows students to complement their master's degree studies with the foundations for success as business decision makers in a world of big data, learning data management and analytic methods that are used across business disciplines.

Admission Requirements

Admission to the graduate certificate in business analytics is restricted to students who are admitted to Bauer College graduate degree programs.

Certificate Requirements

Credit hours required for this certificate: 12.0

Required Courses

9 Credit Hours

BZAN 6351 - Basic Programming for Business Analytics **Credit Hours: 3**

BZAN 6352 - Quantitative Foundations for Business Analytics **Credit Hours: 3**

BZAN 6353 - Research Design for Problems in Business Analytics **Credit Hours: 3**

Elective Course Options

Choose one course from the following (3 credits):

BZAN 6356 - Database Management Tools for Business Analytics **Credit Hours: 3**

BZAN 6354 - Database Management Infrastructure and Architecture for Business Analytics **Credit Hours: 3**

BZAN 6355 - Advanced Programming for Big Data Analytics **Credit Hours: 3**

Academic Policies

University Academic Policies

Academic Policies: C.T. Bauer College of Business

Business Modeling and Decision Making Certificate



The primary purpose of this certificate is to enable students to build models of business problems that lead to making better decisions. Students will acquire the necessary skills to analyze unstructured business situations, develop models of those situations, explore alternative solutions through formalized approaches, and do "what if?" sensitivity analysis to gain insight into why the chosen solution makes business sense. They will be better able to structure complex problems, evaluate and prioritize alternatives, allocate scarce resources, and justify and defend decisions.

For additional information regarding the certificate program and new elective course options for the certificate, please visit Bauer Graduate Certificates.

Admission Requirements

You must be a current Bauer graduate student to enroll in any of our certificate programs.

Certificate Requirements

Program Total: 9.0 Credit Hours

Required Courses

6.0 Credit Hours

BZAN 7320 - Business Modeling For Competitive Advantage **Credit Hours: 3.0**

SCM 7380 - Analytics and Enterprise Operations **Credit Hours: 3**

Elective Course Options

3.0 Credit Hours

MIS 7397 - Selected Topics in Management Information Systems **Credit Hours: 3.0**

Topic: Predictive Analytics

FINA 7A10 - Valuation **Credit Hours: 1.5**

FINA 7A30 - Advanced Corporate Finance **Credit Hours: 1.5**

FINA 7A33 - Mergers & Acquisitions I **Credit Hours: 1.5**

FINA 7372 - Upstream Economics **Credit Hours: 3.0**

FINA 7373 - Petrochemical and Refining Economics **Credit Hours: 3.0**

FINA 7329 - Behavioral Finance **Credit Hours: 3.0**

MANA 7329 - Behavioral Finance **Credit Hours: 3.0**

FINA 7397 - Selected Topics in Finance **Credit Hours: 3.0**

Topic: Financial Engineering

Academic Policies

University Academic Policies

Academic Policies: C.T. Bauer College of Business

Supply Chain Management Certificate



The primary focus of this certificate is to provide students with in-depth knowledge regarding the complexity and challenges of managing Global Supply Chains. Every function of global commerce - marketing, procurement, manufacturing operations, logistics, inventory management, information technology, and customer relations - are impacted by supply chain professionals. Students will gain exposure to all of the supply chain elements individually, and understand their associated interactions as well as the interactions with the other business functions. They will comprehend the need for balance and for managing trade-offs in the supply chain. They will be better able to identify the key drivers and the associated managerial levers that impact supply chain performance.

The certificate will be of interest to anyone who currently has or seeks a primary or secondary role in supply chain management. This includes those involved in procurement (sourcing/purchasing), operations, logistics, engineering, project and product management, as well as entrepreneurs, consultants, and general managers.

For additional information regarding the certificate program and new elective course options for the certificate, please visit Bauer Graduate Certificates.

Admission Requirements

You must be a current Bauer graduate student to enroll in any of our certificate programs.

Certificate Requirements

Credit hours required for this certificate: 12.0

Select 12.0 credit hours from the following:

- SCM 7320 - Supply Chain Analytics **Credit Hours: 3.0**
- SCM 7330 - Demand and Supply Integration **Credit Hours: 3.0**
- SCM 7350 - Strategic Supply Management **Credit Hours: 3**
- SCM 7390 - Global Supply Chain Strategy **Credit Hours: 3**
- SCM 7325 - Process Analysis and Design **Credit Hours: 3**
- SCM 7335 - Logistics Management **Credit Hours: 3**

Academic Policies

- University Academic Policies
- Academic Policies: C.T. Bauer College of Business

Department of Finance

Master

Finance, MS

The C. T. Bauer College of Business at the University of Houston fuels the city's workforce. Our graduate students have the benefits of an on-campus education, a world-renowned faculty that provides personalized attention in classrooms of diverse professionals, and a strong network of Bauer alumni that dominates the Houston workforce - giving our MS/Finance students an ideal setting for academic development and professional advancement.



The MS Finance program is primarily an evening program which may be pursued on a full- or part-time basis. The student is provided with a specialized course of study that is concentrated on financial markets and corporate financial management to enhance their understanding of the principles and practice of finance, and to develop their problem solving skills.

The MS Finance program is particularly relevant to those planning to work in the following areas:

- Corporate finance and financial consulting
- Investment banking, security analysis and brokerage
- Funds management
- Commercial and retail banking
- Risk management

The Bauer College of Business has assembled a nationally renowned faculty in finance. The current members of the faculty have over forty years of full-time experience as faculty at the top 10 finance departments. Recent rankings place the UH finance faculty sixteenth in the nation and second in the State of Texas.

Our knowledge of what "works" at the top business schools in this country is being brought to bear on the task of providing the Houston community with the opportunity for training and advanced certification in finance commensurate with the fourth largest city in the United States.

The MS Finance admits students for fall and spring terms. (The MS Finance-Quantitative Specialization admits for fall term only.) The students range in age from 21-48 with average work experience of 4 years and average GMAT scores of 621.

Please visit the Master of Science in Finance program page for more information.

Admission Requirements

Admission eligibility for the Master of Science in Finance program requires a four-year undergraduate degree (or foreign equivalent) from an accredited institution. The undergraduate degree may be in any discipline. Applications are accepted for Fall or Spring terms.

A complete application should include:

Application for Graduate Studies

Transcripts

Domestic transcripts - official transcripts from all higher education institutions attended

International transcripts - one original transcript and degree certificate in the original language and the other must be an official English Translation of the transcript.

Test Scores

Official GMAT or GRE scores, less than 5 years old

International applicants must submit comply with English language proficiency requirements. Full details are found at <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency/>.

One of the following tests may be submitted to meet this requirement. Please note that scores over two years old will not be accepted.

Official TOEFL (Test of English as a Foreign Language) score above 603 on the paper-based test or 100 on the internet-based test.

Official IELTS (International English Language Testing System) score above 6.5.

Official PTE Academic (Pearson Test of English Academic) minimum of 70.

Non-refundable Application Fee(s)

An application fee is required (\$75 for domestic applicants and \$150 for international applicants).

Additional Requirements for International Applicants can be found at <http://www.uh.edu/graduate-school/admissions/international-students/>



NOTE: International students must have a four-year degree from an accredited university to apply for the MBA. Three-year degrees are not considered equivalent. There is no bridge program at UH. Students with a three-year degree will likely need to combine it with a completed master's degree from their home country before applying.

Resume

Goal Statement - In one to two pages, discuss what motivates you, how your personal and professional experience has shaped you, and how will you maximize the specialized Master's degree to reach your future goals.

Letters of recommendation for MS in Finance are not required, nor accepted.

Degree Requirements

Credit hours required for this degree: 30.0

The Master of Science in Finance consists of 30 credits of graduate study: 6 credits of required foundation courses, 3 credits of required advanced courses and the remaining 21 hours of electives.

Program information is subject to change.

Required Foundation Courses (6 Credit Hours)

FINA 6A31 - Analyzing Financial Statements **Credit Hours: 1.5**

BZAN 6310 - Quantitative Analysis for Business Decisions **Credit Hours: 3.0**

FINA 6A35 - Managerial Finance **Credit Hours: 1.5**

Note(s):

FINA 6A35 - Managerial Finance is a prerequisite for all upper level finance classes

Required Advanced Courses (3 Credit Hours)

FINA 7A10 - Valuation **Credit Hours: 1.5**

FINA 7A20 - Capital Markets **Credit Hours: 1.5**

Finance Electives (21 Credit Hours)

Students may select from a wide range of finance electives, as they determine an area of preference within finance.

Academic Policies

University of Houston Academic Policies

Academic Policies: C.T. Bauer College of Business

All coursework in the MS Finance Program is graduate-level, designated within the Finance Department. Any course that is not coded FINA before the number must be approved by the MSF Program Director, even if the course is part of a certificate program. The only non-finance course that is pre-approved is ACCT 7340 - Financial Statement Analysis (does not require a petition).

Finance, MS - Quantitative Specialization Option



The MSF-Q specialization combines PhD courses with advanced MS Finance courses, and is aimed at students who are interested in taking highly quantitative finance classes without continuing into the PhD program and writing a dissertation. It is ideal preparation for students who are interested in pursuing a Ph.D. in Finance but lack the necessary quantitative skills.

Please visit the Quantitative Specialization in Finance, MS program page for more information.

Admission Requirements

Students seeking to pursue this specialization are admitted in fall semesters only and must first receive approval from the MSF-Q Specialization Director and Finance Department Chair. Such students will usually have a solid quantitative background; with knowledge of calculus, mathematical statistics, and linear algebra. This specialization may be taken on a full- or part-time basis; however, Ph.D. level courses are offered only during the day.

Degree Requirements

Credit hours required for this degree: 36.0

The MSF-Q specialization consists of 36 hours of coursework. There is a required core of 4 Ph.D. level courses (10.5 credit hours) and 4 MS level courses (7.5 credit hours). Students can select the remaining credit hours from the elective courses listed below. Other MS Finance courses can be counted as credit towards the degree subject to the approval of the MSF-Q specialization Director.

Required Courses (18.0 Credit Hours)

PhD Level

10.5 Credit Hours

FINA 7A97 - Selected Topics in Finance **Credit Hours: 1.5**

Topic(s):

Mathematics for Finance

FINA 8397 - Selected Topics in Finance **Credit Hours: 3.0**

Topic(s):

Econometrics I

FINA 8338 - Seminar in Financial Management **Credit Hours: 3**

FINA 8368 - Seminar in Investments **Credit Hours: 3**

MS Level

7.5 Credit Hours

FINA 7A10 - Valuation **Credit Hours: 1.5**

FINA 7A20 - Capital Markets **Credit Hours: 1.5**

FINA 6A31 - Analyzing Financial Statements **Credit Hours: 1.5**

FINA 7397 - Selected Topics in Finance **Credit Hours: 3.0**

Topic(s):

Object Oriented Programming in Finance

Note: FINA 6A31 - Analyzing Financial Statements can be replaced by ACCT 6331 - Financial Accounting subject to the approval of the MSF-Quant Director.



Elective Courses (18.0 Credit Hours)

Required total: 18.0 credit hours from PhD or Master elective course options.

PhD Level

FINA 8397 - Selected Topics in Finance **Credit Hours: 3.0**

Topic(s)

Econometrics II
Financial Management II
Derivatives
Price Theory I
Continuous Time Finance
Fixed Income

MS Level

FINA 7A23 - Portfolio Theory and Practice **Credit Hours: 1.5**

FINA 7A33 - Mergers & Acquisitions I **Credit Hours: 1.5**

FINA 7A30 - Advanced Corporate Finance **Credit Hours: 1.5**

FINA 7352 - Energy Derivatives **Credit Hours: 3.0**

FINA 7397 - Selected Topics in Finance **Credit Hours: 3.0**

Topic(s):

Optimization

Academic Policies

University Academic Policies

Academic Policies: C.T. Bauer College of Business

Global Energy Management, MS

As the global commercial center for oil and gas production, Houston is the gateway to jobs in the energy industry. Bauer College is home to the Gutierrez Energy Management Institute (GEMI), which provides graduate curriculum in energy management that is now internationally recognized. The MS in Global Energy Management program is the natural next step for Bauer and GEMI to serve the needs of the energy industry, giving students the knowledge of the business of energy and exposure to effective management skills.

No other school in Texas offers a Master of Science in Global Energy Management.

The program is most relevant to those working in, or planning to work, in the following areas:

Energy management
Energy trading
Energy finance

This 36-credit hour interdisciplinary program includes courses from each of the five departments in the Bauer College. All classes meet once a week, 6-9 pm.



The MS-GEM admits students for fall and spring semesters. The students range in age from 22-47 with average work experience of 4 years and average GMAT scores of 546.

For more information, visit the Master of Science in Global Energy Management program page.

Admission Requirements

Admission eligibility for the Master of Science in Global Energy Management program requires a four-year undergraduate degree (or foreign equivalent) from an accredited institution. The undergraduate degree may be in any discipline. Applications are accepted for Fall and Spring semesters.

A complete application should include:

Application for Graduate Studies

Transcripts

Domestic transcripts - official transcript from all higher education institutions attended

International Transcripts - one original transcript and degree certificate in the original language and the other must be an official English translation of the transcript.

Test Scores

Official GMAT or GRE scores, less than 5 years old

International applicants must submit comply with English language proficiency requirements. Full details are found at <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency/>.

One of the following tests may be submitted to meet this requirement. Please note that scores over two years old will not be accepted.

Official TOEFL (Test of English as a Foreign Language) score above 603 on the paper-based test or 100 on the internet-based test.

Official IELTS (International English Language Testing System) score above 6.5.

Official PTE Academic (Pearson Test of English Academic) minimum of 70.

Non-refundable Application Fee(s)

An application fee is required (\$75 for domestic applicants and \$150 for international applicants).

Additional Requirements for International Applicants can be found at <http://www.uh.edu/graduate-school/admissions/international-students/>.

NOTE: International students must have a four-year degree from an accredited university to apply for the MBA. Three-year degrees are not considered equivalent. There is no bridge program at UH. Students with a three-year degree will likely need to combine it with a completed master's degree from their home country before applying.

Resume

Goal Statement

In one to two pages, discuss what motivates you, how your personal and professional experience has shaped you, and how will you maximize the specialized Masters degree to reach your future goals.

Letters of recommendation for MS in Global Energy Management are not required, nor accepted.

Degree Requirements

Credit hours required for this degree: 36.0

Required Core Courses

ACCT 6331 - Financial Accounting **Credit Hours: 3.0**

BZAN 6310 - Quantitative Analysis for Business Decisions **Credit Hours: 3.0**



FINA 6A35 - Managerial Finance **Credit Hours: 1.5**

Required Advanced Electives

ACCT 7386 - Oil & Gas Accounting 1 **Credit Hours: 3.0**

FINA 7371 - Energy Value Chain **Credit Hours: 3.0**

FINA 7372 - Upstream Economics **Credit Hours: 3.0**

FINA 7373 - Petrochemical and Refining Economics **Credit Hours: 3.0**

MANA 7394 - Management of Human Resources in the Oil & Gas Industry **Credit Hours: 3.0**

MARK 7373 - Business to Business Marketing **Credit Hours: 3.0**

MANA 7397 - Selected Topics in Management **Credit Hours: 3**

Topic(s):

Strategic Management in the Oil and Gas Industry

Free Advanced Electives (Choose 7.5 Credits)

Advanced electives should be chosen from the list below. Other courses can be counted as credit towards the degree subject to the approval of the MS-GEM Director.

FINA 7A10 - Valuation **Credit Hours: 1.5**

FINA 7352 - Energy Derivatives **Credit Hours: 3.0**

Program information is subject to change.

FINA 7374 - Midstream Energy Finance **Credit Hours: 3.0**

FINA 7376 - Energy Trading **Credit Hours: 3.0**

FINA 7A97 - Selected Topics in Finance **Credit Hours: 1.5**

Topic(s):

Strategy For Project Finance

Techniques For Project Finance

FINA 7397 - Selected Topics in Finance **Credit Hours: 3.0**

Topic(s):

Energy Analysis

Value Creation in the Oil and Gas Industry

Alternative Energy Investments

Electric Power Markets

Energy Insurance & Risk Management

Value Chain - Global Power Markets

Academic Policies

University of Houston Academic Policies

Academic Policies: C.T. Bauer College of Business

All coursework in the MS in Global Energy Management Program is graduate-level.

Waiver/Transfer Credit Guidelines



The foundation courses may be waived, based on equivalent, previous academic coursework. Students who have completed appropriate courses in previous graduate course work may transfer a maximum of six semester credit hours within the electives of the program.

The transfer of coursework is based on the following guidelines:

Courses for which transfer credit is requested must have grades of 'B' or higher and may not be more than five years old at the time of graduation from UH with the MS in Global Energy Management degree.

The course work must be graduate-level and consistent with the advanced study of global energy management and business administration.

The academic department must approve the transfer request. Final authority for the approval of all transfer requests rests with the Director of the MS-GEM Program.

Requests for the transfer of courses taken prior to enrolling at UH should be made during the first semester of attendance as a graduate student in the Bauer College of Business. Waiver/Transfer request forms are available in University Classroom and Business Building (UCBB) 424.

Transfer credit is not given for either professional experience or professional development courses.

Continuous Enrollment

Unless students petition for a leave of absence, they must maintain continuous enrollment during the fall and spring semesters. Students who are out of the program for more than one calendar year will be under the jurisdiction of the catalog in effect at the time of reentry.

Students who fail to maintain continuous enrollment for more than two calendar years must reapply for admission to the program and must meet admission requirements in effect at that time.

Effective Semester of Admission

Admission is granted for a specific semester. If students wish to postpone enrollment, they must secure approval from the graduate advisor. The first semester in which students, as graduate students, complete graduate-level work that applies toward a degree is the effective semester of admission

Graduate Certificate

Corporate Finance Certificate

The Corporate Finance Certificate prepares students for corporate finance careers, and for careers in financial firms that advise nonfinancial firms and assist them in the implementation of their financial strategies (investment banks, consulting firms, private equity funds). A typical first position in this career track may be that of a financial analyst. In corporations, roles could include project evaluation (capital budgeting), budgeting, financial modeling, financial planning, controlling, valuation, and business development research. Higher-level corporate positions include that of a treasurer or chief financial officer of a firm.

For additional information regarding the certificate program, please visit Bauer Graduate Certificate: <http://www.bauer.uh.edu/degrees-programs/certificates/>.

Admission Requirements



You must be a current Bauer graduate student to enroll in any of our certificate programs.

Certificate Requirements

Credit hours required for this certificate: 9.0

Complete 6 hours from the following:

FINA 7A10 - Valuation **Credit Hours: 1.5**

FINA 7A20 - Capital Markets **Credit Hours: 1.5**

FINA 7A30 - Advanced Corporate Finance **Credit Hours: 1.5**

FINA 7A97 - Selected Topics in Finance **Credit Hours: 1.5**

Topic(s):

Mergers and Acquisitions I

Choose 3 hours from:

FINA 7A97 - Selected Topics in Finance **Credit Hours: 1.5**

Topic(s):

Mergers and Acquisitions II

Strategy of Project Finance

Techniques in Project Finance

FINA 7397 - Selected Topics in Finance **Credit Hours: 3.0**

Topic(s):

Midstream Energy Finance

Academic Policies

University of Houston Academic Policies

Academic Policies: C.T. Bauer College of Business

Economics of the Energy Value Chain Certificate

Students interested in developing a broad economic perspective on the energy business should consider this Certificate. The courses offered should be very helpful to engineers and other functional specialists seeking to develop managerial perspective suitable for executive responsibilities.

The Certificate exposes students to both the 'physical' side of the energy business, i.e., what is the nature of the assets, operations and products produced, and to the economics of each component of the EVC. Students will be able to gain an understanding of how the energy firms' activities 'add value' along the chain, e.g., how basic refinery units upgrade crude oil and how more complex conversion and chemical units upgrade basic products into higher value fuels or chemicals. The role of transportation logistics and trading will also be considered.

For additional information regarding the certificate program, please visit Bauer Graduate Certificates.

Admission Requirements



You must be a current Bauer graduate student to enroll in any of our certificate programs.

Certificate Requirements

Credit hours required for the certificate: 9.0

Complete nine credit hours from the following:

- FINA 7371 - Energy Value Chain **Credit Hours: 3.0**
- FINA 7372 - Upstream Economics **Credit Hours: 3.0**
- FINA 7373 - Petrochemical and Refining Economics **Credit Hours: 3.0**
- FINA 7397 - Selected Topics in Finance **Credit Hours: 3.0**

Topic(s):

- Energy Value Creation
- Future of Value Creation in the O & G Industry
- Midstream Energy Finance
- Electric Power Markets
- GENB 7397 - Selected Topics **Credit Hours: 3.0**

Topic(s):

- Capturing Upstream Growth Opportunities

Academic Policies

- University of Houston Academic Policies
- College Academic Policies

Energy Finance Certificate

Students interested in developing a broad economic perspective on the energy business should consider this Certificate. The courses offered should be very helpful to engineers and other functional specialists seeking to develop managerial perspective suitable for executive responsibilities.

The Certificate exposes students to both the 'physical' side of the energy business, i.e., what is the nature of the assets, operations and products produced, and to the economics of each component of the EVC. Students will be able to gain an understanding of how the energy firms' activities add value along the chain, e.g., how basic refinery units upgrade crude oil and how more complex conversion and chemical units upgrade basic products into higher value fuels or chemicals. The role of transportation logistics and trading will also be considered.

For additional information regarding the certificate program, please visit Bauer Graduate Certificates.

Admission Requirements

You must be a current Bauer graduate student to enroll in any of our certificate programs.

Certificate Requirements

Credit hours required for the certificate: 9.0



Complete 9 credit hours from the following:

FINA 7A30 - Advanced Corporate Finance **Credit Hours: 1.5**

FINA 7A33 - Mergers & Acquisitions I **Credit Hours: 1.5**

FINA 7A97 - Selected Topics in Finance **Credit Hours: 1.5**

Topic(s):

Strategy for Project Finance

Techniques for Project Finance

Fixed Income Security Analysis

FINA 7352 - Energy Derivatives **Credit Hours: 3.0**

FINA 7360 - International Finance **Credit Hours: 3.0**

FINA 7397 - Selected Topics in Finance **Credit Hours: 3.0**

Topic(s):

Energy Value Creation

Energy Insurance and Risk Management

Future of Value Creation in the O & G Industry

ACCT 7397 - Selected Topics in Accounting **Credit Hours: 3.0**

Topic(s):

Oil and Gas Accounting

Academic Policies

University of Houston Academic Policies

College Academic Policies

Energy Investment Analysis Certificate

Students interested in developing superior insight into the economics of energy industry capital projects should consider this certificate. Students currently working in or interested in working in project development, strategic planning, mergers and acquisitions, capital budgeting, business unit management or energy security analysis should find this certificate helpful to career development.

All courses assume a basic familiarity with the standard NPV/IRR methodology. EIA focuses on special analytical challenges characteristic of the energy industry. These include the tendency for energy projects to contain various embedded options, the capacity of many projects to support substantial amounts of project debt, the fact that energy projects typically are conceived within broader competitive strategies and the reality that many such projects are exposed to varied, severe political risks. EIA will expose students to specific analytical frameworks and strategies that address these challenges, such as: Real options, Competitive Strategy, Project Finance with Leveraged Economics, and market-based techniques to measure and adjust for political risk.

For additional information regarding the certificate program, please visit Bauer Graduate Certificates.

Admission Requirements

You must be a current Bauer graduate student to enroll in any of our certificate programs.

Certificate Requirements

Credit hours required for this certificate: 9.0



Complete 9 credit hours from the following:

FINA 7A97 - Selected Topics in Finance **Credit Hours: 1.5**

Topic(s):

Fixed Income Security Analysis

Strategy for Project Finance

Techniques for Project Finance

FINA 7A30 - Advanced Corporate Finance **Credit Hours: 1.5**

FINA 7A33 - Mergers & Acquisitions I **Credit Hours: 1.5**

FINA 7360 - International Finance **Credit Hours: 3.0**

FINA 7376 - Energy Trading **Credit Hours: 3.0**

FINA 7397 - Selected Topics in Finance **Credit Hours: 3.0**

Topic(s):

Energy Analysis

Financial Risk Management

Future of Value Creation in the O & G Industry

Midstream Energy Finance

Energy Value Creation

Electric Power Markets

ACCT 7397 - Selected Topics in Accounting **Credit Hours: 3.0**

Topic(s) :

Oil and Gas Accounting

BZAN 7320 - Business Modeling For Competitive Advantage **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies

Academic Policies: C.T. Bauer College of Business

Energy Risk Management Certificate

Although many positions in the energy sector are involved in energy trading and risk management, often the technical analysis done for companies is done in a practical but unscientific manner. The NYMEX **Energy Risk Management (ERM) Certificate** from the Bauer College provides the underlying financial theory and economic underpinnings necessary to rationally manage risk in the energy sector.

Students take a set of three courses designed to provide them with the essential principles of Energy Derivatives Trading. Each student combines that knowledge with an additional set of courses in Project Investment Analysis or Energy Industry Economics.

For additional information regarding the certificate program, please visit Bauer Graduate Certificates.

Admission Requirements

You must be a current Bauer graduate student to enroll in any of our certificate programs.

Certificate Requirements

Credit hours required for this certificate: 12.0



Students must complete FINA 7352 plus an additional 9 credit hours from the elective list below for a total of 12 credit hours.

Required:

FINA 7352 - Energy Derivatives **Credit Hours: 3.0**

Elective Options:

FINA 7A10 - Valuation **Credit Hours: 1.5**

FINA 7A97 - Selected Topics in Finance **Credit Hours: 1.5**

Topic(s):

Fixed Income Security Analysis

FINA 7A33 - Mergers & Acquisitions I **Credit Hours: 1.5**

FINA 7371 - Energy Value Chain **Credit Hours: 3.0**

FINA 7350 - Derivatives I: Options **Credit Hours: 3**

FINA 7351 - Derivatives II: Forwards, Futures and Swaps **Credit Hours: 3**

FINA 7376 - Energy Trading **Credit Hours: 3.0**

FINA 7397 - Selected Topics in Finance **Credit Hours: 3.0**

Topic(s):

Financial Engineering

Energy Analysis

Financial Risk Management

Energy Insurance and Risk Management

Future of Value Creation in the O & G Industry

Energy Value Creation

MIS 7397 - Selected Topics in Management Information Systems **Credit Hours: 3.0**

Topic(s):

Energy Trading Systems

Academic Policies

University of Houston Academic Policies

Academic Policies: C.T. Bauer College of Business

Financial Services Management Certificate

The program exists to serve:

Houston Financial Community: Local program whose graduates have **experience** with the valuation and portfolio management skills commonly used in financial services.

Students: Rigorous year-long program integrating theory and practice that leads to a well-defined graduate credential. Complement to MBA or M.S. Finance degrees.

Elements of the Program

The focus is on Finance and related disciplines as they apply to investment management, banking, venture finance and financial consulting.

Students work in 4 teams as professional staff of a financial services company throughout the entire experience: Cougar Investment Fund, L.L.C., a private investment company.

Small, select group of students return as "senior managers" and are responsible for leading teams and achieving overall objectives.



Target Audience

Individuals employed or who wish to be marketable as

Securities/Banking/Insurance Managers: Business valuation, risk-management and fund accounting techniques used in Brokerage, Mutual Funds, Trust Management, Commercial Lending, Investment Banking and Insurance.

Corporate Financial Managers: Understanding how financial markets assess the value of management decisions.

For additional information regarding the certificate program, please visit Bauer Graduate Certificates.

Admission Requirements

You must be a current Bauer graduate student to enroll in this certificate program. An application must be submitted for admission into this certificate. A student will be notified upon acceptance into the certificate program.

Certificate Requirements

Credit hours required for the certificate: 15.0

FINA 7323 - Applied Equity Fund Management **Credit Hours: 3.0** (9 credit hours Cougar Investment Fund)

FINA 7A10 - Valuation **Credit Hours: 1.5**

FINA 7A20 - Capital Markets **Credit Hours: 1.5**

FINA 7A23 - Portfolio Theory and Practice **Credit Hours: 1.5**

FINA 7A97 - Selected Topics in Finance **Credit Hours: 1.5**

Topic(s): Corp Strategy-Equity Fund Management

Academic Policies

University of Houston Academic Policies

Academic Policies: C.T. Bauer College of Business

Investment Analysis Certificate

The Investment Analysis Certificate prepares students for careers that include investment management, trading, security analysis, and personal financial planning. Students with this background may be hired by investment banks, institutional money management firms, firms that specialize in trading of derivatives, and personal financial planning specialist firms.

For additional information regarding this certificate programs, please visit Bauer Graduate Certificates.

Admission Requirements

You must be a current Bauer graduate student to enroll in this certificate program.

Certificate Requirements

Credit hours required for this certificate: 9.0



Required (6 Credit Hours)

FINA 7A10 - Valuation **Credit Hours: 1.5**

FINA 7A20 - Capital Markets **Credit Hours: 1.5**

FINA 7A23 - Portfolio Theory and Practice **Credit Hours: 1.5**

FINA 7A97 - Selected Topics in Finance **Credit Hours: 1.5**

Topic(s):

Fixed Income Security Analysis

Elective Options (3 Credit Hours)

FINA 7A97 - Selected Topics in Finance **Credit Hours: 1.5**

Topic(s):

Personal Financial Planning

FINA 7350 - Derivatives I: Options **Credit Hours: 3**

FINA 7397 - Selected Topics in Finance **Credit Hours: 3.0**

Topic(s):

Financial Engineering

Academic Policies

University of Houston Academic Policies

College Academic Policies

Investment Banking and Private Equity Certificate

The Investment Banking and Private Equity Certificate prepares students for a career in investment banking and private equity. Investment banks and private equity funds assist corporations in their financial decision making and in the implementation of their financial strategies. This includes decisions about capital structure, raising funds (by issuing securities), and financial restructuring of a firm: Mergers and acquisitions, buyouts, initial public offerings, and the resolution of financial distress. Experts in this area may also be hired by large and mid-size corporations (business development), consulting firms, and commercial banks.

For additional information regarding the certificate program, please visit Bauer Graduate Certificates.

Admission Requirements

You must be a current Bauer graduate student to enroll in this certificate program.

Certificate Requirements

Credit hours required for the certificate: 9.0

Required

FINA 7A10 - Valuation **Credit Hours: 1.5**

FINA 7A20 - Capital Markets **Credit Hours: 1.5**

FINA 7A30 - Advanced Corporate Finance **Credit Hours: 1.5**



FINA 7A33 - Mergers & Acquisitions I **Credit Hours: 1.5**

FINA 7326 - Private Equity and Investment Banking **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies

Academic Policies: C.T. Bauer College of Business

Real Estate Certificate

The UH Bauer Graduate Real Estate Certificate prepares students for a successful career in the dynamic field of real estate through practice based academic courses and close working relationships with Houston's most successful real estate executives.

For additional information regarding the certificate program and new elective course options for the certificate, please visit Bauer Graduate Certificates.

Admission Requirements

You must be a current Bauer graduate student to enroll in this certificate program.

Certificate Requirements

Credit hours required for certificate: 12.0

Students must complete the following 12 credit hours:

FINA 7380 - Real Estate Finance **Credit Hours: 3.0**

FINA 7397 - Selected Topics in Finance **Credit Hours: 3.0**

Topic(s):

Essentials of Real Estate Principles

Developing a Real Estate Project

Real Estate Market Research and Valuation

Academic Policies

University of Houston Academic Policies

Academic Policies: C.T. Bauer College of Business

Wealth Management Certificate

Wealth management is an enormous industry world-wide, and financial advisory services in this area have been growing rapidly.

Specialization in wealth management is increasingly sought by employers in the investment management industry. In response to these industry trends and potential for high quality careers for our students, the Finance Department proposes to offer a Wealth Management Certificate for students in the graduate program.



The Wealth Management Certificate prepares students for careers in the fast-growing area of wealth management and personal financial planning. In addition to investment planning, wealth management involves tax planning, estate planning, and retirement planning services. Students with this background may be hired by firms specializing in personal financial advising, commercial banks, insurance companies, brokerage firms, trust companies, and money management companies.

For additional information regarding the certificate program, please visit Bauer Graduate Certificates.

Admission Requirements

You must be a current Bauer graduate student to enroll in any of our certificate programs.

Certificate Requirements

Bauer College masters students can earn the Certificate by taking the following courses, which amount to a total of 12 credit hours.

Credit hours required for this certificate: 12.0

FINA 7A20 - Capital Markets **Credit Hours: 1.5**

FINA 7324 - Investment & Portfolio Management Project I **Credit Hours: 3**

FINA 7325 - Investment & Portfolio Management Project II **Credit Hours: 3**

Academic Policies

University of Houston Academic Policies

Academic Policies: C.T. Bauer College of Business

Department of Management and Leadership

Master

Management and Leadership, MS

The Online Master of Science in Management and Leadership (MS-M&L) will improve the marketability of undergraduates who have earned degrees in the humanities, fine arts, and social sciences by providing them with fundamental knowledge of business and management skills. Its purpose is to facilitate these graduates' searches for entry-level positions in organizations across a wide variety of disciplines and industry types. It is conceptualized as a graduate "bridge" degree between non-business undergraduate degrees and advanced business degrees such as the MBA.

For more information, please visit the Master of Science in Management and Leadership program page: <https://www.bauer.uh.edu/graduate-studies/prospective-students/ms-management-leadership/>.

Admission Requirements

Admission eligibility for the Online MS-M&L program requires a four-year undergraduate degree (or foreign equivalent) from an accredited institution. The undergraduate degree may be in any discipline. Online Application



Online Application

Submit an application through Applyweb.

The cost to apply for all MBA programs and Specialized Masters programs is \$0 through January 3, 2019. All application fees are waived through January 3, 2019.

We value the extraordinary talents, experiences, and diversity that veterans bring to the Bauer Specialized Master's program. In recognition of your service, Bauer College of Business commits to waiving the application fee.

Please contact us in order to receive your unique, one-time use waiver code: <https://www.bauer.uh.edu/graduate-studies/prospective-students/military/>.

The online application will include questions on the following topics:

- Personal Information
- Program of Choice
- Academic History
- Test Information (GRE, GMAT, Test of English Language Proficiency)
- Resume/Goal Statement
- Benefits & Financial Aid
- Emergency Contact Information
- Letter of Recommendation
- Texas Residency Questionnaire

Disclaimer: Subject to change without notice. Please contact your Admissions Representative if you have specific questions about the application.

Transcript

Applicants must have earned a bachelor's degree from an institution accredited by one of the six regional accrediting associations. Scanned copies of official transcripts may be uploaded as PDF files to your online application. If admitted, however, you will not be able to enroll without the official transcript(s) showing your undergraduate degree conferral on file.

Official transcript(s) should be sent to:

Regular Mail:

*University of Houston
Graduate Admissions
P.O. Box 3947
Houston, TX 77253-3947*

Express Mail:

*University of Houston
Graduate Admissions
4302 University Dr. Rm 102
Houston, TX 77204-2012*

Electronic or "Speede" Transcript:

Within the U.S., the fastest way to send your transcript is electronically. Please inquire at your previous institution about this option. Electronic transcripts can be delivered via email to gradschool@uh.edu.

Test Scores

Scanned official copies or self-reported scores must be included in your online application. GMAT and GRE test scores are valid for five years after the test date. Scores must be valid at the time of application submission.

The University of Houston Graduate School is pleased to offer a GRE/GMAT Waiver program for UH main campus undergraduate students. To qualify, students must have graduated from the University of Houston main campus within 3 years preceding the term for which they are applying. Students must also meet the minimum undergraduate GPA for the degree program to which they are applying. Please visit the GRE/GMAT Waiver website for more information: <http://www.uh.edu/graduate-school/admissions/gre-gmat-waiver/>.

Résumé

Please upload a copy of your most recent resume, highlighting your professional and academic experiences, as well as recognizable accomplishments to your online application.



Goal Statement

In one to two pages, discuss what motivates you, how your personal and professional experience has shaped you, and how you will maximize the specialized Master's degree to reach your future goals.

Letter of Recommendation

Two letters of recommendation are required. These recommendations are gathered electronically through the online application system. You will be required to enter an email address for your recommender which will allow an online form to automatically be sent to your recommender.

Degree Requirements

Credit hours required for this degree: 30.0

The Master of Science in Management and Leadership requires 30.0 total graduate credit hours, consisting of 18.0 credit hours from core skills courses, and 12.0 credit hours of elective courses.

All required coursework (core, advanced, and elective courses) for completion of the degree will be offered in an online format. Under certain circumstances and with the approval of the program director, face-to-face classes may be used to fulfill the practical and/or elective requirements.

Required Core Skills Courses

Students are required to take the following core skills courses:

- MANA 6310 - Fundamentals of Business **Credit Hours: 3**
- MANA 6A25 - Ethical Leadership & Critical Reasoning **Credit Hours: 1.5**
- MANA 6A32 - Organizational Behavior & Management **Credit Hours: 1.5**
- MANA 6A83 - Strategic Analysis **Credit Hours: 1.5**
- MANA 7A49 - Managerial Decision Making **Credit Hours: 1.5**
- MANA 7332 - Effective Negotiating **Credit Hours: 3**
- MANA 7336 - Strategic Human Resource Management **Credit Hours: 3**
- MANA 7339 - Leadership Development **Credit Hours: 3.0**

Elective Courses

Students in the proposed program are required to take 12 hours of elective courses in management from the courses listed below. Other courses may be used as electives with the approval of the Program Director.

- MANA 7A80 - Implementation of Strategies **Credit Hours: 1.5**
- MANA 7338 - Organizational Power, Politics, & Culture **Credit Hours: 3**
- MANA 7340 - Management of High Tech Organizations **Credit Hours: 3**
- MANA 7343 - International Legal Environment of Management **Credit Hours: 3**
- MANA 7346 - Global Human Resource Management **Credit Hours: 3**
- MANA 7351 - Management of Global Organizations **Credit Hours: 3.0**
- MANA 7353 - Regional Issues in Global Management **Credit Hours: 3**
- MANA 7354 - Cultural Issues in Global Management **Credit Hours: 3**
- MANA 7356 - Diversity Management **Credit Hours: 3.0**
- MANA 7358 - Compensation & Benefits **Credit Hours: 3**
- MANA 7393 - Global Strategy **Credit Hours: 3.0**
- MANA 7330 - Employment Law & Labor Relations **Credit Hours: 3**



MANA 7375 - Global Leadership **Credit Hours: 3**
MANA 7380 - People Analytics **Credit Hours: 3**
MANA 7392 - Managerial Issues **Credit Hours: 3.0**
MANA 7395 - Practical Experiences in Management **Credit Hours: 3**

Academic Policies

University of Houston Academic Policies
Academic Policies: C.T. Bauer College of Business

There are no waivers of core skills or required advanced course hours.

Students who lack fundamental skills in statistics and research methods will be strongly encouraged to utilize at least 3 of their available elective hours completing a statistics-related course (e.g., BZAN 6310)

All required coursework (core, advanced, and elective classes) for completion of the degree will be offered in an online format. Under certain circumstances and with the approval of the program director, face-to-face classes may be used to fulfill the practical and/or elective requirements.

Continuous Enrollment

Unless students petition for a leave of absence, they must maintain continuous enrollment during the program. Students who are out of the program for more than one calendar year will be under the jurisdiction of the catalog in effect at the time of reentry.

Students who fail to maintain continuous enrollment for more than two calendar years must reapply for admission to the program and must meet admission requirements in effect at that time.

Effective Semester of Admission

Admission to the program is only granted for a specified semester, which marks the effective semester of admission. Enrollment postponement to a later semester is not available.

Graduate Certificate

Global Management Certificate

The primary purpose of this certificate is to provide students the tools to deal with the challenge of the business environment's trend towards globalization. This includes understanding differences in managing multi-national rather than domestic firms, and how globalization has forever transformed the business environment. Students can also get first hand knowledge of country differences and global businesses through courses that include a study abroad component.

For additional information regarding the certificate program and new elective course options for the certificate, please visit Bauer Graduate Certificates.

Admission Requirements

You must be a current Bauer graduate student to enroll in any of our certificate programs.



Degree Requirements

Credit hours required for this certificate: 9.0

Students must complete 9 credit hours from the following:

MANA 7343 - International Legal Environment of Management **Credit Hours: 3** - (Prague)

MANA 7346 - Global Human Resource Management **Credit Hours: 3** - (Berlin)

MANA 7351 - Management of Global Organizations **Credit Hours: 3.0**

MANA 7353 - Regional Issues in Global Management **Credit Hours: 3** - (Chile/Prague)

MANA 7375 - Global Leadership **Credit Hours: 3**

or

MANA 7A97 - Selected Topics in Management **Credit Hours: 1.5**

Topic(s):

Global Leadership

MANA 7397 - Selected Topics in Management **Credit Hours: 3**

Topic(s):

Globalization: Stakeholder Perspect

Cross-Cultur Bus Communication - (Prague)

Current Issues in International Business

Positive Leadership in a Global Context - (Berlin)

Managerial Issues in International Business

Cultural Issues - (Chile)

Global Strategy

Strategic Leadership in Emerging Markets

INTB 7365 - Business and World Economy **Credit Hours: 3.0** - (Chile/China)

GENB 6330 - International Environment of Business **Credit Hours: 3.0** - (China)

GENB 7334 - Brainstorming to Bankrolling: Beyond the Classroom **Credit Hours: 3.0**

or

FINA 7397 - Selected Topics in Finance **Credit Hours: 3.0**

Topic(s):

Brainstorming to Bankrolling: Beyond the Classroom

Academic Policies

University of Houston Academic Policies

Academic Policies: C.T. Bauer College of Business

Human Resource Management Certificate

The primary purpose of this certificate is to provide students with the know-how and skill sets needed to effectively manage human resources in a variety of business contexts and settings.

Please visit our website for additional information about Bauer Graduate Certificates.

Admission Requirements

You must be a current Bauer graduate student to enroll in any of our certificate programs.



Certificate Requirements

Certificate Total: 9.0 Credit Hours

Required Course (3.0 Credit Hours)

MANA 7336 - Strategic Human Resource Management **Credit Hours: 3**

Elective Options (6.0 Credit Hours):

MANA 7330 - Employment Law & Labor Relations **Credit Hours: 3**

MANA 7334 - Management Development & Career Planning **Credit Hours: 3**

MANA 7344 - Employee & Labor Relations **Credit Hours: 3**

MANA 7346 - Global Human Resource Management **Credit Hours: 3** -(Berlin)

MANA 7355 - Staffing & Performance Improvement Systems **Credit Hours: 3**

MANA 7356 - Diversity Management **Credit Hours: 3.0**

MANA 7358 - Compensation & Benefits **Credit Hours: 3**

MANA 7397 - Selected Topics in Management **Credit Hours: 3**

Topic: HR Management in Oil and Gas Sector

FINA 7329 - Behavioral Finance **Credit Hours: 3.0** or

MANA 7329 - Behavioral Finance **Credit Hours: 3.0**

Academic Policies

University Academic Policies

Academic Policies: C.T. Bauer College of Business

Leadership Development Certificate

C.T. Bauer College of Business > Department of Management and Leadership > Leadership Development Certificate

In today's complex and changing environment, organizations are seeking to hire and promote individuals who understand and can display effective leadership behaviors. It is important for managers and aspiring managers to learn about the nature of effective leadership and how they can develop their own competencies in this area. Accordingly, the primary purpose of this certificate is to examine leadership effectiveness at three levels: leadership skill sets for the individual, including leadership development and leading change; strategic governance issues for organizations, as well as ethics and social responsibility; and leadership in a global context, including effective leadership practices across cultures. Students who select this Leadership Certificate will have an edge on their competition in the job market and will be able to demonstrate their leadership savvy and understanding of the critical importance of leadership to the bottom line.

Please visit our website for additional information about Bauer Graduate Certificates.

Admission Requirements

You must be a current Bauer graduate student to enroll in any of our certificate programs.

Certificate Requirements

Certificate Total: 9.0 Credit Hours



Required Course (3.0 Credit Hours)

MANA 7339 - Leadership Development **Credit Hours: 3.0**

Elective Options (6.0 Credit Hours):

MANA 7332 - Effective Negotiating **Credit Hours: 3**

MANA 7338 - Organizational Power, Politics, & Culture **Credit Hours: 3**

MANA 7340 - Management of High Tech Organizations **Credit Hours: 3**

MANA 7347 - Managerial Ethics & Corporate Social Responsibility **Credit Hours: 3**

MANA 7362 - Leading Change **Credit Hours: 3.0**

MANA 7363 - Managing Innovation & Creativity **Credit Hours: 3**

MANA 7375 - Global Leadership **Credit Hours: 3**

MANA 7A97 - Selected Topics in Management **Credit Hours: 1.5**

Topic: Global Leadership

MANA 7397 - Selected Topics in Management **Credit Hours: 3**

Topics:

Leadership and Corporate Governance

Positive Leadership in a Global Context - (Location: Berlin)

Global Strategy

Strategic Leadership in a Emerging Markets

Academic Policies

University Academic Policies

Academic Policies: C.T. Bauer College of Business

Department of Marketing & Entrepreneurship

Master

Entrepreneurship, MS

The Master of Science in Entrepreneurship is designed to give existing and aspiring entrepreneurs the skills and networks to be successful. It offers customized learning that allows students to tailor the program to their individual interests, and opportunities to network with Houston's business community.

Degree Requirements

Credit hours required for this degree: 30.0

The Master of Science in Entrepreneurship is a 30-hour program with components for required courses (15 hours), experiential study centered around the student's interests (6 hours), and elective courses that allow students to build specific skills according to their needs and interests (9 hours).

Required Courses

15.0 Credit Hours



ENTR 7335 - Entrepreneurial Profit and Cash Management **Credit Hours: 3**
ENTR 7336 - Entrepreneurship Overview **Credit Hours: 3.0**
ENTR 7390 - Technology Entrepreneurship may be taken in place of ENTR 7336.
ENTR 7337 - Entrepreneurship Capital & Legal Forms **Credit Hours: 3.0**
MARK 6A61 - Marketing Administration **Credit Hours: 1.5**
ENTR 7338 - Entrep Business Plan **Credit Hours: 3.0**

Prescribed Electives

6.0 Credit Hours

GENB 6398 - Research **Credit Hours: 3.0** (*taken 2 times*)

The following electives may be used in place of GENB 6398 with permission of the department chair:

ENTR 7339 - Venture Fund **Credit Hours: 3.0**
ENTR 7393 - RED Labs Pre-accelerator **Credit Hours: 3.0**
ENTR 7394 - RED Labs Accelerator **Credit Hours: 3.0**
GENB 7334 - Brainstorming to Bankrolling: Beyond the Classroom **Credit Hours: 3.0**
GENB 7393 - Business Consulting Lab I **Credit Hours: 3.0**
GENB 7394 - Business Consulting Lab II **Credit Hours: 3.0**

Free Electives

9.0 Credit Hours

ENTR 7339 - Venture Fund **Credit Hours: 3.0**
ENTR 7390 - Technology Entrepreneurship **Credit Hours: 3.0**
ENTR 7393 - RED Labs Pre-accelerator **Credit Hours: 3.0**
ENTR 7394 - RED Labs Accelerator **Credit Hours: 3.0**
FINA 6A35 - Managerial Finance **Credit Hours: 1.5**
FINA 7A10 - Valuation **Credit Hours: 1.5**
FINA 7A20 - Capital Markets **Credit Hours: 1.5**
FINA 7A23 - Portfolio Theory and Practice **Credit Hours: 1.5**
FINA 7A30 - Advanced Corporate Finance **Credit Hours: 1.5**
FINA 7A33 - Mergers & Acquisitions I **Credit Hours: 1.5**
FINA 7326 - Private Equity and Investment Banking **Credit Hours: 3.0**
FINA 7380 - Real Estate Finance **Credit Hours: 3.0**
FINA 7381 - Principles of Real Estate **Credit Hours: 3**
FINA 7382 - Developing a Real Estate Project **Credit Hours: 3**
FINA 7383 - Real Estate Market Analysis & Valuation **Credit Hours: 3**
MANA 6A83 - Strategic Analysis **Credit Hours: 1.5**
MANA 7A49 - Managerial Decision Making **Credit Hours: 1.5**
MANA 7A80 - Implementation of Strategies **Credit Hours: 1.5**
MANA 7330 - Employment Law & Labor Relations **Credit Hours: 3**
MANA 7336 - Strategic Human Resource Management **Credit Hours: 3**
MANA 7337 - Stress & Work **Credit Hours: 3**
MANA 7338 - Organizational Power, Politics, & Culture **Credit Hours: 3**
MANA 7339 - Leadership Development **Credit Hours: 3.0**
MANA 7340 - Management of High Tech Organizations **Credit Hours: 3**



MANA 7341 - Strategic Management of Technology & Innovation **Credit Hours: 3**
MANA 7355 - Staffing & Performance Improvement Systems **Credit Hours: 3**
MANA 7356 - Diversity Management **Credit Hours: 3.0**
MANA 7358 - Compensation & Benefits **Credit Hours: 3**
MANA 7362 - Leading Change **Credit Hours: 3.0**
MARK 7362 - Management of Marketing Information **Credit Hours: 3.0**
MARK 7365 - Introduction to Digital Marketing **Credit Hours: 3.0**
MARK 7366 - Digital Marketing Analytics **Credit Hours: 3**
MARK 7367 - Digital Marketing Lab **Credit Hours: 3.0**
MARK 7368 - Integrated Marketing Communications **Credit Hours: 3.0**
MARK 7371 - Pricing Strategy **Credit Hours: 3.0**
MARK 7374 - New Product Development **Credit Hours: 3.0**
MARK 7376 - Brand Management **Credit Hours: 3.0**
MARK 7377 - Customer Relationship Management and Database Marketing **Credit Hours: 3.0**
MARK 7378 - Strategic Selling **Credit Hours: 3.0**
MARK 7379 - Sales Leadership **Credit Hours: 3.0**
GENB 6A50 - Business Communications **Credit Hours: 1.5**
GENB 7334 - Brainstorming to Bankrolling: Beyond the Classroom **Credit Hours: 3.0**
GENB 7393 - Business Consulting Lab I **Credit Hours: 3.0**
GENB 7394 - Business Consulting Lab II **Credit Hours: 3.0**

Academic Policies

Academic Policies: C.T. Bauer College of Business
University of Houston Academic Policies

Marketing, MS

The Master of Science in Marketing program is a 30-hour program that can be completed in 12 months of full-time study or 24 months of part-time study. It offers:

Cutting-edge curriculum. Learn the latest in digital marketing, social media marketing, customer relationship management and more.

Customized learning. Select electives that build deep knowledge in areas such as Digital, Analytics, Product Management, Sales Leadership and Entrepreneurship & Technology.

Connections to the business community. Opportunities and encouragement to do real-life projects with Houston's business community.

World-class faculty. The Chronicle of Higher Education recently ranked Bauer #9 among leading research universities for scholarly productivity in marketing, and our executive faculty have had the job you want.

Prize-winning programs in digital marketing, selling and sales management, and entrepreneurship.

The MS in Marketing admits students for fall and spring semesters. The students range in age from 22-31 with average work experience of 2 years and average GMAT scores of 575.

Please visit our website for more information: <http://www.bauer.uh.edu/graduate-studies/prospective-students/ms-marketing/>.

Admission Requirements

Admission eligibility for the Master of Science in Marketing requires a four-year undergraduate degree (or foreign equivalent) from an accredited institution. The undergraduate degree may be in any discipline.



Applications are accepted for Fall and Spring terms.

A complete application should include:

Application for Graduate Studies

Transcripts

Domestic transcripts - official transcripts from all higher education institutions attended

International transcripts - one original transcript and degree certificate in the original language and the other must be an official English Translation of the transcript.

Test Scores

Official GMAT or GRE scores, less than 5 years old

International applicants must submit comply with English language proficiency requirements. Full details are found at <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency/>.

One of the following tests may be submitted to meet this requirement. Please note that scores over two years old will not be accepted.

Official TOEFL (Test of English as a Foreign Language) score above 603 on the paper-based test or 100 on the Internet-based test.

Official IELTS (International English Language Testing System) score above 6.5.

Official PTE Academic (Pearson Test of English Academic) minimum of 70.

Non-refundable Application Fee(s)

An application fee is required and varies depending on type of application.

Additional Requirements for International Applicants are described in more detail at <http://www.uh.edu/graduate-school/admissions/international-students/>.

NOTE: *International students must have a four-year degree from an accredited university to apply for the MBA. Three-year degrees are not considered equivalent. There is no bridge program at UH. Students with a three-year degree will likely need to combine it with a completed master's degree from their home country before applying.*

The following documents must also be submitted as part of the application package:

Resume

Goal Statement- In one to two pages, discuss what motivates you, how your personal and professional experience has shaped you, and how will you maximize the specialized Master's degree to reach your future goals.

Letters of Recommendation

Degree Requirements

The Master of Science in Marketing consists of 30.0 credits of graduate study: 10.5 credits of required foundation courses and one professional project, the remaining coursework comprised of electives.

Program information is subject to change.

Required Foundation Courses and Professional Project

10.5 Credit Hours

ACCT 6331 - Financial Accounting **Credit Hours: 3.0**

BZAN 6310 - Quantitative Analysis for Business Decisions **Credit Hours: 3.0**

MARK 6A61 - Marketing Administration **Credit Hours: 1.5**

MARK 7399 - MS Marketing Professional Project **Credit Hours: 3**



Elective Courses

19.5 SCH of elective courses

Academic Policies

University Academic Policies

Academic Policies: C.T. Bauer College of Business

Department/Program Policies

All coursework in the MS in Marketing Program is graduate-level.

Non-marketing electives may be included in your MSM program with prior approval from the UH Department of Marketing & Entrepreneurship.

Continuous Enrollment

Unless students petition for a leave of absence, they must maintain continuous enrollment during the fall and spring semesters. Students who are out of the program for more than one calendar year will be under the jurisdiction of the catalog in effect at the time of reentry.

Students who fail to maintain continuous enrollment for more than two calendar years must reapply for admission to the program and must meet admission requirements in effect at that time.

Effective Semester of Admission

Admission is granted for a specific semester. If students wish to postpone enrollment, they must secure approval from the graduate advisor. The first semester in which students, as graduate students, complete graduate-level work that applies toward a degree is the effective semester of admission.

Sales Leadership, MS

The Master of Science in Sales Leadership is designed to give existing and aspiring sales leaders the skills and networks to be successful. It offers customized and experiential learning that allows students to tailor the program to their individual interests.

Degree Requirements

Credit hours required for this degree: 30.0

The Master of Science in Sales Leadership is a 30-hour program with components for required courses (21 hours), including individual projects centered around the student's interests, and elective courses that allow students to build specific skills according to their needs and interests (9 hours).

Required Courses

21.0 Credit Hours

FINA 6A35 - Managerial Finance **Credit Hours: 1.5**

BZAN 7320 - Business Modeling For Competitive Advantage **Credit Hours: 3.0**

ENTR 7335 - Entrepreneurial Profit and Cash Management **Credit Hours: 3**

MARK 7379 - Sales Leadership **Credit Hours: 3.0**



GENB 6A50 - Business Communications **Credit Hours: 1.5**
MARK 7347 - Sales Analytics **Credit Hours: 3**
MARK 6A98 - Research **Credit Hours: 1.5** (*taken 2 times*)

Prescribed Electives

3.0 Credit Hours

MARK 7A43 - Digital and Inside Sales **Credit Hours: 1.5**
MARK 7A44 - Customer Relationship Management **Credit Hours: 1.5**
MARK 7A45 - Complex and Key Account Sales **Credit Hours: 1.5**

Elective Courses

6.0 Credit Hours

Drawn from existing Bauer courses **Credit Hours: 3.0**
Drawn from existing Bauer courses **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies
Academic Policies: C.T. Bauer College of Business

Graduate Certificate

Business Consulting Certificate

This certificate program will improve your ability to understand and solve business problems, with a focus on solutions that fit the organization and can be implemented. The emphasis is on learning through a live management consulting project with a real-world client.

For additional information regarding the certificate program and new elective course options for the certificate, please visit Bauer Graduate Certificates.

Admission Requirements

You must be a current Bauer graduate student to enroll in any of our certificate programs.

Certificate Requirements

Credit hours required for certificate: 9.0

Required (6.0 Credit Hours):

MARK 7393 - Business Consulting Lab I **Credit Hours: 3.0** or
GENB 7393 - Business Consulting Lab I **Credit Hours: 3.0**
MARK 7394 - Business Consulting Lab II **Credit Hours: 3.0** or



GENB 7394 - Business Consulting Lab II **Credit Hours: 3.0**

Elective Course Option (3.0 Credit Hours):

MARK 7362 - Management of Marketing Information **Credit Hours: 3.0**

GENB 7334 - Brainstorming to Bankrolling: Beyond the Classroom **Credit Hours: 3.0**

FINA 7397 - Selected Topics in Finance **Credit Hours: 3.0**

Topic: Brainstorming to Bankrolling: Beyond the Classroom

Academic Policies

University Academic Policies

Academic Policies: C.T. Bauer College of Business

Digital Marketing Management Certificate

This certificate will provide students with skills that are increasingly important in the world of marketing and enhance their career opportunities. An increasing percentage of the jobs listed through the Houston chapter of the American Marketing Association call for digital skills, and Bauer has been hosting the Houston Interactive Marketing Association (HIMA) Career Fair to bring these opportunities to campus.

For additional information regarding the certificate program and new elective course options for the certificate, please visit Bauer Graduate Certificates.

Admission Requirements

You must be a current Bauer graduate student to enroll in any of our certificate programs.

Certificate Requirements

Credit hours required for certificate: 9.0

Required 3.0 Credit Hours:

MARK 7365 - Introduction to Digital Marketing **Credit Hours: 3.0**

Elective Course Options - 6.0 Credit Hours::

MARK 7332 - Social Media Marketing **Credit Hours: 3.0**

MARK 7333 - Search Engine Marketing **Credit Hours: 3.0**

MARK 7366 - Digital Marketing Analytics **Credit Hours: 3**

MARK 7367 - Digital Marketing Lab **Credit Hours: 3.0**

Academic Policies

University Academic Policies

Academic Policies: C.T. Bauer College of Business

Entrepreneurship Certificate



This certificate program will improve your ability to successfully launch or grow a business. It covers the basics of entrepreneurial business planning - including evaluating the feasibility of the business, estimating revenues, costs, and funding needs, and identifying key success factors - and then allows you to go deeper into questions such as where to get funding, how to present your business to potential investors or lenders, how to structure a funding term sheet, and how to turn technological developments into businesses.

For additional information regarding the certificate program and new elective course options for the certificate, please visit Bauer Graduate Certificates.

Admission Requirements

You must be a current Bauer graduate student to enroll in any of our certificate programs.

Certificate Requirements

Credit hours required for the certificate: 9.0

Required 3.0 credit hours selected from:

- ENTR 7336 - Entrepreneurship Overview **Credit Hours: 3.0**
- ENTR 7390 - Technology Entrepreneurship **Credit Hours: 3.0**

Electives 6.0 Credit Hours selected from the following:

- ENTR 7337 - Entrepreneurship Capital & Legal Forms **Credit Hours: 3.0**
- ENTR 7393 - RED Labs Pre-accelerator **Credit Hours: 3.0**
- ENTR 7394 - RED Labs Accelerator **Credit Hours: 3.0**
- ENTR 7339 - Venture Fund **Credit Hours: 3.0**
- ENTR 7341 - Family Business **Credit Hours: 3.0**
- FINA 7326 - Private Equity and Investment Banking **Credit Hours: 3.0**
- GENB 7334 - Brainstorming to Bankrolling: Beyond the Classroom **Credit Hours: 3.0**

Academic Policies

- University Academic Policies
- Academic Policies: C.T. Bauer College of Business

Marketing Analysis Certificate

This certificate program will improve your analytical marketing capabilities and decision making skills. Good marketing decisions are not just based on opinion, they are based on analysis, and this certificate will give you the tools to conduct that analysis.

For additional information regarding the certificate program and new elective course options for the certificate, please visit Bauer Certificate Programs.

Admission Requirements

You must be a current Bauer graduate student to enroll in any of our certificate programs.



Course Requirements

Credit hours required for this certificate: 9.0

Students must complete 9 credits hours from the following list:

MARK 7333 - Search Engine Marketing **Credit Hours: 3.0**

MARK 7362 - Management of Marketing Information **Credit Hours: 3.0**

MARK 7371 - Pricing Strategy **Credit Hours: 3.0**

GENB 7334 - Brainstorming to Bankrolling: Beyond the Classroom **Credit Hours: 3.0**

MARK 7377 - Customer Relationship Management and Database Marketing **Credit Hours: 3.0**

Academic Policies

University Academic Policies

Academic Policies: C.T. Bauer College of Business

Product Management Certificate

This certificate program will improve your general marketing capabilities, based on a three-step process for identifying, delivering and communicating value to your customers.

Step 1 is to use market information to understand customer needs, customer perceptions, and the competitive landscape so you can identify a value proposition that fits your organization and will be well received in the market.

Step 2 is to deliver on that value proposition by ensuring that all aspects of your current products and business practices are consistent with the value proposition and by developing new products that deliver on the value proposition.

Step 3 is to communicate your value to customers in a compelling, relevant way.

For additional information regarding the certificate program and new elective course options for the certificate, please visit Bauer Certificate Programs.

Admission Requirements

You must be a current Bauer graduate student to enroll in any of our certificate programs.

Course Requirements

Credit hours required for this certificate: 9.0

Students must complete MARK 7362, MARK 7368, plus three additional credit hours from the list below for a total of 9 credit hours.

Required (6.0 credit hours):

MARK 7362 - Management of Marketing Information **Credit Hours: 3.0**

MARK 7368 - Integrated Marketing Communications **Credit Hours: 3.0**

Election options (3 credit hours):

MARK 7369 - International Marketing **Credit Hours: 3.0**

MARK 7374 - New Product Development **Credit Hours: 3.0**

MARK 7376 - Brand Management **Credit Hours: 3.0**



MARK 7397 - Selected Topics in Marketing **Credit Hours: 3**
Topic: Luxury Branding (Paris)

Academic Policies

University Academic Policies
Academic Policies: C.T. Bauer College of Business

Sales Leadership Certificate

Purpose

The PES certificate in Sales Leadership will improve your effectiveness in selling yourself, your ideas, and your company's goods and services. It also will improve your understanding of how to manage customer relationships, especially business-to-business relationships with strategic customers, and how to lead a sales force.

For further information visit Bauer Graduate Certificates.

Admission Requirements

You must be a current Bauer graduate student to enroll in any of our certificate programs.

Course Requirements

Credit hours required for certificate: 9.0

Students must complete 9 credit hours from the list below:

MARK 7377 - Customer Relationship Management and Database Marketing **Credit Hours: 3.0**

MARK 7378 - Strategic Selling **Credit Hours: 3.0**

MARK 7379 - Sales Leadership **Credit Hours: 3.0**

MARK 7397 - Selected Topics in Marketing **Credit Hours: 3**

Topics:

Business to Business Marketing

Managing Sales Force Productivity

Academic Policies

University Academic Policies
Academic Policies: C.T. Bauer College of Business

Dual Degree Programs

Dual Degree - Graduate



Doctor of Jurisprudence, JD/MBA

JD/MBA

*Office of Student Services
Law Center
University of Houston
Houston, TX 77204-6060
(713) 743-1070*

Master of Business Administration at UH

The Law Center and the UH Bauer College of Business offer a dual JD/MBA program that prepares students for a wide range of careers where law and business overlap. This program holds special appeal for students directed toward investment banking, accounting, international trade, industrial relations, corporate law, the entertainment industry and management consulting. Full-time students complete the program in four years.

Contact:

*MBA Program Office
University of Houston
C.T. Bauer College of Business
334 Melcher Hall, Room 330
Houston, TX 77204-6021
(713) 743-0700
email: houstonmba@uh.edu
website: Master of Business Administration*

History, MA/JD

Master of Arts in History at UH

Disciplines of history and law are combined in a dual JD/MA program administered through the UH Law Center and the UH Department of History. The curriculum combines legal theory and practical training with graduate work in legal and constitutional history. Students enrolled at the UH Law Center who are successfully pursuing legal studies are eligible to apply for admission to the program during their first or second year in law school.

Contact:

*Daphyne Pitre, Graduate Advising Assistant
University of Houston
Department of History
524 Agnes Arnold Hall
Houston, Texas 77204-3003
(713) 743-3086
email: dpitre@central.uh.edu*



website: Master of Arts in History

Hospitality Management, MS/MBA

This three-year degree is offered through a partnership between Hilton College and the University of Houston's C.T. Bauer College of Business. Through this program, students earn both an MS and MBA in less time than it would take to earn each degree independently. This opportunity enables students to prepare for careers in which business and hospitality overlap.

For more information, please visit the Hospitality Management, MS/MBA program page.

The Dual Masters MS/MBA Degrees

Program Description

The Conrad N. Hilton College of Hotel and Restaurant Management and the C.T. Bauer College of Business Administration offer a joint degree program that enables students to prepare for careers in which business and hospitality overlap. By pursuing both the Master of Science (MS) in Hospitality Management and the Master of Business Administration (MBA) degrees concurrently, students can complete both degrees in a shorter time period than if they were to pursue the two independently. The joint MS/MBA program requires a minimum of 63 semester hours.

Application Process

Participation in the joint MS/MBS program requires separate applications to and acceptance by each of the participating schools within a calendar year. Applicants must meet the admission requirements of the two colleges before being admitted by petition to the joint MS/MBA program. Admission to one college has no official bearing on admission to the other.

Visit each program's website for more information about each degree

MBA Program

MS HRM Program

Admission Requirements

Participation in the joint MS/MBS program requires separate applications to and acceptance by each of the participating schools within a calendar year. Applicants must meet the admission requirements of the two colleges before being admitted by petition to the joint MS/MBA program. Admission to one college has no official bearing on admission to the other.

Degree Requirements

Credit hours required for this degree: 36.0

All MS degree candidates must complete a minimum of 36 semester credit hours of graduate coursework, at least 27 of which must be earned at the Hilton College.



The curriculum for this program requires students to complete courses in five areas, including hospitality management core courses; support and focus courses; electives; and a thesis, a professional paper and practicum, or an additional elective and practicum. Up to nine hours of elective credits can include non-HRMA courses with prior advisor approval.

Students can choose either the professional or research track to complete this degree.

Academic Policies

University Academic Policies

Social Work, MSW/MBA

C.T. Bauer College of Business > Dual Degree Programs > Social Work, MSW/MBA

MBA/Master of Social Work:

Graduate College of Social Work
Office of Student Services
University of Houston
Houston, TX 77204-4013
(713) 743-8082



Student Services: C.T. Bauer College of Business

The C. T. Bauer College Student Services' Offices are located in Cemo Hall and Melcher Hall, as well as the Classroom and Business Building, offering assistance to students in the areas of academic advising, admissions and academic records. Career services, scholarships, and special programs to graduate and undergraduate business students are also provided.

Graduate and Professional Programs Office, 424 Classroom and Business Building

The Graduate and Professional Programs Office within the C.T. Bauer College of Business is the administrative center for graduate admissions and academic advising for applicants or those admitted to the MBA and MS in programs. The staff is committed to quality student service. It also promotes recruitment and retention programs, proposes curricular innovations, and supports graduate business student organizations.

For questions relating to admission or for academic advising for the MBA or MS programs, please contact the Graduate and Professional Programs Office, 424 Classroom and Business Building, (713) 743- 0700. Advisors are available on an appointment basis.

Accountancy and Taxation Program Office, Master of Science in Accountancy, 304 Classroom and Business Building

The Accountancy and Taxation Programs Office with the C.T. Bauer College of Business is the administrative and academic unit for Certificate in Accountancy (CAP) and Master of Science in Accountancy, (MSACCY). For information about CAP, please contact the CAP advisor at (713) 743-5752 or e-mail applycap@uh.edu. Questions regarding MSACCY program admissions may be answered by emailing applymsaccy@uh.edu or calling (713) 743-4878. Current MSACCY students may contact their advisor by e-mailing msaccy@uh.edu or calling (713) 743-5936.

Rockwell Career Services Center, Second Floor of Cemo Hall

The Rockwell Career Services Center actively provides Bauer College students with the information, resources, and practical skills necessary to obtain a fulfilling career in today's competitive marketplace. The Career Center's mission is to complement Bauer students' academic experiences with career training and experiences to help them attain successful and fulfilling careers and increase the value of Bauer to the business community. The Center manages an on-campus recruitment service, online resume books and an active online job listing service serving companies targeting Bauer College students for full-time positions, internships, and special projects. The Center's experienced career counselors work with students individually and in group settings to help them clarify their career goals and develop the strategies and skills necessary for long-term career success.

The Rockwell Career Services Center may be contacted at (832) 842-6120 or at hirebauer@bauer.uh.edu. For more information on services, please visit the Career Center website.

Centers for Advanced Study, Research, and Executive Development

Five academic departments, Accountancy and Taxation, Decision and Information Sciences, Finance, Management, Marketing and Entrepreneurship and several centers for research and advanced study and management education are housed in the Bauer College of Business, located in Lucile and Leroy Melcher Hall.



AIM Center for Investment Management (ACIM)

The AIM Center serves as the focal point for the Cougar Investment Fund and its supporting courses. Located on the main floor of Melcher Hall, it offers the most comprehensive and technologically advanced systems available for accessing market and corporate information and for undertaking analytical research on business and financial market issues. The ACIM provides sixteen portfolio manager workstations, as well as classroom and conference areas that encourage students, faculty, and business professionals to interact in a technologically sophisticated environment.

Bauer Division of Technology (formerly Research and Instructional Computing Services)

The Bauer Division of Technology provides computing services and support for students, faculty, and staff in classroom instruction, research efforts, and college administration. BDT is responsible for supporting most of the technology services for Melcher Hall, Cemo Hall, and the Classroom and Business Building. The services provided are listed below:

- Student computer labs with print services to complete course work assignments.
- Mobile laptop lab for hands-on course delivery in any Bauer College of Business classroom.
- Multimedia equipment for quality classroom presentation.
- Facility for monitoring and videotaping course assignments involving role-playing and group interaction.
- Wireless Network spanning College of Business buildings and patio areas.
- Power equipped seats in classrooms for laptop and cell phone charging.

Bauer Supply Chain Management Center (BSCMC)

The Bauer Supply Chain Management Center (BSCMC) is a new industry forum seeking the participation, engagement, and sponsorship of interested industry partners and supply chain organizations to support student professional development, curriculum development, research collaboration, professional SCM forums, and SCM executive continuing education. An advisory board (consisting of a subset of the Bauer SCM Center membership) will be established to initially guide the development and strategic direction for the BSCMC. With strong industry support for the BSCMC, we expect Bauer to be recognized as a TOP 10 US supply chain program by the end of 2015.

Gutierrez Energy Management Institute (GEMI)

The Gutierrez Energy Management Institute (UH-GEMI) is a world renowned center of learning committed to preparing the energy industry workers of today while exploring the issues important to its future. The Institute uses multi-disciplinary approach to address the comprehensive needs of the energy industry. UHGEMI was established at a time when the energy industry was facing a crisis of confidence, but the creation of the Institute was more than a response to Enron, the California situation of other difficulties of the recent past. It is intended to help the industry to provide a neutral forum that will assist the industry in developing long-term solutions to present and future problems. To achieve this mission, GEMI focuses on three centers of excellences: Education (especially through our Certificate Programs), Community Learning, and Outreach Programs (through many public events).

Stagner Sales Excellence Institute (SSEI)

The Stagner Sales Excellence Institute (SEI) strives to be the leading global center for sales research and education. SSEI's research mission is to uncover the drivers of superior sales force performance, provide information to sales managers about state-of-the-art methods for



creating and sustaining competitive advantage in the sales force, and be thought leaders in the academic domain SSEI's educational mission, pursued through the undergraduate Program for Excellence in Selling, the graduate program in Sales Leadership, and executive education, is to provide educational tools to enhance the productivity of salespeople and sales managers from the very beginning of their careers.

International Institute for Diversity and Cross-Cultural Management

The International Institute for Diversity and Cross-Cultural Management operates as the research and development arm of the Center for Executive Development in the Bauer College. The institute was created to address changes in the world marketplace, changes in the current and future demographics of the labor market, individual differences in the work force, and the increasing globalization of business.

Institute for Health Care Marketing

The Institute for Health Care Marketing produces academic studies for journals and technical reports for health-care providers. Its focus is on advising the marketers of health care, particularly preventive care, on how to be more effective in Energy Market Research.

University of Houston Small Business Development Center (SBDC)

The University of Houston Small Business Development Center Network (SBDC) helps small- and medium-sized businesses start, grow and succeed through free business consulting, affordable training seminars and specialty programs. Experienced consultants offer advice and act as sounding boards to help work through management, marketing, finance and operational business issues. UH SBDC instructors share their real-world, practical business experience with clients in state-of-the-art classrooms and computer labs. Special programs and services include Direct Business Assistance, International Trade Center, SBA Prequalification Loan Program, Procurement Technical Assistance Center (also known as Texas Information Procurement Service), Technology Program and Comprehensive Business Research Library. For more information, call (713) 752-8444 or visit the Small Business Development Center website.

Wolff Center for Entrepreneurship (WCE)

The mission of the Wolff Center for Entrepreneurship (WCE) is to organize and expand the knowledge and practice of entrepreneurship. The center also seeks to enhance the standing of the University of Houston's Bauer College of Business by providing programs which will make the college the nation's leader in entrepreneurial education.



Institute and Center Directors

Director, AIM Center for Investment Management

Thomas J. George, Ph.D., University of Michigan

Department Chair, Cyvia and Melvyn Wolff Center for Entrepreneurship:

Edward Blair, Ph.D., University of Illinois

President, Decision Sciences Institute

Funda Sahin, Ph.D., Texas A&M University

Executive Director, Gutierrez Energy Management Institute:

Praveen Kumar, Ph.D., Stanford University

Director, Institute for Health Care Marketing:

Partha Krishnamurthy, Ph.D., Pennsylvania State University

Director, Institute for Regional Forecasting

Robert W. (Bill) Gilmer, Ph.D., University of Texas at Austin

Director, Small Business Development Center:

Mike Young, J.D., University of Houston

Director, Stanford Alexander Center for Excellence in Real Estate

Vacant

Executive Director, Stephen Stagner Sales Excellence Institute

Randy Webb, MBA, University of Houston



Graduate Faculty Emeriti

Frank M. Allen. Professor Emeritus of Accountancy and Taxation. B.B.A., M.B.A., J.D., University of Texas at Austin.

Keith Cox. Professor Emeritus of Marketing. B.B.A., M.B.A., Ph.D., University of Texas at Austin.

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Bette Ann Stead. Professor Emerita of Marketing. B.B.A., Lamar University; M.B.A., University of Texas at Austin; Ed.D., University of Houston.

Andrew (Skip) Szilagyi. Professor Emeritus of Management. BSChemE, MBA, PhD Indiana University.



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John Karonika. Clinical Professor of Marketing and Entrepreneurship. B.S., M.B.A., University of Houston; Ph.D., Texas A&M University.

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Department of Decision and Information Sciences Faculty

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Michael S. Parks. Associate Professor of Decision and Information Sciences. B.S., M.B.A., Auburn University; Ph.D., University of Georgia.

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Jaana Porra. Associate Professor of Decision and Information Sciences. M.B.A., Ph.D., University of Jyväskylä, Finland.

Suryanaryan Radhakrishnan. Clinical Assistant Professor of Decision and Information Sciences. B.E., Osmania University; M.S., Oklahoma State University; Ph.D., University of Houston.

E. Powell Robinson. Professor of Decision and Information Sciences. B.A., M.B.A., Ph.D., University of Texas at Austin.



Richard W. Scamell. Professor of Decision and Information Sciences. B.A., M.B.A., Ph.D., University of Texas at Austin.

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Funda Sahin. Associate Professor of Decision and Information Sciences. B.B.A., Marmara University, M.B.A., Ph.D., Texas A&M University.

Leiser Silva. Associate Professor of Decision and Information Sciences. B.A., Universidad Francisco Marroquin/University del Valle de Guatemala; M.S., Ph.D., London School of Economics and Political Science.

Gordon Smith. Clinical Assistant Professor of Decision and Information Sciences. B.S., University of Connecticut; M.S., Ph.D., Pennsylvania State University.

Staci Smith. Clinical Assistant Professor of Decision and Information Sciences. B.A., Rice University; Ph.D., University of Houston.

Dale Tibodeau. Clinical Assistant Professor of Decision and Information Sciences and Director, Bauer Supply Chain Center. B.S., M.S., Texas A&M University; M.S., D.Eng., Southern Methodist University.

David Van Over. Clinical Assistant Professor of Decision and Information Sciences. B.A., M.B.A., Ph.D., University of Houston.

Victor B. Wayhan. Clinical Assistant Professor of Decision and Information Sciences. B.B.A., Bowling Green State University; M.B.A, Radford University; Ph.D., University of Houston.

Wayne Winston. Visiting Professor of Decision and Information Sciences. B.S., Massachusetts Institute of Technology; Ph.D., Yale University.

Ming Zhao. Assistant Professor of Decision and Information Sciences, B.S., Zhejiang University; M.S., Ph.D., State University of New York at Buffalo.



Department of Finance Faculty

Swati Basu. Professor of Practice. B.A., Calcutta University; M.A., Tufts University, Ph.D., University of Pittsburgh.

Hitesh Doshi. Assistant Professor of Finance. B.S., L.D. College of Engineering; M.S., University of Houston; Ph.D., McGill University.

Antonio Gargano. Assistant Professor of Finance. Ph.D. (Visiting), University of California San Diego; Ph.D. Finance, Bocconi University, Italy; M.Sc. Finance, University of Pisa, Italy; B.A. Philosophy, University of Naples Federico II, Italy

Thomas J. George. Bauer Professor of Finance and Director, AIM Center for Investment Management. B.S.B.A., Duquesne University; Ph.D., University of Michigan.

Kris Jacobs. Bauer Professor of Finance and Co-Coordinator of Finance Doctoral Program. B.A., Katholieke Universteit Leuven; M.A., Ph.D., University of Pittsburgh.

Nicholas Kapatos. Professor of Practice. B.A., University of Rochester; M.B.A., University of Rochester

Praveen Kumar. Cullen Distinguished Chair and Professor of Finance, Senior Associate Dean for Faculty Affairs, Department Chair, and Faculty Director, Gutierrez Energy Management Institute. A.B., M. P.A., Princeton University; Ph.D., Stanford University.

Alexander Lara. Professor of Practice. Bachelor of Science - Business Administration Universidad Internacional De Mexico;
Master of Business Administration (MIBA)- International Business US International University

John Lopez. Executive Professor of Finance. B.B.A, University of Houston; M.B.A, Texas A&M University.

Paola Pederzoli. Assistant Professor of Finance. Bachelor in Mathematics, University of Pavia, Italy; Master in Mathematics, University of Pavia, Italy; Master in Finance, Collegio Carlo Alberto, Italy; Ph.D in Finance, Swiss Finance Institute - University of Geneva

Natalia Piqueira. Clinical Assistant Professor of Finance. B.A., University of Sao Paolo; Ph.D., Princeton University..

Craig Pirrong. Professor of Finance and Director of Energy Markets. B.A., M.B.A., and Ph.D., University of Chicago.

Paul Povel. Duncan Professor of Finance. Lic. Rer. Pol., University of Basel; Ph.D., London School of Economics.

Ramon Rabinovitch. Professor of Finance and Co-Director of the M.S. Finance Program. B.A., Hebrew University-Jerusalem; M.B.A., City University of New York, Bernard M. Baruch College; Ph.D., New York University.

Keith Richards. Professor of Practice. BA International Studies concentrations in Business and Spanish, Texas A&M University; MBA, concentration in Real Estate, Bauer College of Business, University of Houston

Kevin Roshak. Assistant Professor of Finance, B.S., B.A., Ohio State University; Ph.D., Northwest University.

Raul Susmel. Associate Professor of Finance and Co-Coordinator of Finance Doctoral Program. Lic., Universidad de Buenos Aires; Ph.D., University of California, San Diego.

Rajkamal Vasu. Assistant Professor of Finance. B.Tech.: Electrical Engineering, Indian Institute of Technology; MBA Finance, Indian Institute of Management; M.S. Finance, Northwestern University; Ph.D., Finance, Kellogg School of Management, Northwestern University

Guojun Wu. Professor of Finance. B.S., Shanghai Kiaotong University; M.A., Ohio University; Ph.D., Stanford University.

Vijay Yerramilli. Associate Professor of Finance and Co-Director of the M.S. Finance Program B.Tech., Indian Institute of Technology; M.B.A., Indian Institute of Management; Ph.D., University of Minnesota.



Department of Management and Leadership Faculty

Je'Anna Abbott. Spec's Charitable Foundation Professor in Social Responsibility. B.A., Austin College; M.S., Texas A&M University; M.B.A., University of Chicago; M.H.M.,J.D., L.L.M., Ph.D., University of Houston.

Leanne Atwater. C.T. Bauer Professor of Management and Leadership. B.A., M.A., San Diego State University; Ph.D., Claremont Graduate School.

Derek R. Avery. C.T. Bauer Chair of Inclusive Leadership. B.A., Tulane University; M.A., Ph.D., Rice University.

Dennis P. Bozeman. Associate Professor of Management and Leadership. B.S., M.S., Ph.D., Florida State University.

Barbara Carlin. Instructional Associate Professor of Management and Leadership and Director of Inclusive Leadership Initiatives. B.A., University of Arizona; M.S.I.S., University of Pittsburgh; Ph.D., University of Texas at Austin.

Shih-chi (Sana) Chiu. Assistant Professor of Management and Leadership. M.A., Michigan State University; Ph.D., University of Missouri-Columbia.

Nikhil Celly. Instructional Assistant Professor of Management and Leadership and Director of Global Initiatives. B.E., University of Delhi; M.S. University of Rochester; Ph.D., University of Western Ontario.

Daniel Currie. Senior Professor of Practice of Management and Leadership. M.B.A., University of Houston; J.D., University of Western Ontario.

Robert Eisenberger. Professor of Psychology and Professor of Management and Leadership. B.A., UCLA; Ph.D., University of California - Riverside.

Robert T. Keller. Baker-Hughes Professor of Business Administration and Professor of Management and Leadership. B.S., University of Illinois (Urbana); M.B.A., State University of New York at Buffalo; Ph.D., Pennsylvania State University.

Teri Elkins Longacre. Associate Professor of Management and Vice Provost and Dean, Undergraduate Student Success. B.A., Baylor University, J.D., Ph.D., University of Houston.

Juan M. Madera. Professor of Hotel and Restaurant Management and Professor of Management and Leadership. B.A., California State University- Dominguez Hills; M.A., Ph.D., Rice University.

Omar, Matuk-Villazon. Clinical Assistant Professor of Medicine and Clinical Assistant Professor of Management and Leadership. M.B.A., Rice University; M.D., Universidad Nacional Autonoma de Mexico.

C. Chet Miller. C.T. Bauer Professor of Organizational Studies and Professor of Management and Leadership. B.A., Ph.D., University of Texas at Austin.

Ksenia Krylova Mohebbi. Instructional Assistant Professor of Management and Leadership and Director of M.S. in Management and Leadership Program. B.A., Mari State University; L.L.M. Ph.D., University of Houston.

James S. Phillips. Professor of Management and Leadership. B.A., M.A., Ph.D., University of Akron.

Dale E. Rude. Associate Professor of Management and Leadership. B.S., M.S., Iowa State University; Ph.D., University of Iowa.

Marina Sebastijanovic. Instructional Assistant Professor of Management and Leadership and Director of Professional MBA Programs. B.A., M.B.A., McNeese State University; Ph.D., University of Houston.



Dusya Vera. Professor of Management and Leadership. B.S., Polytechnic University; M.B.A., University of Pittsburgh; Ph.D., University of Western Ontario.

William Walker. Professor of Practice of Management and Leadership. B.A., North Park College; M.B.A., Ph.D., University of Houston.

Steve Werner. JP Morgan Chase Professor of International Business and Department Chair. B.A., M.B.A., San Jose State University; Ph.D., University of Florida.

C. Wesley. Assistant Professor of Management and Leadership. B.S., United States Naval Academy; MBA, University of Maryland; Ph.D., Texas A & M University.

L. Alan Witt. Professor of Public Affairs and Professor of Management and Leadership. B.S., Tulane University; M.S., Illinois Institute of Technology; Ph.D., Tulane University.



Education

Departments and Programs

Programs

- Special Populations, MEd - Dual Degree with BS in HDFS

Department of Curriculum and Instruction

Programs

- All-Level Art Initial Certificate
- Bilingual Education Endorsement
- Curriculum and Instruction, MEd - Specialization in Art Education
- Curriculum and Instruction, MEd - Specialization in Bilingual Education
- Curriculum and Instruction, MEd - Specialization in Early Childhood Education
- Curriculum and Instruction, MEd - Specialization in Educational Administration and Supervision
- Curriculum and Instruction, MEd - Specialization in Elementary Education
- Curriculum and Instruction, MEd - Specialization in Gifted and Talented Education
- Curriculum and Instruction, MEd - Specialization in Health Science Education
- Curriculum and Instruction, MEd - Specialization in Learning, Design and Technology
- Curriculum and Instruction, MEd - Specialization in Mathematics Education
- Curriculum and Instruction, MEd - Specialization in Reading and Language Arts Education
- Curriculum and Instruction, MEd - Specialization in Science Education
- Curriculum and Instruction, MEd - Specialization in Second Language Education
- Curriculum and Instruction, MEd - Specialization in Secondary Education
- Curriculum and Instruction, MEd - Specialization in Social Studies Education
- Curriculum and Instruction, MEd - Specialization in STEM Education
- Curriculum and Instruction, MEd - Specialization in Teaching
- Curriculum and Instruction, MEd - with Specializations
- Curriculum and Instruction, PhD
- Designing and Developing Educational Graphics Certificate
- Designing and Developing Educational Multimedia Certificate
- Elementary Initial Certificate
- Elementary Professional Certificate
- English as a Second Language Endorsement
- Generic Special Education Initial Certificate
- Initial Teaching Certificate
- Innovative Technologies in Health Science Education, Certificate
- Master Mathematics Teacher Professional Certificate
- Master Reading Teacher Professional Certificate
- Master Technology Teacher Professional Certificate
- Museum Education Certificate
- Online Teaching and Learning Certificate
- Professional Leadership - Health Science Education, EdD



- Professional Leadership - Literacy Education, EdD
- Professional Leadership - Mathematics Education, EdD
- Professional Leadership - Social Studies/Social Education, EdD
- Reading Specialist Professional Certificate
- Secondary Initial Certificate
- Secondary Professional Certificate
- Severe/Profound Handicaps Endorsement
- Severely Emotionally Disturbed and Autistic Endorsement
- Severely Handicapped Education Certificate
- Special Education Counselor Professional Certificate
- Teaching Professional Certificate
- Texas Standard Principal Professional Certificate

Department of Psychological, Health, and Learning Sciences

Programs

- Counseling Psychology, PhD
- Counseling, MEd
- Educational Diagnostician Professional Certificate
- Measurement, Quantitative Methods, and Learning Sciences, PhD
- School Counselor Professional Certificate
- School Psychology, PhD

Department of Educational Leadership and Policy Studies

Programs

- Administration and Supervision, MEd
- Disability Support, Certificate
- Higher Education Leadership and Policy Studies, PhD
- Higher Education, MEd
- Professional Leadership - K-12, EdD
- Professional Leadership - Special Populations, EdD
- Special Populations, MEd

Programs

Special Populations, MEd - Dual Degree with BS in HDFFS



About the College of Education

Office of the Dean

(713) 743-5001
214 Farish Hall

Office of Institutional Effectiveness and Outreach

(713) 743-9832
214 Farish Hall

Office of Graduate Studies

(713) 743-7676
256 Farish Hall

Department of Curriculum and Instruction

(713) 743-4950
236 Farish Hall

Department of Psychological, Health, and Learning Sciences

(713) 743-9830
491 Farish Hall

Department of Educational Leadership and Policy Studies

(713) 743-5030
112 Farish Hall

Dean:

Robert H. McPherson, Ph.D., University of Houston.

Associate Dean for Undergraduate Studies:

Jonathan Schwartz, Ph.D., New Mexico State University (Interim).

Associate Dean for Graduate Studies:



Jonathan Schwartz, Ph.D., New Mexico State University.

Associate Dean for Research:

Ezemenari M. Obasi, Ph.D. Ohio State University (Interim).

College Business Administrator:

Paul Roch, M.B.A., University of Houston.

Degree Requirements and Regulations

The College of Education has a broad mission; the key feature is the preparation of professionals who develop the full human potential of the people they serve in schools and a wide variety of non-school settings by:

- Preparing professional individuals to conduct research and provide services and education in the health sciences;
- Educating practitioners for roles in teaching, counseling, psychology, administration and applied practice;
- Advancing the knowledge and skills of experienced practitioners;
- Advancing conceptual and methodological knowledge to conduct research;
- Advancing knowledge through scholarly investigation; and
- Leading and serving the organizations that benefit the communities of practice and academic study.

The College offers a range of graduate programs. The Departments of Curriculum and Instruction, Psychological, Health, and Learning Sciences, and Educational Leadership and Policy Studies all offer programs that award the Master of Education (M.Ed.). The Department of Curriculum and Instruction, Psychology, Health, and Learning Sciences, and Educational Leadership and Policy Studies all offer programs that award a Doctor of Education (Ed.D.), and/or Doctor of Philosophy (Ph.D.) degrees. The Department of Curriculum and Instruction offers professional certificates. Each department lists the specific requirements to these programs.

Accreditation and Memberships

College of Education Accreditations:

- National Council for Accreditation of Teacher Education (NCATE/CAPE)
- American Psychological Association
- The Texas State Board for Educator Certification (SBEC)



Admission Requirements: College of Education

Graduate Status

Admission to all graduate programs in the College of Education is selective and often very competitive. Simply meeting the minimal criteria does not ensure admission. Admission to one of the College's masters or doctoral degree programs requires the completion of the application requirements outlined by the Program, the Department, and the College.

Admission to graduate programs at the University of Houston requires a 2.6 cumulative undergraduate Grade Point Average (GPA) or over the last 60 credit hours of coursework. Applicants who do not meet this requirement should address, in their goal statement, the reasons for their undergraduate degree performance and discuss other academic indicators that provide supportive evidence of their potential to meet the demands of rigorous study at the graduate level.

All College of Education departments and programs have additional admission requirements, which may include letters of reference, resume, statement of interest, or a personal interview. Deadlines for submission of application materials vary by specific program. For more information, consult the appropriate academic program.

Professional Certificates

Individuals with a bachelor's or master's degree who wish to receive a professional certificate can apply. To apply for a professional certificate, individuals must complete an application for admission and submit all required supplemental materials.

Students who later decide to apply for admission to a graduate degree program must complete an application for admission and submit all supplemental materials. Students may apply six (6) graduate credit hours taken toward a degree. The six (6) graduate credit hours must be approved by the faculty advisor, and must be applicable to that degree.



College of Education

Departments and Programs

College of Education

Departments and Programs

Programs

- Special Populations, MEd - Dual Degree with BS in HDFS

Department of Curriculum and Instruction

Programs

- All-Level Art Initial Certificate
- Bilingual Education Endorsement
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- Curriculum and Instruction, MEd - Specialization in Bilingual Education
- Curriculum and Instruction, MEd - Specialization in Early Childhood Education
- Curriculum and Instruction, MEd - Specialization in Educational Administration and Supervision
- Curriculum and Instruction, MEd - Specialization in Elementary Education
- Curriculum and Instruction, MEd - Specialization in Gifted and Talented Education
- Curriculum and Instruction, MEd - Specialization in Health Science Education
- Curriculum and Instruction, MEd - Specialization in Learning, Design and Technology
- Curriculum and Instruction, MEd - Specialization in Mathematics Education
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- Master Mathematics Teacher Professional Certificate



- Master Reading Teacher Professional Certificate
- Master Technology Teacher Professional Certificate
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- Severely Emotionally Disturbed and Autistic Endorsement
- Severely Handicapped Education Certificate
- Special Education Counselor Professional Certificate
- Teaching Professional Certificate
- Texas Standard Principal Professional Certificate

Department of Psychological, Health, and Learning Sciences

Programs

- Counseling Psychology, PhD
- Counseling, MEd
- Educational Diagnostician Professional Certificate
- Measurement, Quantitative Methods, and Learning Sciences, PhD
- School Counselor Professional Certificate
- School Psychology, PhD

Department of Educational Leadership and Policy Studies

Programs

- Administration and Supervision, MEd
- Disability Support, Certificate
- Higher Education Leadership and Policy Studies, PhD
- Higher Education, MEd
- Professional Leadership - K-12, EdD
- Professional Leadership - Special Populations, EdD
- Special Populations, MEd

Special Populations, MEd - Dual Degree with BS in HDFS

The Special Populations Dual Degree Master's Program prepares professionals for the high-needs field of Disability Support. Graduates find abundant opportunities for challenging and rewarding careers in supporting individuals with disabilities across the lifespan. Graduates learn



skills needed to address complex and emerging disability related needs for individuals of all ages. There is an increased need in both the public and private sectors for specialists in Disability Support to develop, implement, and evaluate programs and policies for improved supports for individuals with disabilities.

This program is for students who have completed the Bachelor of Science in Human Development & Family Studies (BSHDFS) portion of BSHDFS and Master of Education in Special Populations Dual Degree Program at the University of Houston.

For additional information, visit: <https://uh.edu/education/degree-programs/spec-ed-med/>.

Admission Requirements

The College of Education takes into consideration a number of criteria when determining admission, including prior college or university performance, letters of recommendation, standardized test scores (if applicable), and statement of intent. All applicants must abide by the minimum qualifications for admissions to a master's or doctoral program. All graduate applicants (regardless of citizenship status) must demonstrate proficiency in English to obtain admission to the University. For more information, visit <https://uh.edu/graduate-school/international-students/english-proficiency/>.

An applicant is responsible for ensuring that all required materials for the evaluation of admissions are received by the College before the program's deadline. If the application is not complete by the program's deadline, it will not be evaluated for admissions. Full details of the online application process can be found at <https://uh.edu/graduate-school/admissions/how-to-apply/>.

Applicant checklist:

Complete online graduate application including:
statement of interest,
resume/CV,
letters of recommendation,
and application fee payment.

Additional details are outlined on the ELPS Admission page: <https://uh.edu/education/departments/elps/admissions/>.

Official transcripts from all previous college/university work sent to the UH Graduate School.

International students have additional documentation requirements, which can be found at <https://uh.edu/graduate-school/international-students/>.

Grade Point Average Requirements

Admission requirements for this program require a minimum cumulative grade point average (GPA) of 3.0 for undergraduate coursework or over the last 60 credit hours of coursework. The College requires a minimum cumulative grade point average (GPA) of 3.0 for graduate coursework. The College's admission committees evaluate all credentials submitted by applicants to determine a student's ability and potential to succeed in graduate study. In addition, the committee is interested in the applicant's potential to contribute to their program of study and the University community as a whole.

For the ELPS Admissions website, visit: <https://uh.edu/education/departments/elps/admissions/>.

Degree Requirements

Credit hours required for this degree: 30.0



The curriculum for the MEd in Special Populations Program involves the completion of specific coursework. The M.Ed. degree program requires 18 hours of core special populations courses and an additional 12 hours of specialization electives. The specialization elective courses are chosen to reflect the career interests of the student. Students choose one of three (3) specializations based on whether they want to serve individuals with disabilities directly (Initial EC-12 Special Education Certification), provide formative and summative evaluations that support evidence-based program design (Assessment), or lead others who provide support (Organization/Management/Leadership).

Core/Special Populations Courses

18 Credit Hours

SPEC 6327 - Introduction to Educational and Psychological Measurement **Credit Hours: 3.00**

SPEC 6340 - Learning and Education Sciences **Credit Hours: 3**

SPEC 6362 - Behavior: Evidence-Based Decisions **Credit Hours: 3.00**

SPEC 6365 - Data-Based Individualization of Instruction **Credit Hours: 3.00**

SPEC 7343 - Psychological Processes of Reading **Credit Hours: 3**

SPEC 7391 - Collaborative Consultation and Coaching **Credit Hours: 3**

Interpersonal Skills Elective (choose from approved list; the approved lists of electives is maintained on the Special Populations website at: <https://uh.edu/education/degree-programs/spec-ed-med/>).

Specialization Electives

12 Credit Hours

Initial EC-12 Special Education Certification

Reading Elective (choose from approved list; the approved lists of electives is maintained on the Special Populations website at: <https://uh.edu/education/degree-programs/spec-ed-med/>).

CUIN 6301 - The Teaching Profession **Credit Hours: 3.0**

SPEC 6395 - Clinical Teaching I **Credit Hours: 3**

SPEC 6396 - Clinical Teaching II **Credit Hours: 3**

Organization/Management/Leadership

ELCS 6310 - Strategic Engagement of School/Community Stakeholders **Credit Hours: 3.0**

ELCS 6332 - Student Develop/Student Affair **Credit Hours: 3.0**

ELCS 6336 - The Two-Year College **Credit Hours: 3.0**

SPEC 8341 - Seminar in Learning Science **Credit Hours: 3 OR**

ELCS 8341 - Adult Learning Theory **Credit Hours: 3**

Assessment

ELCS 6302 - Data-Informed Decision Making for School Leaders **Credit Hours: 3**

ELCS 6334 - Assessment & Evaluation in Higher Education **Credit Hours: 3.0**

SPEC 7341 - Assessment of Learning Difficulties **Credit Hours: 3**

SPEC 7342 - Formative Assessment **Credit Hours: 3**



Comprehensive Exam

Students in the MEd in Special Populations Program may elect to complete either a written Comprehensive Examination or take and pass the relevant TExES Examination as part of a capstone to the program.

Comprehensive Exam

The Department of Educational Leadership and Policy Studies regularly schedules written exams that test a student's comprehensive knowledge of the Special Populations Program area. Students have the option of taking a traditional written comprehensive examination. Students seeking certification may take the appropriate TExES Certification exam in lieu of the traditional written comprehensive examination. Students should apply for the exam in the last two semesters of their program through MyAdvisor. All students in the MEd in Special Populations program must successfully complete the Master's Comprehensive Examination.

Academic Policies

University of Houston Academic Policies
College of Education Academic Policies
Department of Educational Leadership and Policy Studies

Certification

Seeking a Master's degree and certification are two separate but related endeavors; each has its own requirements and resources. Certification plans detail the coursework and requirements you'll need to be eligible to be recommended for a Texas Educator Certificate through the State Board for Educator Certification (SBEC). We have designed our graduate degree plans to align closely with the coursework listed on the certification plans; however, it is important to remember that you are really completing both sets of requirements concurrently. Please refer to the Student Handbook (<https://uh.edu/education/degree-programs/spec-ed-med/med-handbook-fall201.pdf>) and the COE Certification web page (<https://uh.edu/education/student-services/certifications/index>) for additional information.

Department of Curriculum and Instruction

Chair: Dr. Jennifer Chauvot

The Department of Curriculum and Instruction prepares teachers and other educators to meet the special demands of educational, health, cultural, and other human service settings. The Department of Curriculum and Instruction offers a variety of graduate degrees as well as course work for teacher certification. The Department offers a PhD in Curriculum & Instruction, a 51-hour EdD in Professional Leadership, a 30-hour MEd in Curriculum & Instruction, and a 36-hour MEd in Curriculum & Instruction.

Full-time faculty members teach and conduct research in a broad range of subject areas including art education, early childhood education, health science education, learning, design & technology, mathematics education, reading, language arts, and literature education, science education, social studies/social education, and teaching and teacher education.

Academic Programs

Master of Education (MEd) in Curriculum and Instruction



The 30-hour Masters in Education program offers a variety of specializations to meet the needs of all educators. The program produces graduates that are well versed in current research and theories regarding their disciplines. The program prepares graduates for leadership positions in schools, community organizations, museums, and related educational institutions as well as to become curriculum specialists, instructional leaders, master teachers, community college professors, and instructional designers. Flexibility in the program allows students with demanding schedules the ability to pursue a graduate degree. By offering online and hybrid courses as well as some online degree programs, students are able to successfully complete our degree program. Most recently, US News and World Report ranked our online graduate program the #1 online education graduate program in the nation.

This 30-hour degree program offers the following areas of specialization:

- Art Education
- Early Childhood Education
- Health Science Education
- Learning, Design and Technology
- Mathematics Education
- Reading and Language Arts Education
- Science Education
- Social/Social Studies Education
- Teaching and Teacher Education

The 36-hour dual credit Masters in Education program offers mathematics and social studies educators the opportunity to become both content and curriculum specialists in their given field. This program prepares educators to become high school dual credit course teachers or instructors at community and some other colleges. For college-level academic dual credit courses, the Southern Association of Colleges and Schools (SACS) requires that instructors have a master's degree or doctoral degree with 18 graduate hours in the discipline being taught. To meet the needs of students, the college offers the mathematics specialization entirely online and the social studies specialization through a variety of online, hybrid, and face-to-face courses.

This 36-hour degree program offers the following areas of specialization:

- Mathematics Education
- Social Studies/Social Education

The 36-hour Masters in Education program with initial certification offers a demanding curriculum where graduate coursework in Curriculum and Instruction and certification coursework overlap. This program is for individuals who are seeking the MEd and intend to pursue teaching in K-12 public schools in Texas.

This 36-hour Masters in Education with initial certification program offers the following areas of specialization/certifications:

- EC-6 Generalist
- EC-6 Bilingual Generalist
- EC-12 Special Education
- 4-8 Language Arts
- 4-8 Mathematics
- 4-8 Science
- 4-8 Social Studies
- 7-12 English
- 7-12 Mathematics
- 7-12 Science
- 7-12 Social Studies

Doctorate of Education (EdD) in Professional Leadership



The Doctorate of Education in Professional Leadership is a 51-hour doctoral program providing research and applied skills for educators grappling with current issues in education in urban contexts. The program is designed to facilitate the knowledge, skills, and dispositions needed for professional and instructional leadership in urban schools, community organizations, museums and related educational institutions. Designed as a cohort model with online, hybrid, and flipped courses.

This degree program has the following area of specialization:

- Health Science Education
- Reading (Literacy)
- Social Studies/Social Education
- Mathematics Education

Doctor of Philosophy (PhD) in Curriculum and Instruction

The Curriculum and Instruction, PhD (with an emphasis on urban education and a specialization in a chosen program area) is a 66-hour doctoral program that establishes a link between research and practice, providing opportunities to investigate curriculum, instruction, assessment, and social justice issues within an urban education context. PhD students engage in rigorous research, quality teaching, and contextual service to enhance education, curriculum and instruction, and community connections. The program area, core, and research courses, in addition to the dissertation process and other experiential opportunities, prepare students for positions in higher education or other related areas that expect continued examination of research and practice in urban environments.

This degree program has the following area of specialization:

- Art Education
- Learning, Design & Technology
- Early Childhood Education
- Mathematics Education
- Reading, Language Arts, and Literacy Education
- Science Education
- Social Studies/Social Education
- Teaching/Teacher Education

All-Level Art Initial Certificate

Initial Teaching Certificate

The College of Education offers initial teacher certification programs for students who have bachelor's degrees in all undergraduate fields of specialization. See the list of elementary, secondary, and all-level initial certificates in the Undergraduate Studies catalog.

Students who have completed a bachelor's degree and who desire initial certification should apply for a deficiency plan. Selected courses that are required for initial certification may, with the approval of a graduate advisor, be applied toward a master's degree program. Consult the Teacher Education and Certification Office, 112 Farish Hall, (713) 743-5000, for information and assistance in selecting the appropriate deficiency plan program. Students requiring a deficiency plan may obtain an application from the Teacher Education and Certification Office.

The initial certification requirements are similar to those listed in the Undergraduate Studies catalog. In lieu of the student teaching requirement, students may qualify for an internship program or substitute two years of full-time teaching experience in a school accredited by the State Board for Educator Certification, at the level(s) for which they seek certification, and six semester hours of approved education courses.

Students entering teacher preparation programs after May 1, 1984, are required by state of Texas regulations to have passed the Texas Academic Skills Program prior to being admitted to teacher education. All required sections of this test must be passed before being



admitted to the program. Admission criteria are listed in the Undergraduate Studies catalog and are prerequisite to taking the required professional development courses. For specific information about this test, students should call University Testing Services, (713) 743-5444. Graduates of teacher education programs after May 1, 1986, are required by state of Texas regulations to take the Examination for the Certification of Educators in Texas upon completion of the program.

Students who plan to pursue a teaching certification program should consult the Teacher Education and Certification Office, 112 Farish Hall, for information about admission requirements and course requirements. Full admission to the Teacher Education program is a prerequisite to enrollment in the beginning certification courses.

All teacher certification transactions, including professional certificates and endorsements, are made through the College of Education. Inquiries should be directed to the Teacher Education and Certification Office, or the appropriate department, University of Houston, Houston, Texas 77204- 5871.

Bilingual Education Endorsement

Curriculum and Instruction, MEd - Specialization in Art Education

Master of Education: College of Education

Degree Requirements

The following represents minimal expectations for the completion of a master's degree in the College of Education. Each department establishes specific degree requirements for its major areas. For more information, students should consult the department or program of their choice.

A Master's degree in the College of Education requires a minimum of 30 graduate credit hours; however, some program areas require additional credit hours.

A degree plan is required; students must complete a degree plan in MyAdvisor.

The master level courses numbered at the 6000- and 7000-levels.

The College of Education requires approval by a faculty advisor for all courses outside the college bearing numbers lower than 6000 for a degree program. College of Education courses numbered lower than 6000 cannot apply toward a graduate degree.

Students must earn all term credit hours, including thesis, within the five years prior to graduation.

The College of Education accepts a maximum of nine term credit hours of transfer credit from an accredited university, with the approval of a faculty advisor and the college's Associate Dean of Graduate Studies.

Transfer students must complete at least 24 graduate credit hours at the University of Houston (after admission to the graduate program). Of these hours, no less than 18 graduate credit hours must be in courses numbered 6000 or above.

All transfer and subsequent work require a minimum 3.00 grade point average (A=4.00). Grades lower than a C does not count for graduate credit.

A graduate student receiving a grade of C+ or lower in 12 term hours of credit at the University of Houston, whether or not in repeated courses, is ineligible for any advanced degree and cannot re-enroll for graduate study.

Students use MyAdvisor to reflect benchmark requirements for degree completion; a degree plan requires approval by a faculty advisor, the program coordinator, the department chair, and the Dean prior to completing 18 semester hours of credit.

Department Requirements



All students in the CUIN Masters of Education program must take nine (9) graduate credit hours of common core (Professional Seminars I and II and Capstone).

-- Students satisfactorily complete a Capstone project during their final term of course work.

All students in the EPLS Department for the MEd in Administration and Supervision and EdD in Professional Leadership are required to complete TEXES Certification (Principal or Superintendent) in lieu of a comprehensive exam.

Graduation Requirements

Complete all applicable graduate coursework and benchmarks prior to proposed graduation. Students should file an application for graduation in MyUH early in the final term of their degree. The university's Academic Calendar lists the application filing deadlines per term. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.

Curriculum and Instruction, MEd - Specialization in Bilingual Education

Master of Education: College of Education

Degree Requirements

The following represents minimal expectations for the completion of a master's degree in the College of Education. Each department establishes specific degree requirements for its major areas. For more information, students should consult the department or program of their choice.

A Master's degree in the College of Education requires a minimum of 30 graduate credit hours; however, some program areas require additional credit hours.

A degree plan is required; students must complete a degree plan in MyAdvisor.

The master level courses numbered at the 6000- and 7000-levels.

The College of Education requires approval by a faculty advisor for all courses outside the college bearing numbers lower than 6000 for a degree program. College of Education courses numbered lower than 6000 cannot apply toward a graduate degree.

Students must earn all term credit hours, including thesis, within the five years prior to graduation.

The College of Education accepts a maximum of nine term credit hours of transfer credit from an accredited university, with the approval of a faculty advisor and the college's Associate Dean of Graduate Studies.

Transfer students must complete at least 24 graduate credit hours at the University of Houston (after admission to the graduate program). Of these hours, no less than 18 graduate credit hours must be in courses numbered 6000 or above.

All transfer and subsequent work require a minimum 3.00 grade point average (A=4.00). Grades lower than a C does not count for graduate credit.

A graduate student receiving a grade of C+ or lower in 12 term hours of credit at the University of Houston, whether or not in repeated courses, is ineligible for any advanced degree and cannot re-enroll for graduate study.

Students use MyAdvisor to reflect benchmark requirements for degree completion; a degree plan requires approval by a faculty advisor, the program coordinator, the department chair, and the Dean prior to completing 18 semester hours of credit.

Department Requirements

All students in the CUIN Masters of Education program must take nine (9) graduate credit hours of common core (Professional Seminars I and II and Capstone).

-- Students satisfactorily complete a Capstone project during their final term of course work.



All students in the EPLS Department for the MEd in Administration and Supervision and EdD in Professional Leadership are required to complete TEXES Certification (Principal or Superintendent) in lieu of a comprehensive exam.

Graduation Requirements

Complete all applicable graduate coursework and benchmarks prior to proposed graduation. Students should file an application for graduation in MyUH early in the final term of their degree. The university's Academic Calendar lists the application filing deadlines per term. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.

Curriculum and Instruction, MEd - Spec in Early Childhood Education

Master of Education: College of Education

Degree Requirements

The following represents minimal expectations for the completion of a master's degree in the College of Education. Each department establishes specific degree requirements for its major areas. For more information, students should consult the department or program of their choice.

A Master's degree in the College of Education requires a minimum of 30 graduate credit hours; however, some program areas require additional credit hours.

A degree plan is required; students must complete a degree plan in MyAdvisor.

The master level courses numbered at the 6000- and 7000-levels.

The College of Education requires approval by a faculty advisor for all courses outside the college bearing numbers lower than 6000 for a degree program. College of Education courses numbered lower than 6000 cannot apply toward a graduate degree.

Students must earn all term credit hours, including thesis, within the five years prior to graduation.

The College of Education accepts a maximum of nine term credit hours of transfer credit from an accredited university, with the approval of a faculty advisor and the college's Associate Dean of Graduate Studies.

Transfer students must complete at least 24 graduate credit hours at the University of Houston (after admission to the graduate program). Of these hours, no less than 18 graduate credit hours must be in courses numbered 6000 or above.

All transfer and subsequent work require a minimum 3.00 grade point average (A=4.00). Grades lower than a C does not count for graduate credit.

A graduate student receiving a grade of C+ or lower in 12 term hours of credit at the University of Houston, whether or not in repeated courses, is ineligible for any advanced degree and cannot re-enroll for graduate study.

Students use MyAdvisor to reflect benchmark requirements for degree completion; a degree plan requires approval by a faculty advisor, the program coordinator, the department chair, and the Dean prior to completing 18 semester hours of credit.

Department Requirements

All students in the CUIN Masters of Education program must take nine (9) graduate credit hours of common core (Professional Seminars I and II and Capstone).

-- Students satisfactorily complete a Capstone project during their final term of course work.

All students in the EPLS Department for the MEd in Administration and Supervision and EdD in Professional Leadership are required to complete TEXES Certification (Principal or Superintendent) in lieu of a comprehensive exam.



Graduation Requirements

Complete all applicable graduate coursework and benchmarks prior to proposed graduation. Students should file an application for graduation in MyUH early in the final term of their degree. The university's Academic Calendar lists the application filing deadlines per term. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.

Curriculum and Instruction, MEd - Spec in Educational Administration and Supervision

Department of Curriculum and Instruction > Curriculum and Instruction, MEd - Specialization in Educational Administration and Supervision

The Master's Program in Administration and Supervision provides a strong foundation of knowledge, skills, real world experience, and innovative research to prepare students to be educational leaders. Graduates fill an important need in the community, serving in diverse positions in both public and private educational institutions. The degree fulfills requirements for the Texas Standard Principal Certificate. However, graduates also pursue positions across the educational community and in business settings.

For more information please see the College of Education webpage.

The M.Ed. degree also fulfills requirements for the Texas Examinations of Educator Standards (TExES) Principal (068) certification.

The program is designed to be completed in one calendar year consisting of one Spring, Summer, and Fall terms consecutively.

The Administration & Supervision program develops professional leadership, ethical, interpersonal and intrapersonal skills. Through specialized coursework, preparing for the Texas Examinations of Educator Standards (TExES) Principal (068), and clinical -based internships, students will have the ability to:

- Work in complex, ambiguous, fast-paced, and often-uncertain contexts unique to schools
- Have a high commitment to the safety and dignity of students
- Maintain a strong work ethic and a desire "to get things done"
- Understand the professional knowledge base for school administration and use it to think reflectively, critically and creatively in dealing with problems and dilemmas
- Show confidence in self to (a) be an independent learner, (b) act on informed intuition, (c) know that seldom are there absolutely right answers to the endless situations encountered, and (d) be able to live with the consequences of independent actions
- Exhibit leadership with students, teachers, support staff, parents, and other community members to build and maintain a learning community within the school district and community
- Recognize the moral dimensions of schooling and maintain a high level of caring and ethics in motives, judgments, and interpersonal behavior

Unique features of this program:

- All faculty, including adjunct professors, have experience as campus and/or district leadership
- Program designed to be completed in one calendar year
- An internship course is embedded into the curriculum each term; the supervising mentor is compensated with a stipend (restrictions apply)

The program prepares graduates for academic leadership positions in public and non-public settings. It prepares professionals to work in a variety of roles as educators and mid to high-level administrative positions in:

- K-12 schools
- Community colleges
- Universities



Technical schools
Adult schools
Educational agencies

Graduates of the M.Ed. in Administration and Supervision may pursue the following careers:

Community College Professor
School Principal
Assistant School Principal
K-12 School Administrator
K-12 Team Leader
K-12 Department Chair

Admission Requirements

The College of Education takes into consideration a number of criteria when determining admission, including prior college or university performance, letters of recommendation, standardized test scores and statement of intent. All applicants must abide by the minimum qualifications for admissions to a masters or doctoral program. All graduate applicants (regardless of citizenship status) must demonstrate proficiency in English to obtain admission to the University. For more information, visit <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency/>.

An applicant is responsible for ensuring that all required materials for the evaluation of admissions are received by the College before the program's deadline. If the application is not complete by the program's deadline, it will not be evaluated for the admissions. Full details of the online application process can be found at www.uh.edu/graduate-school/admissions/how-to-apply.

Applicant checklist:

Complete online graduate application including statement of interest, resume/c.v., letters of recommendation, and application fee payment.

Official transcripts from all previous college/university work sent to the UH Graduate School.

Official reporting of GRE scores taken in the last five years

International students have additional documentation requirements which can be found at www.uh.edu/graduate-school/admissions/international-students/.

Grade Point Average Requirements

Admission requirements for the College of Education require a minimum cumulative grade point average (GPA) of 2.6 for undergraduate coursework or over the last 60 credit hours of coursework. The College requires a minimum cumulative grade point average (GPA) of 3.0 for graduate coursework. The College's admission committees evaluate all credentials submitted by applicants to determine a student's ability and potential to succeed in graduate study. In addition, the committee is interested in the applicant's potential to contribute to his/her program of study and the University community as a whole.

Degree Requirements

To obtain a Master in Education for Administration and Supervision, students must complete **30 term hours and successfully pass the TExES Principal Exam (068)**.

These hours will be derived from:

ELCS 6301 - Leadership for Equity in Diverse Schools **Credit Hours: 3**

ELCS 6302 - Data-Informed Decision Making for School Leaders **Credit Hours: 3**

ELCS 6304 - Law & Policy for School Leaders **Credit Hours: 3**



ELCS 6310 - Strategic Engagement of School/Community Stakeholders **Credit Hours: 3.0**

ELCS 6350 - School Leadership, The Principalship **Credit Hours: 3**

ELCS 6370 - Research for Educational Leaders **Credit Hours: 3.0**

CUIN 6198 - Independent Study **Credit Hours: 1.0**

Total = 21 Term Hours

Clinical-Based Internships (3 Courses/9Credit Hours)

ELCS 6330 - Finance & School-Based Budgeting **Credit Hours: 3**

ELCS 6320 - Instructional Supervision **Credit Hours: 3.0**

ELCS 6393 - Practicum **Credit Hours: 3.0** Educational Leadership Supervision

Academic Policies

TEXES Principal - M.Ed. in Administration and Supervision

Due to the critical role the principal plays in campus effectiveness and student achievement, and consistent with the Texas Education Code (TEC), §21.046(c), the rules adopted by the State Board for Educator Certification ensure that each candidate for the Principal Certificate is of the highest caliber and possesses the knowledge and skills necessary for success (Title 19, TAC §241). The M.Ed. in Administration and Supervision program emphasizes the training and coursework necessary for obtaining the knowledge, skills, and attributes for becoming an educational leader.

The TEXES Principal (068) certification is offered through the M.Ed. program. Students are expected to complete all pre-requisite courses and internship requirements for the degree and certification.

Please review the COE Certification webpage for application and additional information.

University of Houston Academic Policies

Curriculum and Instruction, MEd - Specialization in Elementary Education

Master of Education: College of Education

Degree Requirements

The following represents minimal expectations for the completion of a master's degree in the College of Education. Each department establishes specific degree requirements for its major areas. For more information, students should consult the department or program of their choice.

A Master's degree in the College of Education requires a minimum of 30 graduate credit hours; however, some program areas require additional credit hours.

A degree plan is required; students must complete a degree plan in MyAdvisor.

The master level courses numbered at the 6000- and 7000-levels.

The College of Education requires approval by a faculty advisor for all courses outside the college bearing numbers lower than 6000 for a degree program. College of Education courses numbered lower than 6000 cannot apply toward a graduate degree.

Students must earn all term credit hours, including thesis, within the five years prior to graduation.

The College of Education accepts a maximum of nine term credit hours of transfer credit from an accredited university, with the approval of a faculty advisor and the college's Associate Dean of Graduate Studies.

Transfer students must complete at least 24 graduate credit hours at the University of Houston (after admission to the graduate program). Of these hours, no less than 18 graduate credit hours must be in courses numbered 6000 or above.



All transfer and subsequent work require a minimum 3.00 grade point average (A=4.00). Grades lower than a C does not count for graduate credit.

A graduate student receiving a grade of C+ or lower in 12 term hours of credit at the University of Houston, whether or not in repeated courses, is ineligible for any advanced degree and cannot re-enroll for graduate study.

Students use MyAdvisor to reflect benchmark requirements for degree completion; a degree plan requires approval by a faculty advisor, the program coordinator, the department chair, and the Dean prior to completing 18 semester hours of credit.

Department Requirements

All students in the CUIN Masters of Education program must take nine (9) graduate credit hours of common core (Professional Seminars I and II and Capstone).

-- Students satisfactorily complete a Capstone project during their final term of course work.

All students in the EPLS Department for the MEd in Administration and Supervision and EdD in Professional Leadership are required to complete TEXES Certification (Principal or Superintendent) in lieu of a comprehensive exam.

Graduation Requirements

Complete all applicable graduate coursework and benchmarks prior to proposed graduation. Students should file an application for graduation in MyUH early in the final term of their degree. The university's Academic Calendar lists the application filing deadlines per term. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.

Curriculum and Instruction, MEd - Specialization in Gifted and Talented Education

Master of Education: College of Education

Degree Requirements

The following represents minimal expectations for the completion of a master's degree in the College of Education. Each department establishes specific degree requirements for its major areas. For more information, students should consult the department or program of their choice.

A Master's degree in the College of Education requires a minimum of 30 graduate credit hours; however, some program areas require additional credit hours.

A degree plan is required; students must complete a degree plan in MyAdvisor.

The master level courses numbered at the 6000- and 7000-levels.

The College of Education requires approval by a faculty advisor for all courses outside the college bearing numbers lower than 6000 for a degree program. College of Education courses numbered lower than 6000 cannot apply toward a graduate degree.

Students must earn all term credit hours, including thesis, within the five years prior to graduation.

The College of Education accepts a maximum of nine term credit hours of transfer credit from an accredited university, with the approval of a faculty advisor and the college's Associate Dean of Graduate Studies.

Transfer students must complete at least 24 graduate credit hours at the University of Houston (after admission to the graduate program). Of these hours, no less than 18 graduate credit hours must be in courses numbered 6000 or above.



All transfer and subsequent work require a minimum 3.00 grade point average (A=4.00). Grades lower than a C does not count for graduate credit.

A graduate student receiving a grade of C+ or lower in 12 term hours of credit at the University of Houston, whether or not in repeated courses, is ineligible for any advanced degree and cannot re-enroll for graduate study.

Students use MyAdvisor to reflect benchmark requirements for degree completion; a degree plan requires approval by a faculty advisor, the program coordinator, the department chair, and the Dean prior to completing 18 semester hours of credit.

Department Requirements

All students in the CUIIN Masters of Education program must take nine (9) graduate credit hours of common core (Professional Seminars I and II and Capstone).

-- Students satisfactorily complete a Capstone project during their final term of course work.

All students in the EPLS Department for the MEd in Administration and Supervision and EdD in Professional Leadership are required to complete TExES Certification (Principal or Superintendent) in lieu of a comprehensive exam.

Graduation Requirements

Complete all applicable graduate coursework and benchmarks prior to proposed graduation. Students should file an application for graduation in MyUH early in the final term of their degree. The university's Academic Calendar lists the application filing deadlines per term. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.

Curriculum and Instruction, MEd - Specialization in Health Science Education

College of Education > Department of Curriculum and Instruction > Curriculum and Instruction, MEd - Specialization in Health Science Education

The Master's program is designed to meet the needs of professionals involved in health science education and course content focuses on teaching and learning in academic health science settings. The instructors utilize academic activities that students can use in their professional lives as they explore best practices in teaching, learn to design and conduct research and investigate the uses of instructional technology in an educational environment.

Students in the Master's program for health science education typically work in a wide variety of different vocations. They include physicians, dentists, nurse educators, healthcare administrators, family therapists and others who work in various healthcare fields in the Texas Medical Center, the Houston area and other locations in the state and region.

We anticipate that upon earning the Master's degree, many of our graduates will stay in the Houston area and seek positions within their respective institutions, such as Baylor College of Medicine, the UT Medical and Dental Schools, MD Anderson Cancer Center, Methodist Hospital, University of Texas Medical Branch, the Houston Independent School District, Houston Community College, San Jacinto College, etc. We believe that most of our graduates will move up in their current institutions or seek new positions in academic healthcare institutions or other locations where they will have educational roles and responsibilities in instructional design, curriculum development, teaching and more.

For more information, please visit the Graduate Programs for Health Science Educators page.

Admission Requirements



The Master's program is delivered completely online and is open to applicants who:

are currently working or have worked at a healthcare institution, or in private practice, and have earned a baccalaureate degree with an overall Grade Point Average (GPA) of at least 2.6 for undergraduate coursework (A = 4.00) for conditional admission. Conditionally admitted students must earn a grade point average of at least 3.0 in the first 12 semester hours of graduate work attempted at UH after admission, to remain in the graduate program.

Applicants with an overall GPA of less than 2.6 cannot be admitted. Since all coursework and degree requirements may be completed online, students in the Master's program do not need to live in the Houston area or attend any face-to-face classes.

Please visit the Admissions Information page for more information.

Degree Requirements

Credit hours required for this degree: 30.0

Master's students must complete 10 online courses (30 semester hours) to earn a master's degree, and 2 courses are offered each fall, spring and summer semesters. Most students take 2 courses per semester for five semesters in a row and can complete the course requirements and earn the degree in under two years. In addition to the 10 courses that students take, a capstone project is required and is normally submitted upon completion of coursework. Since all coursework and degree requirements may be completed online, students in the master's program do not need to attend any face-to-face classes.

Course Requirements

Students are required to complete at least one of the following two courses:

CUIN 7391 - Curriculum Development for Health Sciences Education **Credit Hours: 3.0**

CUIN 7390 - Instructional Design **Credit Hours: 3.0**

However, depending on a student's individual degree plan, both of these courses may be taken and can count toward the master's degree.

Additional Required Courses

In addition, master's students must complete at least two of the following courses, although depending on a student's individual degree plan, three or four of these courses may be taken and can count toward the master's degree.

CUIN 6307 - Change and Diffusion **Credit Hours: 3.0**

CUIN 7378 - Models of Teaching **Credit Hours: 3.0**

CUIN 7381 - Instructional Evaluation **Credit Hours: 3.0**

CUIN 7345 - Learning Theories for Instruction **Credit Hours: 3.0**

Course Electives

Students will select their remaining courses from the following list*:

CUIN 7305 - Design, Development, & Evaluation of Presentations **Credit Hours: 3.0**

CUIN 7308 - Educational Uses of CMC **Credit Hours: 3.0**

CUIN 7356 - Issues in Distance Education **Credit Hours: 3.0**

CUIN 7358 - Educational Uses of Digital Storytelling **Credit Hours: 3.0**



CUIN 7368 - Digital Imaging in Education **Credit Hours: 3.0**

CUIN 7376 - New Tools for Creating Online Educational Materials **Credit Hours: 3.0**

CUIN 7389 - Digital Media **Credit Hours: 3.0**

*** Other Course Options**

With the consent of their academic advisor, students may take other educationally relevant courses that are taught face-to-face, online or in a hybrid format through the main campus of the University of Houston.

Academic Policies

University of Houston Academic Policies

College Academic Policies

It is the responsibility of students to read the Graduate and Professional Studies Catalog and be familiar with the requirements, rules, and policies currently in effect for all graduate students at the University of Houston. The main catalog page is available here: 2018-2019 Graduate Catalog.

Transfer Credit

A maximum of two courses (6 semester hours) of graduate work with a grade of A or B or its equivalent and relevant to the planned program may be transferred from another university into the Master's program. Official transcripts showing successful completion of these courses must be submitted. Transfer credit is subject to approval of a student's advisor, department chair and the College of Education's Associate Dean for Graduate Studies.

Master's Capstone Project

All Master's students must complete a Capstone Project. The purpose of the Capstone Project is to demonstrate the depth and breadth of a student's educational growth through the Master's program including the knowledge and skills gained as well as growth as a reflective practitioner. The Master's Capstone Project consists of two components: a project design document and a narrated multimedia presentation. Project components are presented through a self-running narrated PowerPoint presentation that includes examples and demonstrations of content knowledge, instructional practices relevant to the student's professional goals in an academic health science setting.

The topic of the Capstone Project is determined by the student, with approval of a student's advisor. Students are encouraged to select a topic about which they have some prior knowledge and is related to a real-world problem or issue. The Capstone Project should address an instructional need that can be identified and effectively addressed in the presentation. All components of the Capstone Project are due at least two weeks before the end of a student's final semester. Students should consult with their advisor on how to submit copies of the multimedia presentation and the written design document. More information about the Capstone Project is online at: http://medical.coe.uh.edu/requirements_masters.html.

Curriculum and Instruction, MEd - Specialization in Learning, Design and Technology

Colleges > College of Education > Curriculum and Instruction, MEd - with Specializations > Curriculum and Instruction, MEd - Specialization in Learning, Design and Technology

The Master's program in Curriculum & Instruction - Learning, Design & Technology systematically prepares education, health care, and business professionals to create, deliver and analyze instruction and improve performance using effective technology tools. The program provides opportunities to learn new and innovative skills to integrate the latest technologies in teaching and learning. There is a strong connection between course activities and implementing and improving practices in an instructional setting.



Students learn the following skills:

Integrating technology into educational practice to improve learning in innovative and creative ways,
Using a **diverse range of technologies** to connect and collaborate with others,
Designing **authentic learning experiences** and assessments using the instructional design process,
Applying and incorporating **digital citizenship** in teaching and learning activities,
Engaging learners through online and blended instructional approaches,
Strategically planning for technology use, implementation and dissemination in educational practice, and
Making sound decisions based on research about the use of technology to **support and enhance learning**.

For more information, please visit the Master of Education (M. Ed.) Curriculum & Instruction - Learning, Design & Technology website.

Master of Education: College of Education

Degree Requirements

The following represents minimal expectations for the completion of a master's degree in the College of Education. Each department establishes specific degree requirements for its major areas. For more information, students should consult the department or program of their choice.

A Master's degree in the College of Education requires a minimum of 30 graduate credit hours; however, some program areas require additional credit hours.

A degree plan is required; students must complete a degree plan in MyAdvisor.

The master level courses numbered at the 6000- and 7000-levels.

The College of Education requires approval by a faculty advisor for all courses outside the college bearing numbers lower than 6000 for a degree program. College of Education courses numbered lower than 6000 cannot apply toward a graduate degree.

Students must earn all term credit hours, including thesis, within the five years prior to graduation.

The College of Education accepts a maximum of nine term credit hours of transfer credit from an accredited university, with the approval of a faculty advisor and the college's Associate Dean of Graduate Studies.

Transfer students must complete at least 24 graduate credit hours at the University of Houston (after admission to the graduate program). Of these hours, no less than 18 graduate credit hours must be in courses numbered 6000 or above.

All transfer and subsequent work require a minimum 3.00 grade point average (A=4.00). Grades lower than a C does not count for graduate credit.

A graduate student receiving a grade of C+ or lower in 12 term hours of credit at the University of Houston, whether or not in repeated courses, is ineligible for any advanced degree and cannot re-enroll for graduate study.

Students use MyAdvisor to reflect benchmark requirements for degree completion; a degree plan requires approval by a faculty advisor, the program coordinator, the department chair, and the Dean prior to completing 18 semester hours of credit.

Department Requirements

All students in the CUIIN Masters of Education program must take nine (9) graduate credit hours of common core (Professional Seminars I and II and Capstone).

-- Students satisfactorily complete a Capstone project during their final term of course work.

All students in the EPLS Department for the MEd in Administration and Supervision and EdD in Professional Leadership are required to complete TEXES Certification (Principal or Superintendent) in lieu of a comprehensive exam.

Graduation Requirements



Complete all applicable graduate coursework and benchmarks prior to proposed graduation. Students should file an application for graduation in MyUH early in the final term of their degree. The university's Academic Calendar lists the application filing deadlines per term. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.

Course Requirements

Credit hours required for this degree: 30.0

The Learning, Design & Technology master's program consists of ten courses - two Curriculum and Instruction core courses (CUIN 7303: Professional Seminar 1 and CUIN 7304: Professional Seminar 2) and eight Learning, Design & Technology specialization courses for a total of 10 courses or 30 graduate hours. The program can be completed in five semesters when students enroll part-time (2 courses each semester).

Each semester, students can choose classes that are taught face-to-face on the main UH Campus or at the new UH Sugar Land campus or they can choose online classes. Student may even complete the entire degree online if they wish.

Required Courses:

- CUIN 7303 - Professional Seminar I **Credit Hours: 3.0**
- CUIN 7304 - Professional Seminar II **Credit Hours: 3.0**
- CUIN 7347 - Seminar in Learning, Design & Technology **Credit Hours: 3.0**
- CUIN 7390 - Instructional Design **Credit Hours: 3.0**
- Electives: 6 additional courses of approved electives (18 credits)

Example Degree Plan

Fall Semester 1

- CUIN 7303 - Professional Seminar I **Credit Hours: 3.0**
- Choose one course below:**
- CUIN 7358 - Educational Uses of Digital Storytelling **Credit Hours: 3.0**
- CUIN 7368 - Digital Imaging in Education **Credit Hours: 3.0**
- CUIN 7374 - Educational Multimedia **Credit Hours: 3.0**

Spring Semester 1

- CUIN 7390 - Instructional Design **Credit Hours: 3.0**
- Choose one course below:**
- CUIN 7316 - Design Online Educational Resources **Credit Hours: 3.0**
- CUIN 7350 - Integrating Technology into the Curriculum **Credit Hours: 3.0**

Summer Semester 1

- Taught in odd-numbered years:
- CUIN 7356 - Issues in Distance Education **Credit Hours: 3.0**
- CUIN 7376 - New Tools for Creating Online Educational Materials **Credit Hours: 3.0**
- OR**
- Taught in even-numbered years:
- CUIN 7305 - Design, Development, & Evaluation of Presentations **Credit Hours: 3.0**



CUIN 7389 - Digital Media **Credit Hours: 3.0**

Fall Semester 2

CUIN 7347 - Seminar in Learning, Design & Technology **Credit Hours: 3.0**

Choose one course below:

CUIN 7308 - Educational Uses of CMC **Credit Hours: 3.0**

CUIN 7358 - Educational Uses of Digital Storytelling **Credit Hours: 3.0**

CUIN 7374 - Educational Multimedia **Credit Hours: 3.0**

Spring Semester 2

CUIN 7304 - Professional Seminar II **Credit Hours: 3.0**

Choose one course below:

CUIN 7316 - Design Online Educational Resources **Credit Hours: 3.0**

CUIN 7318 - Current Issues in Learning & Design **Credit Hours: 3.0**

CUIN 7350 - Integrating Technology into the Curriculum **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies

Department Academic Policies

In addition to completing 10 courses, students submit a Capstone Project as part of the program requirements for the Learning, Design & Technology Master's program. The Capstone Project provides students with the opportunity to apply, integrate and synthesize key concepts learned from courses in the program. This project demonstrates the depth and breadth of educational growth through the program and highlights the knowledge and skills gained, as well as development as a reflective practitioner. Students identify an authentic and challenging technology-related problem and then design, develop, implement and evaluate a proposed solution to meet that need.

Under most circumstances and with careful planning, students may complete the course requirements for Master Technology Teacher certification from the Texas State Board of Education at the same time without taking additional courses. Students may also use master's courses to count towards the requirements for three UH Graduate Certificates in Designing and Developing Educational Graphics, Designing and Developing Educational Multimedia, and Online Teaching and Learning.

Curriculum and Instruction, MEd - Specialization in Mathematics Education

Master of Education: College of Education

Degree Requirements

The following represents minimal expectations for the completion of a master's degree in the College of Education. Each department establishes specific degree requirements for its major areas. For more information, students should consult the department or program of their choice.

A Master's degree in the College of Education requires a minimum of 30 graduate credit hours; however, some program areas require additional credit hours.

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The master level courses numbered at the 6000- and 7000-levels.

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All transfer and subsequent work require a minimum 3.00 grade point average (A=4.00). Grades lower than a C does not count for graduate credit.

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Students use MyAdvisor to reflect benchmark requirements for degree completion; a degree plan requires approval by a faculty advisor, the program coordinator, the department chair, and the Dean prior to completing 18 semester hours of credit.

Department Requirements

All students in the CUI Masters of Education program must take nine (9) graduate credit hours of common core (Professional Seminars I and II and Capstone).

-- Students satisfactorily complete a Capstone project during their final term of course work.

All students in the EPLS Department for the MEd in Administration and Supervision and EdD in Professional Leadership are required to complete TExES Certification (Principal or Superintendent) in lieu of a comprehensive exam.

Graduation Requirements

Complete all applicable graduate coursework and benchmarks prior to proposed graduation. Students should file an application for graduation in MyUH early in the final term of their degree. The university's Academic Calendar lists the application filing deadlines per term. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.

Curriculum and Instruction, MEd - Specialization in Reading and Language Arts Education

Master of Education: College of Education

Degree Requirements

The following represents minimal expectations for the completion of a master's degree in the College of Education. Each department establishes specific degree requirements for its major areas. For more information, students should consult the department or program of their choice.

A Master's degree in the College of Education requires a minimum of 30 graduate credit hours; however, some program areas require additional credit hours.

A degree plan is required; students must complete a degree plan in MyAdvisor.

The master level courses numbered at the 6000- and 7000-levels.



The College of Education requires approval by a faculty advisor for all courses outside the college bearing numbers lower than 6000 for a degree program. College of Education courses numbered lower than 6000 cannot apply toward a graduate degree.

Students must earn all term credit hours, including thesis, within the five years prior to graduation.

The College of Education accepts a maximum of nine term credit hours of transfer credit from an accredited university, with the approval of a faculty advisor and the college's Associate Dean of Graduate Studies.

Transfer students must complete at least 24 graduate credit hours at the University of Houston (after admission to the graduate program). Of these hours, no less than 18 graduate credit hours must be in courses numbered 6000 or above.

All transfer and subsequent work require a minimum 3.00 grade point average (A=4.00). Grades lower than a C does not count for graduate credit.

A graduate student receiving a grade of C+ or lower in 12 term hours of credit at the University of Houston, whether or not in repeated courses, is ineligible for any advanced degree and cannot re-enroll for graduate study.

Students use MyAdvisor to reflect benchmark requirements for degree completion; a degree plan requires approval by a faculty advisor, the program coordinator, the department chair, and the Dean prior to completing 18 semester hours of credit.

Department Requirements

All students in the CUIN Masters of Education program must take nine (9) graduate credit hours of common core (Professional Seminars I and II and Capstone).

-- Students satisfactorily complete a Capstone project during their final term of course work.

All students in the EPLS Department for the MEd in Administration and Supervision and EdD in Professional Leadership are required to complete TExES Certification (Principal or Superintendent) in lieu of a comprehensive exam.

Graduation Requirements

Complete all applicable graduate coursework and benchmarks prior to proposed graduation. Students should file an application for graduation in MyUH early in the final term of their degree. The university's Academic Calendar lists the application filing deadlines per term. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.

Curriculum and Instruction, MEd - Specialization in Science Education

Master of Education: College of Education

Degree Requirements

The following represents minimal expectations for the completion of a master's degree in the College of Education. Each department establishes specific degree requirements for its major areas. For more information, students should consult the department or program of their choice.

A Master's degree in the College of Education requires a minimum of 30 graduate credit hours; however, some program areas require additional credit hours.

A degree plan is required; students must complete a degree plan in MyAdvisor.

The master level courses numbered at the 6000- and 7000-levels.

The College of Education requires approval by a faculty advisor for all courses outside the college bearing numbers lower than 6000 for a degree program. College of Education courses numbered lower than 6000 cannot apply toward a graduate degree.

Students must earn all term credit hours, including thesis, within the five years prior to graduation.



The College of Education accepts a maximum of nine term credit hours of transfer credit from an accredited university, with the approval of a faculty advisor and the college's Associate Dean of Graduate Studies.

Transfer students must complete at least 24 graduate credit hours at the University of Houston (after admission to the graduate program). Of these hours, no less than 18 graduate credit hours must be in courses numbered 6000 or above.

All transfer and subsequent work require a minimum 3.00 grade point average (A=4.00). Grades lower than a C does not count for graduate credit.

A graduate student receiving a grade of C+ or lower in 12 term hours of credit at the University of Houston, whether or not in repeated courses, is ineligible for any advanced degree and cannot re-enroll for graduate study.

Students use MyAdvisor to reflect benchmark requirements for degree completion; a degree plan requires approval by a faculty advisor, the program coordinator, the department chair, and the Dean prior to completing 18 semester hours of credit.

Department Requirements

All students in the CUIN Masters of Education program must take nine (9) graduate credit hours of common core (Professional Seminars I and II and Capstone).

-- Students satisfactorily complete a Capstone project during their final term of course work.

All students in the EPLS Department for the MEd in Administration and Supervision and EdD in Professional Leadership are required to complete TEXES Certification (Principal or Superintendent) in lieu of a comprehensive exam.

Graduation Requirements

Complete all applicable graduate coursework and benchmarks prior to proposed graduation. Students should file an application for graduation in MyUH early in the final term of their degree. The university's Academic Calendar lists the application filing deadlines per term. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.

Curriculum and Instruction, MEd - Specialization in Second Language Education

Master of Education: College of Education

Degree Requirements

The following represents minimal expectations for the completion of a master's degree in the College of Education. Each department establishes specific degree requirements for its major areas. For more information, students should consult the department or program of their choice.

A Master's degree in the College of Education requires a minimum of 30 graduate credit hours; however, some program areas require additional credit hours.

A degree plan is required; students must complete a degree plan in MyAdvisor.

The master level courses numbered at the 6000- and 7000-levels.

The College of Education requires approval by a faculty advisor for all courses outside the college bearing numbers lower than 6000 for a degree program. College of Education courses numbered lower than 6000 cannot apply toward a graduate degree.

Students must earn all term credit hours, including thesis, within the five years prior to graduation.

The College of Education accepts a maximum of nine term credit hours of transfer credit from an accredited university, with the approval of a faculty advisor and the college's Associate Dean of Graduate Studies.



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A graduate student receiving a grade of C+ or lower in 12 term hours of credit at the University of Houston, whether or not in repeated courses, is ineligible for any advanced degree and cannot re-enroll for graduate study.

Students use MyAdvisor to reflect benchmark requirements for degree completion; a degree plan requires approval by a faculty advisor, the program coordinator, the department chair, and the Dean prior to completing 18 semester hours of credit.

Department Requirements

All students in the CUIN Masters of Education program must take nine (9) graduate credit hours of common core (Professional Seminars I and II and Capstone).

-- Students satisfactorily complete a Capstone project during their final term of course work.

All students in the EPLS Department for the MEd in Administration and Supervision and EdD in Professional Leadership are required to complete TExES Certification (Principal or Superintendent) in lieu of a comprehensive exam.

Graduation Requirements

Complete all applicable graduate coursework and benchmarks prior to proposed graduation. Students should file an application for graduation in MyUH early in the final term of their degree. The university's Academic Calendar lists the application filing deadlines per term. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.

Curriculum and Instruction, MEd - Specialization in Secondary Education

Master of Education: College of Education

Degree Requirements

The following represents minimal expectations for the completion of a master's degree in the College of Education. Each department establishes specific degree requirements for its major areas. For more information, students should consult the department or program of their choice.

A Master's degree in the College of Education requires a minimum of 30 graduate credit hours; however, some program areas require additional credit hours.

A degree plan is required; students must complete a degree plan in MyAdvisor.

The master level courses numbered at the 6000- and 7000-levels.

The College of Education requires approval by a faculty advisor for all courses outside the college bearing numbers lower than 6000 for a degree program. College of Education courses numbered lower than 6000 cannot apply toward a graduate degree.

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The College of Education accepts a maximum of nine term credit hours of transfer credit from an accredited university, with the approval of a faculty advisor and the college's Associate Dean of Graduate Studies.

Transfer students must complete at least 24 graduate credit hours at the University of Houston (after admission to the graduate program). Of these hours, no less than 18 graduate credit hours must be in courses numbered 6000 or above.



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Students use MyAdvisor to reflect benchmark requirements for degree completion; a degree plan requires approval by a faculty advisor, the program coordinator, the department chair, and the Dean prior to completing 18 semester hours of credit.

Department Requirements

All students in the CUIIN Masters of Education program must take nine (9) graduate credit hours of common core (Professional Seminars I and II and Capstone).

-- Students satisfactorily complete a Capstone project during their final term of course work.

All students in the EPLS Department for the MEd in Administration and Supervision and EdD in Professional Leadership are required to complete TExES Certification (Principal or Superintendent) in lieu of a comprehensive exam.

Graduation Requirements

Complete all applicable graduate coursework and benchmarks prior to proposed graduation. Students should file an application for graduation in MyUH early in the final term of their degree. The university's Academic Calendar lists the application filing deadlines per term. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.

Curriculum and Instruction, MEd - Specialization in Social Studies Education

Master of Education: College of Education

Degree Requirements

The following represents minimal expectations for the completion of a master's degree in the College of Education. Each department establishes specific degree requirements for its major areas. For more information, students should consult the department or program of their choice.

A Master's degree in the College of Education requires a minimum of 30 graduate credit hours; however, some program areas require additional credit hours.

A degree plan is required; students must complete a degree plan in MyAdvisor.

The master level courses numbered at the 6000- and 7000-levels.

The College of Education requires approval by a faculty advisor for all courses outside the college bearing numbers lower than 6000 for a degree program. College of Education courses numbered lower than 6000 cannot apply toward a graduate degree.

Students must earn all term credit hours, including thesis, within the five years prior to graduation.

The College of Education accepts a maximum of nine term credit hours of transfer credit from an accredited university, with the approval of a faculty advisor and the college's Associate Dean of Graduate Studies.

Transfer students must complete at least 24 graduate credit hours at the University of Houston (after admission to the graduate program). Of these hours, no less than 18 graduate credit hours must be in courses numbered 6000 or above.

All transfer and subsequent work require a minimum 3.00 grade point average (A=4.00). Grades lower than a C does not count for graduate credit.



A graduate student receiving a grade of C+ or lower in 12 term hours of credit at the University of Houston, whether or not in repeated courses, is ineligible for any advanced degree and cannot re-enroll for graduate study.

Students use MyAdvisor to reflect benchmark requirements for degree completion; a degree plan requires approval by a faculty advisor, the program coordinator, the department chair, and the Dean prior to completing 18 semester hours of credit.

Department Requirements

All students in the CUIN Masters of Education program must take nine (9) graduate credit hours of common core (Professional Seminars I and II and Capstone).

-- Students satisfactorily complete a Capstone project during their final term of course work.

All students in the EPLS Department for the MEd in Administration and Supervision and EdD in Professional Leadership are required to complete TExES Certification (Principal or Superintendent) in lieu of a comprehensive exam.

Graduation Requirements

Complete all applicable graduate coursework and benchmarks prior to proposed graduation. Students should file an application for graduation in MyUH early in the final term of their degree. The university's Academic Calendar lists the application filing deadlines per term. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.

Curriculum and Instruction, MEd - Specialization in STEM Education

The M.Ed. in Curriculum and Instruction (CUIN) with a specialization in STEM Education is a 30 credit-hour program with a Capstone Project. The curriculum and delivery of the coursework builds from lessons learned from the integration of Science, Mathematics, and Reflective Teaching (iSMART) M.Ed. program where 91 of 97 middle grades science and mathematics Texas teachers (four cohorts of 22-27, 94% retention) successfully completed the program. iSMART's purpose was to develop and implement a research-based graduate program focusing on science and mathematics integration, technology, and teacher leadership.

Degree Requirements

CUIN 7303 - Professional Seminar I **Credit Hours: 3.0**

CUIN 7304 - Professional Seminar II **Credit Hours: 3.0**

CUIN 7301 - CUIN Capstone Seminar **Credit Hours: 3**

CUIN 7340 - Issues in Mathematics Education **Credit Hours: 3.0**

CUIN 6346 - Teaching Mathematics and Science with Technology **Credit Hours: 3**

CUIN 7322 - Curric Dev in Sci Ed **Credit Hours: 3.0**

CUST 6311 - Edu-Multicultrl Society **Credit Hours: 3.0**

CUIN 6397 - Selected Topics in C&I **Credit Hours: 3.00**

Topics:

Fundamentals in Engineering Design

Project-Based Learning in STEM Education

Academic Policies

University of Houston Academic Policies

Academic Policies: College of Education



Curriculum and Instruction, MEd - Specialization in Teaching

Master of Education: College of Education

Degree Requirements

The following represents minimal expectations for the completion of a master's degree in the College of Education. Each department establishes specific degree requirements for its major areas. For more information, students should consult the department or program of their choice.

A Master's degree in the College of Education requires a minimum of 30 graduate credit hours; however, some program areas require additional credit hours.

A degree plan is required; students must complete a degree plan in MyAdvisor.

The master level courses numbered at the 6000- and 7000-levels.

The College of Education requires approval by a faculty advisor for all courses outside the college bearing numbers lower than 6000 for a degree program. College of Education courses numbered lower than 6000 cannot apply toward a graduate degree.

Students must earn all term credit hours, including thesis, within the five years prior to graduation.

The College of Education accepts a maximum of nine term credit hours of transfer credit from an accredited university, with the approval of a faculty advisor and the college's Associate Dean of Graduate Studies.

Transfer students must complete at least 24 graduate credit hours at the University of Houston (after admission to the graduate program). Of these hours, no less than 18 graduate credit hours must be in courses numbered 6000 or above.

All transfer and subsequent work require a minimum 3.00 grade point average (A=4.00). Grades lower than a C does not count for graduate credit.

A graduate student receiving a grade of C+ or lower in 12 term hours of credit at the University of Houston, whether or not in repeated courses, is ineligible for any advanced degree and cannot re-enroll for graduate study.

Students use MyAdvisor to reflect benchmark requirements for degree completion; a degree plan requires approval by a faculty advisor, the program coordinator, the department chair, and the Dean prior to completing 18 semester hours of credit.

Department Requirements

All students in the CUIN Masters of Education program must take nine (9) graduate credit hours of common core (Professional Seminars I and II and Capstone).

-- Students satisfactorily complete a Capstone project during their final term of course work.

All students in the EPLS Department for the MEd in Administration and Supervision and EdD in Professional Leadership are required to complete TEXES Certification (Principal or Superintendent) in lieu of a comprehensive exam.

Graduation Requirements

Complete all applicable graduate coursework and benchmarks prior to proposed graduation. Students should file an application for graduation in MyUH early in the final term of their degree. The university's Academic Calendar lists the application filing deadlines per term. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.

Curriculum and Instruction, MEd - with Specializations



The Department of Curriculum and Instruction offers an M.Ed. in Curriculum & Instruction in the following specializations:

- Art Education
- Early Childhood Education
- Elementary Education
- Health Science Education
- Learning, Design, and Technology
- Mathematics Education
- Reading, Language Arts, and Literature Education
- Science Education
- Social Education/Social Studies
- STEM Education
- Teaching

The Department of Curriculum and Instruction prepares teachers and other educators to meet the special demands of educational, health, cultural, and other human service settings. The UH Teacher Education Program at the University of Houston has received the Distinguished Program in Teacher Education Award from the Association of Teacher Educators - the only competitive award for excellence in teacher education in the United States.

Admission Requirements

The College of Education takes into consideration a number of criteria when determining admission, including

- prior college or university performance,
- letters of recommendation,
- standardized test scores and
- statement of intent.

All applicants must abide by the minimum qualifications for admissions to a masters or doctoral program.

All graduate applicants (regardless of citizenship status) must demonstrate proficiency in English to obtain admission to the University.

For more information, visit <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency/>.

An applicant is responsible for ensuring that all required materials for the evaluation of admissions are received by the College before the program's deadline. If the application is not complete by the program's deadline, it will not be evaluated for the admissions. Full details of the online application process can be found at www.uh.edu/graduate-school/admissions/how-to-apply.

Applicant checklist:

- Complete online graduate application including statement of interest, resume/c.v., letters of recommendation, and application fee payment.
- Official transcripts from all previous college/university work sent to the UH Graduate School.
- Official reporting of GRE scores taken in the last five years
- International students have additional documentation requirements which can be found at www.uh.edu/graduate-school/admissions/international-students/

Grade Point Average Requirements

Admission requirements for the College of Education require a minimum cumulative grade point average (GPA) of 2.6 for undergraduate coursework or over the last 60 credit hours of coursework.

The College requires a minimum cumulative grade point average (GPA) of 3.0 for graduate coursework.



The College's admission committees evaluate all credentials submitted by applicants to determine a student's ability and potential to succeed in graduate study.

In addition, the committee is interested in the applicant's potential to contribute to his/her program of study and the University community as a whole.

Degree Requirements

The Master of Education degree requires

Completion of a minimum of 30 credit hours

In the areas of Mathematics Education and Social Education/Social Studies, there is also a 36-credit hour option.

All students, regardless of specialization, must complete the Curriculum and Instruction Core.

For the remaining requirements, please visit the pages for each specialization (list and links above)

Successful capstone project.

Curriculum and Instruction Core

6.0 Credit Hours

CUIN 7303 - Professional Seminar I **Credit Hours: 3.0**

CUIN 7304 - Professional Seminar II **Credit Hours: 3.0**

Academic Policies

University Academic Policies

Academic Policies: College of Education

Curriculum and Instruction, PhD

The PhD in Curriculum and Instruction prepares aspiring scholars and researchers to meet today's challenges to education in multicultural urban settings. The Houston metropolitan area, with over one and a half million K-12 students, is a laboratory of practice for our PhD students from nearby and from around the world. Here, they can engage in inquiry on critical issues and needs germane to education in an increasingly diverse society.

Graduates of the PhD program in Curriculum and Instruction typically pursue the following careers:

University faculty members

Researchers in educational settings

Curriculum design experts

Content area and program evaluation directors

Advocates for policy improvements

Innovation, diversity and excellence are words that characterize this PhD program at the University of Houston. UH is recognized as one of only three national Tier One Hispanic-serving public research universities. It is also designated as an Asian-American serving institution. It is now welcoming the best and brightest local, national and international students into its PhD program in Curriculum and Instruction.

Specialization Areas



There are eight areas of emphasis within the Doctor of Education program that reflect specific career aspirations. Questions about a specialization should be directed to the faculty advisor in each of the areas described below.

Art Education. The doctoral program with specialization in Art Education is designed to prepare graduates for leadership roles in the teaching of art. Course work includes curriculum design, current issues and trends, and new technology in art. Students in the doctoral program are required to complete original research and are encouraged to be involved with professional organizations through publication and presentation. Study in this area prepares students for leadership roles as university teachers, curriculum coordinators for the public schools, and educational leadership in non-school settings such as museum education.

Early Childhood Education. The Early Childhood Education emphasis is designed to meet the educational needs of researchers who seek to improve their investigative and instructional skills in early childhood education settings within urban environments. Courses, field experiences, and research studies are complemented with progressively more involved curricula encompassing young children in group settings within public and private settings. Such training is the best possible preparation for careers in higher education, in schools as educational leaders and in child-related agencies.

Learning, Design, and Technology. The Learning, Design, and Technology emphasis prepares graduates to be active leaders in the use of instructional technologies in education at all levels, from early childhood through post-secondary, in business and industry, and in other organizations with educational components. The program emphasizes scholarly exploration in the areas of design and development of technology-based resources, curriculum development, teaching, design of learning environments, and assessment of programs and learning outcomes. Doctoral students develop broad understandings of current instructional technology trends and issues, as well as focus on a field of specialty that will provide for rich scholarly exploration in the future.

Mathematics Education. The doctoral program with an emphasis in Mathematics Education integrates curriculum and instructional theories, technology, issues of equity and social justice, research, and practice in order to prepare graduates to fill a variety of leadership positions. Graduates have assumed positions as mathematics education researchers, professional developers, mathematics supervisors in school districts, and mathematics teachers at elementary, secondary, and post-secondary levels. The degree offers students with opportunities to investigate mathematics education at all grade levels (pre-school through secondary).

Reading, Language Arts, and Literature. The doctoral program in Reading, Language Arts, and Literature concentrates on the effective teaching of reading, writing, and communicating. Literacy development, content area reading, clinical diagnosis, psychology of reading, reading comprehension, and the analysis of reading programs and other curriculum materials in language arts are studied in advanced seminars. In addition, this program provides for advanced study in literature for children and young adults. Graduates from the program are university professors, literacy curriculum specialists, school administrators, and campus literacy coaches.

Science Education. The doctoral program with emphasis in Science Education prepares graduates to fill a variety of leadership positions in education. The many graduates have assumed positions as: science education researchers and teacher trainers at universities; science supervisors in school systems; science teachers at pre-college and college levels; educational specialists at zoos, planetariums, and museums; and directors of training programs in business and industry. The degree serves to bridge the career aspirations of the candidate with his or her expertise and experiences. It places emphasis upon research and scholarly activity in the areas of curriculum development, teaching skills and instructional strategies, and theories of learning. A major focus is the improvement of scientific and technological literacy of school-age children and adults in the U.S.

Social Education. The doctoral program in Social Studies Education is designed to prepare college instructors, researchers, curriculum leaders, and teachers who are able to draw upon the social and behavioral sciences to understand and investigate problems in education. Program students are encouraged to select course work and learning experiences that are relevant to their own professional academic goals. The student may select a theme that will provide an interdisciplinary basis for his or her program. The program also provides for attention to the teaching of social issues, the social sciences and history as well as to such topics as curriculum construction, controversial issues, the conduct of inquiry, and political socialization.

Teaching and Teacher Education. This area of emphasis provides the student with an intensive study of curricular and teacher effectiveness. It has been designed to enable educational practitioners -teachers, supervisors, staff developers, administrators, and those who aspire to be involved in curriculum development or teacher preparation and training at the university or college level to engage in stimulating, in-depth



study and research with nationally recognized faculty. The experiences have been carefully planned to provide a mixture of knowledge, research, and practical experience.

Admission Requirements

The College of Education takes into consideration a number of criteria when determining admission, including prior college or university performance, letters of recommendation, standardized test scores and statement of intent. All applicants must abide by the minimum qualifications for admissions to a masters or doctoral program. All graduate applicants (regardless of citizenship status) must demonstrate proficiency in English to obtain admission to the University. For more information, visit <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency>.

An applicant is responsible for ensuring that all required materials for the evaluation of admissions are received by the College before the program's deadline. If the application is not complete by the program's deadline, it will not be evaluated for the admissions. Full details of the online application process can be found at www.uh.edu/graduate-school/admissions/how-to-apply.

Applicant checklist:

- Complete online graduate application including statement of interest, resume/c.v., writing sample, letters of recommendation, and application fee payment.

- Official transcripts from all previous college/university work sent to the UH Graduate School.

- International students have additional documentation requirements which can be found at www.uh.edu/graduate-school/admissions/international-students/

GRE Waiver

The GRE requirement is waived for applicants to the PhD in Curriculum and Instruction program who have at least one of the following from an institution:

- an overall undergraduate grade point average of 3.00 or higher (on a 4-point scale), or
- a master's or terminal degree.

Grade Point Average Requirements

Admission requirements for the College of Education require a minimum cumulative grade point average (GPA) of 2.6 for undergraduate coursework or over the last 60 credit hours of coursework. The College requires a minimum cumulative grade point average (GPA) of 3.0 for graduate coursework. The College's admission committees evaluate all credentials submitted by applicants to determine a student's ability and potential to succeed in graduate study. In addition, the committee is interested in the applicant's potential to contribute to his/her program of study and the University community as a whole.

Degree Requirements

Credit hours required for this degree: 66.0

Research Core (15.0 hours)

- CUIN 8370 - Intro to Educational Research **Credit Hours: 3.0**



CUIN 8371 - Introduction to Quantitative Research **Credit Hours: 3.0**
CUIN 8372 - Introduction to Qual Research **Credit Hours: 3.0**
Two **research methods** courses from the elective list below

Curriculum and Instruction Core (24.0 hours)

CUIN 7360 - Curriculum Theory **Credit Hours: 3.0**
CUIN 8345 - Curriculum and Instruction Seminar **Credit Hours: 3.0**
CUIN 8393 - Adv Internship & Prac **Credit Hours: 3.0**
CUIN 8341 - Critical Issues & Research in Urban Education **Credit Hours: 3.0**
CUIN 8342 - Social Justice and Equity **Credit Hours: 3.0**
CUIN 8352 - Technology Applications for Educational Leaders **Credit Hours: 3**
CUIN 8361 - The State of the Curriculum Field in Education **Credit Hours: 3.0**
CUIN 7373 - Instr Strat Tchng Adult **Credit Hours: 3.0**

Program Area Emphasis/Electives (21.0 hours)

Research Methods Electives

After successful completion of the nine-hour introductory sequence (CUIN 8370, 8371, 8372), all doctoral students are required to complete two additional research courses (6 hours) in **quantitative or qualitative research methods** from the lists below, in consultation with their advisor.

Qualitative Methods

CUIN 8365 - Organizational Psychology in Health Science Education **Credit Hours: 3.0**
CUIN 8377 - Qualitative Inquiry in Education I **Credit Hours: 3.0**
CUIN 8378 - Qualitative Inquiry in Education II **Credit Hours: 3.0**
CUIN 8386 - Advanced Issues in Qualitative Research **Credit Hours: 3.0**
SAER 8320 - Ethnog Mthds Educ **Credit Hours: 3.0**

Survey Methods & Measurement

PHLS 8300 - Advanced Educational & Psychological Measurement **Credit Hours: 3.0**
PHLS 8327 - Longitudinal Data Analysis in Psy/Educ Research **Credit Hours: 3.0**

Quantitative Methods

PHLS 8321 - Structural Equation Modeling in Psychological and Educational Research **Credit Hours: 3.0**
PHLS 8322 - Intermediate Statistical Analysis in Psychological and Educational Research **Credit Hours: 3.0**
PHLS 8324 - Multivariate Analysis in Psychological and Educational Research **Credit Hours: 3.0**
SAER 8321 - Survey Mthds in Educ **Credit Hours: 3.0**

Program Evaluation

SAER 8370 - Program Eval Research **Credit Hours: 3.0**

Dissertation (6.0 hours)

CUIN 8399 - Doctoral Dissertation **Credit Hours: 3**

Academic Policies



University of Houston Academic Policies
About the College of Education

During the first term of the program, all PhD students will receive a reading list of articles and books that are considered required reading for the program. Students are responsible for studying the entire list before they apply for the qualifying examination. Specialization area will provide separate reading lists.

Qualifying Examination

The CUIIN doctoral qualifying examination is intended to assess the student's understanding of educational research methodologies, of the chosen field of study, and of how this chosen field is situated in the broader field of Curriculum and Instruction. It is also intended to assess the student's capacity to move into the dissertation phase of the program. The CUIIN doctoral qualifying examination will be offered only in the fall and spring terms.

Designing and Developing Educational Graphics Certificate

Education > Graduate Certificate Programs > Designing and Developing Educational Graphics Certificate

This program prepares professionals working in education or private industry who desire to enhance their ability to design, create, and evaluate educational multimedia.

Criteria include 12 graduate credit hours and program certificate requirements. The program area in the Department of Curriculum and Instruction.

For further information, please see <http://www.uh.edu/education/degree-programs/cuin-ldt-med/certifications/>.

Admission Requirements

Applicant checklist:

Online Application

A bachelor's or master's degree from an accredited institution with a GPA that reflects the ability to achieve a 3.0 GPA in graduate courses

Official transcripts showing degree conferral on file

Personal Statement

Resume or Curriculum Vitae

Additional international admission requirements are found at www.uh.edu/graduate-school/admissions/international-students/.

Please note that with the ApplyWeb application, all documents are uploaded in the application and are to be received by the University no later than the deadline. Applicants are required to submit official transcripts (electronically or by mail) to the University's Graduate School.

For details on the graduate application process, visit www.uh.edu/graduate-school/admissions/how-to-apply/.

Certificate Requirements

Credit hours required for this certificate: 12.0

In consultation with their advisor, students choose four courses (12 hours total) from the following:

CUIIN 7305 - Design, Development, & Evaluation of Presentations **Credit Hours: 3.0** (Online)

CUIIN 7358 - Educational Uses of Digital Storytelling **Credit Hours: 3.0** (Online)

CUIIN 7368 - Digital Imaging in Education **Credit Hours: 3.0** (Hybrid)



- CUIN 7376 - New Tools for Creating Online Educational Materials **Credit Hours: 3.0** (Online)
- CUIN 7389 - Digital Media **Credit Hours: 3.0** (Online)
- CUIN 7390 - Instructional Design **Credit Hours: 3.0** (Online)

Academic Policies

College Academic Policies

University of Houston Academic Policies

Designing and Developing Educational Multimedia Certificate

Education > Graduate Certificate Programs > Designing and Developing Educational Multimedia Certificate

This program prepares professionals working in education or private industry who desire to enhance their ability to design, create, and evaluate educational multimedia.

Criteria include 12 graduate credit hours and program certificate requirements. The program area in the Department of Curriculum and Instruction.

For further information please see <http://www.uh.edu/education/degree-programs/cuin-ldt-med/certifications/>.

Admission Requirements

Applicant checklist:

Online Application

A bachelor's or master's degree from an accredited institution with a GPA that reflects the ability to achieve a 3.0 GPA in graduate courses

Official transcripts showing degree conferral on file

Personal statement

Resume or curriculum vitae

Additional international admission requirements are found at www.uh.edu/graduate-school/admissions/international-students/

Please note that with the ApplyWeb application, all documents are uploaded in the application and are to be received by the University no later than the deadline. Applicants are required to submit official transcripts (electronically or by mail) to the University's Graduate School.

For details on the graduate application process, visit www.uh.edu/graduate-school/admissions/how-to-apply/.

Certificate Requirements

Credit hours required for this certificate: 12.0

In consultation with their advisor, students choose four courses from the following:

- CUIN 7305 - Design, Development, & Evaluation of Presentations **Credit Hours: 3.0** (Online)
- CUIN 7357 - Collaborative Development of Multimedia **Credit Hours: 3.0** (Must be taken with CUIN 7327) (Hybrid)
- CUIN 7358 - Educational Uses of Digital Storytelling **Credit Hours: 3.0** (Online)
- CUIN 7376 - New Tools for Creating Online Educational Materials **Credit Hours: 3.0** (Online)
- CUIN 7389 - Digital Media **Credit Hours: 3.0** (Online)



Academic Policies

College Academic Policies

University of Houston Academic Policies

Elementary Initial Certificate

Initial Teaching Certificate

The College of Education offers initial teacher certification programs for students who have bachelor's degrees in all undergraduate fields of specialization. See the list of elementary, secondary, and all-level initial certificates in the Undergraduate Studies catalog.

Students who have completed a bachelor's degree and who desire initial certification should apply for a deficiency plan. Selected courses that are required for initial certification may, with the approval of a graduate advisor, be applied toward a master's degree program. Consult the Teacher Education and Certification Office, 112 Farish Hall, (713) 743-5000, for information and assistance in selecting the appropriate deficiency plan program. Students requiring a deficiency plan may obtain an application from the Teacher Education and Certification Office.

The initial certification requirements are similar to those listed in the Undergraduate Studies catalog. In lieu of the student teaching requirement, students may qualify for an internship program or substitute two years of full-time teaching experience in a school accredited by the State Board for Educator Certification, at the level(s) for which they seek certification, and six semester hours of approved education courses.

Students entering teacher preparation programs after May 1, 1984, are required by state of Texas regulations to have passed the Texas Academic Skills Program prior to being admitted to teacher education. All required sections of this test must be passed before being admitted to the program. Admission criteria are listed in the Undergraduate Studies catalog and are prerequisite to taking the required professional development courses. For specific information about this test, students should call University Testing Services, (713) 743-5444. Graduates of teacher education programs after May 1, 1986, are required by state of Texas regulations to take the Examination for the Certification of Educators in Texas upon completion of the program.

Students who plan to pursue a teaching certification program should consult the Teacher Education and Certification Office, 112 Farish Hall, for information about admission requirements and course requirements. Full admission to the Teacher Education program is a prerequisite to enrollment in the beginning certification courses.

All teacher certification transactions, including professional certificates and endorsements, are made through the College of Education. Inquiries should be directed to the Teacher Education and Certification Office, or the appropriate department, University of Houston, Houston, Texas 77204- 5871.

Elementary Professional Certificate

Teaching (30 semester hours)

Students who currently have the Texas Provisional Teaching Certificate may be able to obtain a Professional Teaching Certificate simultaneously with the master's degree. The master's degree advisor can design a degree plan that will incorporate certification requirements. The program includes 12 hours of academic specialization, six hours of professional development, six hours in a resource area, and six hours of approved electives. Three years of acceptable teaching experience is a prerequisite for this certificate.



English as a Second Language Endorsement

Generic Special Education Initial Certificate

Initial Teaching Certificate

The College of Education offers initial teacher certification programs for students who have bachelor's degrees in all undergraduate fields of specialization. See the list of elementary, secondary, and all-level initial certificates in the Undergraduate Studies catalog.

Students who have completed a bachelor's degree and who desire initial certification should apply for a deficiency plan. Selected courses that are required for initial certification may, with the approval of a graduate advisor, be applied toward a master's degree program. Consult the Teacher Education and Certification Office, 112 Farish Hall, (713) 743-5000, for information and assistance in selecting the appropriate deficiency plan program. Students requiring a deficiency plan may obtain an application from the Teacher Education and Certification Office.

The initial certification requirements are similar to those listed in the Undergraduate Studies catalog. In lieu of the student teaching requirement, students may qualify for an internship program or substitute two years of full-time teaching experience in a school accredited by the State Board for Educator Certification, at the level(s) for which they seek certification, and six semester hours of approved education courses.

Students entering teacher preparation programs after May 1, 1984, are required by state of Texas regulations to have passed the Texas Academic Skills Program prior to being admitted to teacher education. All required sections of this test must be passed before being admitted to the program. Admission criteria are listed in the Undergraduate Studies catalog and are prerequisite to taking the required professional development courses. For specific information about this test, students should call University Testing Services, (713) 743-5444. Graduates of teacher education programs after May 1, 1986, are required by state of Texas regulations to take the Examination for the Certification of Educators in Texas upon completion of the program.

Students who plan to pursue a teaching certification program should consult the Teacher Education and Certification Office, 112 Farish Hall, for information about admission requirements and course requirements. Full admission to the Teacher Education program is a prerequisite to enrollment in the beginning certification courses.

All teacher certification transactions, including professional certificates and endorsements, are made through the College of Education. Inquiries should be directed to the Teacher Education and Certification Office, or the appropriate department, University of Houston, Houston, Texas 77204- 5871.

Initial Teaching Certificate

The College of Education offers initial teacher certification programs for students who have bachelor's degrees in all undergraduate fields of specialization. See the list of elementary, secondary, and all-level initial certificates in the Undergraduate Studies catalog.

Students who have completed a bachelor's degree and who desire initial certification should apply for a deficiency plan. Selected courses that are required for initial certification may, with the approval of a graduate advisor, be applied toward a master's degree program. Consult the Teacher Education and Certification Office, 112 Farish Hall, (713) 743-5000, for information and assistance in selecting the appropriate deficiency plan program. Students requiring a deficiency plan may obtain an application from the Teacher Education and Certification Office.

The initial certification requirements are similar to those listed in the Undergraduate Studies catalog. In lieu of the student teaching requirement, students may qualify for an internship program or substitute two years of full-time teaching experience in a school accredited by the State Board for Educator Certification, at the level(s) for which they seek certification, and six term hours of approved education courses.



Students entering teacher preparation programs after May 1, 1984, are required by state of Texas regulations to have passed the Texas Academic Skills Program prior to being admitted to teacher education. All required sections of this test must be passed before being admitted to the program. Admission criteria are listed in the Undergraduate Studies catalog and are prerequisite to taking the required professional development courses. For specific information about this test, students should call University Testing Services, (713) 743-5444. Graduates of teacher education programs after May 1, 1986, are required by state of Texas regulations to take the Examination for the Certification of Educators in Texas upon completion of the program.

Students who plan to pursue a teaching certification program should consult the Teacher Education and Certification Office, 112 Farish Hall, for information about admission requirements and course requirements. Full admission to the Teacher Education program is a prerequisite to enrollment in the beginning certification courses.

All teacher certification transactions, including professional certificates and endorsements, are made through the College of Education. Inquiries should be directed to the Teacher Education and Certification Office, or the appropriate department, University of Houston, Houston, Texas 77204- 5871.

Innovative Technologies in Health Science Education, Certificate

Education > Graduate Certificate Programs > Innovative Technologies in Health Science Education, Certificate

The Innovative Technologies in Health Science Education Certificate is designed to provide healthcare professionals with expertise that will aid them as educators facilitating student learning and as managers of education programs, including curriculum leadership and scholarly inquiry into teaching and learning. The courses in this certificate provide students with the knowledge and skills necessary to use innovative technology tools to design interactive and engaging instructional resources that can be used in their professional careers. Courses specifically focus on how create effective, educationally-sound, technology-based learning materials for use in training environments as well as to support the professional development of adult learners.

Students in this certificate program typically work in a wide variety of different vocations. They include physicians, dentists, nurse educators, healthcare administrators, family therapists and others who work in various healthcare fields in the Texas Medical Center, the Houston area and other locations in the state and region.

We anticipate that upon earning the certificate, many of our graduates will apply for the Master's degree program or seek new employment opportunities in academic healthcare institutions or other locations where they will have educational roles and responsibilities in instructional design, curriculum development, teaching and more.

For more information, please visit the Certificate in Integrating Innovative Technologies in Health Science Education program page.

Admission Requirements

The Certificate program is delivered completely online and is open to applicants who:

- are currently working or have worked at a healthcare institution, or in private practice, and
- have earned a baccalaureate degree with an overall Grade Point Average (GPA) of at least 2.6 for undergraduate coursework (A = 4.00).

Applicants with an overall GPA of less than 2.6 cannot be admitted. Since all coursework may be completed online, students in the Certificate program do not need to live in the Houston area or attend any face-to-face classes.

More specific information is online at: <http://medical.coe.uh.edu/admissions.htm>

Admissions applications must be submitted online through the UH Graduate School at <http://www.uh.edu/graduate-school/admissions/how-to-apply/>



Scanned copies of official transcripts can be uploaded as PDF files and may be used by programs to make admission decisions. Please follow the instructions online to properly scan and upload your transcript. If admitted, however, you will not be able to enroll without the official transcript(s) showing undergraduate degree conferral on file.
 Official transcript(s) should be sent to:

Regular Mail:	Express Mail:	Electronic or "Speede" Transcript
<i>University of Houston Graduate Admissions P.O. Box 3947 Houston, TX 77253-3947</i>	<i>University of Houston Graduate Admissions 4302 University Dr., Room 102 Houston, TX 77204-2012</i>	Within the U.S., the fastest way to send your transcript is electronically. Please inquire at your previous institution about this option. Electronic transcripts can be delivered to gradschool@uh.edu .

The Graduate Record Exam (GRE) is not required for admission to the Innovative Technologies in Health Science Education Certificate program.
 There is no application fees for this Certificate program.

Certificate Requirements

Credit hours required for this certificate: 12.0

Students in the Innovative Technologies in Health Science Education Certificate program take a total of four courses (12 credit hours) that provide hands-on experiences with a variety of software applications and instructional strategies. Instruction is provided by faculty in the Learning, Design & Technology (LDT) Program at the University of Houston.

Required Courses

3 credits, choose one from:

CUIN 7390 - Instructional Design **Credit Hours: 3.0**

OR

CUIN 7391 - Curriculum Development for Health Sciences Education **Credit Hours: 3.0**

Elective Choices

9 credits, choose three from:

CUIN 7305 - Design, Development, & Evaluation of Presentations **Credit Hours: 3.0**

CUIN 7308 - Educational Uses of CMC **Credit Hours: 3.0**

CUIN 7356 - Issues in Distance Education **Credit Hours: 3.0**

CUIN 7358 - Educational Uses of Digital Storytelling **Credit Hours: 3.0**

CUIN 7368 - Digital Imaging in Education **Credit Hours: 3.0**

CUIN 7376 - New Tools for Creating Online Educational Materials **Credit Hours: 3.0**

CUIN 7389 - Digital Media **Credit Hours: 3.0**

Academic Policies



Master Mathematics Teacher Professional Certificate

Grades 4-8 (15 Credit Hours To Complete)

This program prepares Master Mathematics Teachers to ensure there are teachers with special training to work with other teachers and with students in order to improve student mathematics performance. The program is structured to prepares candidates to be certified as master teachers and provides a candidate relevant experiences in a variety of educational settings with diverse student populations (Title 19, TAC §239.100). The practicum experience shall require a candidate to demonstrate proficiency in each of the applicable standards (Title 19, TAC §239.100).

Requirements include fifteen (15) graduate credit hours, a college certification plan, and state minimum and issuance criteria for certification (Title 19, TAC §239.102).

For further information, consult the Department of Curriculum and Instruction, 236 Farish Hall, 713-743-4950.

UH4-8MMT Curriculum: When and What

There are 5 graduate courses over 5 terms, including summer sessions. The summer sessions are typically the short summer sessions. The Fall and Spring term courses will either meet 3 hours, face-to-face, one evening a week or 3 hours every other week with asynchronous online activities. Master Mathematics Teacher Certification requires 160 Practicum Hours. These hours are embedded across the courses in activities such as video analyses, coaching and mentoring projects, professional development design and implementation, and proposal writing.

The five courses are:

CUIN 6397 - Selected Topics in C&I **Credit Hours: 3.00** (Developing Number Concepts)

CUIN 7333 - Developing Algebraic Thinking **Credit Hours: 3.0**

CUIN 6342 - Teaching Prob & Stats 6-12 Grd **Credit Hours: 3.0**

CUIN 6340 - Teaching Geometry and Measurement Grades 6-12 **Credit Hours: 3.0**

CUIN 7340 - Issues in Mathematics Education **Credit Hours: 3.0**

Master Reading Teacher Professional Certificate

PK - 12 Grade (30 Credit Hours To Complete)

This program prepares Master Reading Teachers ensuring there are teachers with special training to work with other teachers and with students in order to improve student reading performance. Master Reading Teachers may serve as a reading teacher mentor to other teachers and teach reading to students in Prekindergarten through Grade 12. Certification as a master teacher provides a candidate relevant experiences in a variety of educational settings with diverse student populations (Title 19, TAC §239.100). The practicum experience requires a candidate to demonstrate proficiency in each of the applicable standards (Title 19, TAC §239.100).

Criteria include thirty (30) graduate credit hours, a college certification plan, and state minimum and issuance requirements for certification (Title 19, TAC §239.101). The Master Reading Program requires a Master of Education (MEd), in Curriculum and Instruction, (Emphasis in Reading, Language Arts, and Literature Education) and Reading Specialist certificate for certification.



For additional information, consult the Department of Curriculum and Instruction, 236 Farish Hall, 713-743-4950.

Required Courses in Reading (15 Hours)

Courses in Literature Education (3 Hours)

ELED 7315 - Literature for Children **Credit Hours: 3.0**

OR

SEDE 7335 - Literature for Adolescents **Credit Hours: 3.0**

Studies in Linguistics (3 Hours)

CUIN 6317 - Ed Princ 2Nd Lang Acq **Credit Hours: 3.0**

Elective Courses

6 hours or 2 courses to be negotiated with your advisor.

Since degree plans change periodically, students will follow the degree plan that is in place at the time in which they complete an official, approved degree plan.

Master Technology Teacher Professional Certificate

12 Credit Hours To Complete

This program prepares Master Technology Teachers to ensure that there are teachers with special training to work with other teachers and with students in order to increase the use of technology in each classroom; helping school districts identify teachers with an expertise in technology integration and mentorship in technology skills. The program structure prepares candidates for certification as master teachers and provides a candidate relevant experiences in a variety of educational settings with diverse student populations (Title 19, TAC §239.100). The practicum experience requires a candidate to demonstrate proficiency in each of the applicable standards (Title 19, TAC §239.100).

Certification criteria include twelve (12) graduate credit hours, a college certification plan, and state minimum and issuance requirements for certification (Title 19, TAC §239.103).

For further information, consult the Department of Curriculum and Instruction, 236 Farish Hall, 713-743-4950.

Students need to complete these four courses (12 Hours Total):

CUIN 7328 - Technology in Teacher Educatn **Credit Hours: 3.0** (Created as needed, usually fall semester; online)

CUIN 7390 - Instructional Design **Credit Hours: 3.0** (Online)

Museum Education Certificate

The Museum Education Certificate capitalizes on Houston's community needs and assets. The University of Houston (UH) and the Museum District are rich cultural resources for residents. By forming a partnership, these institutions can more fully serve the communities they share.



Graduate students looking for engaging ways to expand their horizons will have opportunities to learn and teach in unique environments beyond the K-12 classroom.

Museum Education Certificate Goals:

Provide a unique set of experiences that expands understanding of museum pedagogy in the core disciplines of art, history, education, or the science

Link UH with the Houston Museum community to provide "real world" experience and expand professional networks and job opportunities

Activate understanding of community

Introduce models of non-profit, cultural, and other educational resources

Establish new career paths for students outside of traditional classroom settings that include museums, non-profit and cultural community organizations

Prepare educators to use museums as educational resources and/or work in an art, history, and/or science museum setting

For more information please view the Graduate Certificate in Museum Education webpage.

Admission Requirements

For details on the graduate application process, visit www.uh.edu/graduate-school/admissions/how-to-apply/.

Applicant checklist:

Online Application

A bachelor's or master's degree from an accredited institution with a GPA that reflects the ability to achieve a 3.0 GPA in graduate courses

Official transcripts showing degree conferral on file

Personal Statement

Resume or Curriculum Vitae

Additional International Admission Requirements are found at www.uh.edu/graduate-school/admissions/international-students/

Please note that with the ApplyWeb application, all documents are uploaded in the application and are to be received by the University no later than the deadline. Applicants are required to submit official transcripts (electronically or by mail) to the University's Graduate School.

Certificate Requirements

Credit hours required for this certificate: 15.0

The 15 hour **Museum Education Certificate** program includes a series of three core courses (9 hours) followed by a 6 hour internship. Core courses provide the foundation of museum education and include the history, theory, practice and application of museum education principles. The internship will be at a Houston art, history, or science museum, aligns with the students' area of interest, and is designed in collaboration with the host museum. Students are admitted in the fall term only and can complete their certificate by the end of following summer. Courses are taught by CUIN faculty in collaboration with museum partners.

Required Coursework

CUIN 6358 - Perspectives of Museum Education **Credit Hours: 3.0** (offered fall term)

CUIN 7302 - Community Education **Credit Hours: 3.0** (fall term)

CUIN 6359 - Museum Education Practice & Application II **Credit Hours: 3.0** (spring term)

CUIN 7692 - Internship **Credit Hours: 6.0** (summer term)



Academic Policies

University of Houston Academic Policies

College Academic Policies

Online Teaching and Learning Certificate

Education > Graduate Certificate Programs > Online Teaching and Learning Certificate

This program prepares professionals working in education or private industry who desire to enhance their ability to design, create, and evaluate online learning.

Requirements include 12 graduate credit hours and program certificate criteria. The program area is in the Department of Curriculum and Instruction.

For more information please see the Online Teaching and Learning webpage.

Admission Requirements

Applicant checklist:

Online Application

A bachelor's or master's degree from an accredited institution with a GPA that reflects the ability to achieve a 3.0 GPA in graduate courses

Official transcripts showing degree conferral on file

Personal Statement

Resume or Curriculum Vitae

Additional International Admission Requirements are found at www.uh.edu/graduate-school/admissions/international-students/

Please note that with the ApplyWeb application, all documents are uploaded in the application and are to be received by the University no later than the deadline. Applicants are required to submit official transcripts (electronically or by mail) to the University's Graduate School.

For details on the graduate application process, visit www.uh.edu/graduate-school/admissions/how-to-apply/.

Certificate Requirements

Credit hours required for this certificate: 12.0

In consultation with their advisor, students choose four courses from the following:

CUIN 7308 - Educational Uses of CMC **Credit Hours: 3.0** (Online)

CUIN 7316 - Design Online Educational Resources **Credit Hours: 3.0** (Online)

CUIN 7318 - Current Issues in Learning & Design **Credit Hours: 3.0** (Online)

CUIN 7356 - Issues in Distance Education **Credit Hours: 3.0** (Online)

CUIN 7376 - New Tools for Creating Online Educational Materials **Credit Hours: 3.0** (Online)

CUIN 7390 - Instructional Design **Credit Hours: 3.0** (Online)

Academic Policies



Professional Leadership - Health Science Education, EdD

College of Education > Department of Curriculum and Instruction > Professional Leadership - Health Science Education, EdD

The Executive Doctor of Education Degree (Ed.D.) in Professional Leadership with an Emphasis in Health Science Education prepares students for professional and administrative leadership positions in a variety of academic healthcare settings. The program provides intensive research and applied skills for students grappling with real-world educational needs and services in medicine, dentistry, nursing and other health-related areas. The design of the program emphasizes exploration, problem-solving and student collaboration in a variety of courses and research activities. A practical internship or Laboratory of Practice provides students with an avenue to apply the specifics of these problems to their course of study and research projects.

The multi-vocational model is a unique feature of the program that promotes inter-professional education and enhances networking between future healthcare professional leaders. The cohort design also ensures mutual encouragement and support with a low number of students able to complete the program. Physicians, dentists and nurse educators who work in the Texas Medical Center make up a majority of students in this program, however it may also be beneficial for researchers, program coordinators, residents, fellows and others interested in educational and/or leadership positions in academic healthcare settings.

We expect most of our graduates to seek positions in academic healthcare institutions or other locations where they will have leadership roles and responsibilities in several of the following areas:

- instructional design and curriculum development
- teaching
- program evaluation
- research design, data collection and analysis
- grant writing and assessment
- use of emerging technologies for teaching and learning

For more information, please visit the Executive Doctorate in Professional Leadership program page.

Admission Requirements

Applicants must possess a master's degree or higher, and are currently working, have worked, or are interested in working at a healthcare institution, or in private practice. All applicants must have earned a baccalaureate degree with an overall Grade Point Average (GPA) of at least 2.6 for undergraduate coursework (A = 4.00) and a master's degree with an overall GPA of at least 3.0 for master's level coursework.

Graduate Record Examination (GRE)

All applicants who have not already earned a terminal degree (such as an MD, DDS, PhD, etc.) are required to take the Graduate Record Exam (GRE), but there are no minimum scores required for admission. Applicants are expected to score at least at the 35th percentile of each section of the exam, however, GRE scores are just one measure we use to assess suitability for the program.

Admissions Decisions



Each applicant is treated on an individual basis and selected applicants will participate in one or more telephone or Skype interviews with the faculty admissions committee. Final admissions decisions are made by the faculty admissions committee that determines which applicants will be the best fit for this program.

Applying for Admission

Applications must be submitted online through the UH Graduate School menu, at <http://www.uh.edu/graduate-school/admissions/how-to-apply>

Scanned copies of official transcripts can be uploaded as PDF files and may be used by programs to make admission decisions. Please follow the instructions online to properly scan and upload your transcript. If admitted, however, you will not be able to enroll without the official transcript(s) showing undergraduate degree conferral on file.

Regular Mail:	Express Mail:	Electronic or "Speede" Transcript:
<p><i>University of Houston Graduate Admissions P.O. Box 3947 Houston, TX 77253-3947</i></p>	<p><i>University of Houston Graduate Admissions 4302 University Dr., Rm 102 Houston, TX 77204-2012</i></p>	<p>Within the U.S., the fastest way to send your transcript is electronically. Please inquire at your previous institution about this option. Electronic transcripts can be delivered via email to gradschool@uh.edu</p>

Applicants should request that official results of the Graduate Record Examination test scores be sent to the University of Houston Main Campus.

An admission fee of \$80 for a domestic application and \$75 fee for an international application must be submitted.

All applicants must also submit the following documents:

- Statement of Interest
- Resume or Curriculum Vitae
- Writing Sample
- Letters of Recommendation

Degree Requirements

Students in the program will complete a total of 17 courses over approximately 3 years, culminating in writing and defending a doctoral research thesis. Two courses are offered in the fall, spring and summer semesters. Face-to-face classes are held in the Texas Medical Center. These classes are typically held on Mondays and Thursdays from 5:00pm to 8:00pm. Summer classes are usually offered online. Additionally, there are short, intersession classes during the winter break and between the end of the spring and summer semesters.

Required Courses

Year 1

Fall Term

CUIN 8397 - Selected Topics in C&I **Credit Hours: 3**

Topic: Academic Writing for Doctoral Candidates



CUIN 8380 - Research Methods in CUIIN **Credit Hours: 3.0**

Fall Intersession

December - January

CUIN 8310 - Laboratory of Practice **Credit Hours: 3**

Spring Term

CUIN 7397 - Selected Topics in CUIIN **Credit Hours: 3**

Topic: Learning and Development

CUIN 8397 - Selected Topics in C&I **Credit Hours: 3**

Topic: Organizational Psychology

Spring Intersession

May

CUIN 8310 - Laboratory of Practice **Credit Hours: 3**

Summer Term

Odd-numbered years

CUIN 7305 - Design, Development, & Evaluation of Presentations **Credit Hours: 3.0**

CUIN 7389 - Digital Media **Credit Hours: 3.0**

Year 2

Fall Term

CUIN 8320 - C&I Doctoral Rsch Sem **Credit Hours: 3.0**

CUIN 8340 - Survey and Research in Early Childhood Education **Credit Hours: 3.00**

Fall Intersession

December - January

ELCS 8325 - Instnl Leadercurri&Prof Develop **Credit Hours: 3.0**

Spring Term

CUIN 8318 - Issues in Urban Education **Credit Hours: 3.0**

CUIN 8381 - Research Methods **Credit Hours: 3.0**

Summer Term



Even-numbered years

CUIN 7376 - New Tools for Creating Online Educational Materials **Credit Hours: 3.0**

CUIN 7356 - Issues in Distance Education **Credit Hours: 3.0**

Year 3

Fall and Spring Terms

CUIN 8390 - Doctoral Thesis **Credit Hours: 3**

Or Fall only

CUIN 8690 - Doctoral Thesis **Credit Hours: 6**

Other Program Requirements

In addition to the courses, students must also complete doctoral comprehensive exam portfolio, a doctoral candidacy paper and a five-chapter doctoral thesis.

The candidacy paper consists of the first two chapters of the doctoral thesis which are reviewed by a student's advisor and other members of a faculty thesis committee before being orally defended before the committee.

The Comprehensive Exam Portfolio consists of a series of artifacts that showcase curriculum, research, teaching, and other relevant professional competencies that students have attained from coursework and various academic experiences during their doctoral studies. These are the six required components of the Doctoral Comprehensive Examination Portfolio:

- Doctoral Comprehensive Examination Submission Form
- Goal Statement and Curriculum Vita
- Foundations of the Program
- Scholarship
- Teaching
- Professional Development

The doctoral thesis proposal consists of the first three chapters of the doctoral thesis which are reviewed by a student's advisor and other members of a faculty thesis committee before being orally defended before the committee.

The final doctoral thesis consists of the all five chapters of the doctoral thesis which are reviewed by a student's advisor and other members of a faculty thesis committee before being orally defended before the committee. Oral defenses of the candidacy paper, thesis proposal and final thesis take approximately 1 to 1 ½ hours each and are held in the Texas Medical Center or on the University of Houston campus.

Academic Policies

University of Houston Academic Policies

Upon admission to the Executive Doctoral Program in Professional Leadership with an Emphasis in Health Science Education, students will receive a copy of the Student Handbook. The Student Handbook provides an overview of program requirements, policy, rules, and regulations and is designed to facilitate students' progress toward the attainment of their degree. The purpose of the handbook is to supplement and clarify - not supersede - policies and procedures provided at the College of Education and the University of Houston level.



Professional Leadership - Literacy Education, EdD

College of Education > Department of Curriculum and Instruction > Professional Leadership - Literacy Education, EdD

The Executive EdD in Professional Leadership-Literacy Education is a 51-hour doctoral program focusing on research and applied skills for educators grappling with current issues in education in urban contexts. The program is designed to facilitate the knowledge, skills and dispositions needed for professional and instructional leadership in urban schools, community organizations, museums and related educational institutions. The program is designed as a cohort model with online, hybrid and flipped courses.

For more information, please visit the Executive EdD in Professional Leadership program page.

Admission Requirements

The College of Education takes into consideration a number of criteria when determining admission, including prior college or university performance, letters of recommendation, standardized test scores and statement of intent. All applicants must abide by the minimum qualifications for admissions to a masters or doctoral program. All graduate applicants (regardless of citizenship status) must demonstrate proficiency in English to obtain admission to the University. For more information, visit <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency>.

An applicant is responsible for ensuring that all required materials for the evaluation of admissions are received by the College before the program's deadline. If the application is not complete by the program's deadline, it will not be evaluated for the admissions. Full details of the online application process can be found at www.uh.edu/graduate-school/admissions/how-to-apply.

Applicant checklist

- Complete online graduate application including statement of interest, resume/c.v., writing sample, letters of recommendation, and application fee payment.

- Official transcripts from all previous college/university work sent to the UH Graduate School.

- Official reporting of GRE scores taken in the last five years

- International students have additional documentation requirements which can be found at www.uh.edu/graduate-school/admissions/international-students/

Grade Point Average Requirements

Admission requirements for the College of Education require a minimum cumulative grade point average (GPA) of 2.6 for undergraduate coursework or over the last 60 credit hours of coursework. The College requires a minimum cumulative grade point average (GPA) of 3.0 for graduate coursework. The College's admission committees evaluate all credentials submitted by applicants to determine a student's ability and potential to succeed in graduate study. In addition, the committee is interested in the applicant's potential to contribute to his/her program of study and the University community as a whole.

For more information, please visit the College of Education Graduate Admissions page.

Degree Requirements

Credit hours required for this degree: 51.0



Core

9 Credit Hours

CUIN 8318 - Issues in Urban Education **Credit Hours: 3.0**

TBA

Research

9 Credit Hours

CUIN 8380 - Research Methods in CUIN **Credit Hours: 3.0**

CUIN 8381 - Research Methods **Credit Hours: 3.0**

TBA

Specialization

12 Credit Hours

Leadership Courses

9 Credit Hours

TBA

Laboratory of Practice

6 Credit Hours

CUIN 8310 - Laboratory of Practice **Credit Hours: 3**

EdD Doctoral Thesis

6 Credit Hours

CUIN 8390 - Doctoral Thesis **Credit Hours: 3**

Academic Policies

University of Houston Academic Policies

Professional Leadership - Mathematics Education, EdD

College of Education > Department of Curriculum and Instruction > Professional Leadership - Mathematics Education, EdD



The EdD in Professional Leadership, with an emphasis in mathematics education, is a 51-hour program at University of Houston Sugarland providing research and applied skills for educators grappling with current issues in urban settings. The program is designed to facilitate the knowledge, skills and dispositions needed for instructional leadership in curriculum and instruction in urban schools, community organizations, museums and related educational institutions. The intent of the program is for graduates of this program to remain in educational settings as instructional leaders.

Graduates of the 51-hour EdD in Professional Leadership will typically pursue the following careers:

- Curriculum managers
- School department leads or heads
- Education directors for community agencies
- Higher education faculty
- District data collectors and evaluators

For more information, please visit the Executive Ed.D. Professional Leadership - Mathematics Education program page.

Admission Requirements

The College of Education takes into consideration a number of criteria when determining admission, including prior college or university performance, letters of recommendation, standardized test scores and statement of intent. All applicants must abide by the minimum qualifications for admissions to a masters or doctoral program. All graduate applicants (regardless of citizenship status) must demonstrate proficiency in English to obtain admission to the University. For more information, visit <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency>.

An applicant is responsible for ensuring that all required materials for the evaluation of admissions are received by the College before the program's deadline. If the application is not complete by the program's deadline, it will not be evaluated for the admissions. Full details of the online application process can be found at www.uh.edu/graduate-school/admissions/how-to-apply.

Applicant checklist:

- Complete online graduate application including statement of interest, resume/c.v., writing sample, letters of recommendation, and application fee payment.
- Official transcripts from all previous college/university work sent to the UH Graduate School.
- Official reporting of GRE scores taken in the last five years
- International students have additional documentation requirements which can be found at www.uh.edu/graduate-school/admissions/international-students/

Grade Point Average Requirements

Admission requirements for the College of Education require a minimum cumulative grade point average (GPA) of 2.6 for undergraduate coursework or over the last 60 credit hours of coursework. The College requires a minimum cumulative grade point average (GPA) of 3.0 for graduate coursework. The College's admission committees evaluate all credentials submitted by applicants to determine a student's ability and potential to succeed in graduate study. In addition, the committee is interested in the applicant's potential to contribute to his/her program of study and the University community as a whole.

For more information, please visit the College of Education Graduate Admissions page.

Degree Requirements



Credit hours required for this degree: 51.0

Core

9 Credit Hours

- CUIN 8318 - Issues in Urban Education **Credit Hours: 3.0**
- CUIN 8325 - Research in Math Education **Credit Hours: 3.0**
- PHLS 8345 - Adult Cognition and Learning **Credit Hours: 3.0**

Research

9 Credit Hours

- CUIN 8380 - Research Methods in CUIN **Credit Hours: 3.0**
- CUIN 8381 - Research Methods **Credit Hours: 3.0**
- EDRS 8383 - Action Research **Credit Hours: 3.0**

Specialization

12 Credit Hours

- CUIN 7332 - Teaching and Learning Math **Credit Hours: 3.0**
- CUIN 7340 - Issues in Mathematics Education **Credit Hours: 3.0**
- CUIN 8326 - Math Education Leadership & Coaching **Credit Hours: 3**
- CUIN 8346 - Teaching Mathematics and Science with Technology **Credit Hours: 3**

Cognate and Supporting Courses

9 Credit Hours

- CUIN 8366 - Academic Writing for Doctoral Candidates **Credit Hours: 3**
- ELCS 8340 - Organizatn & Admin Curriculum **Credit Hours: 3.0**
- ELCS 8356 - Program Policy Evaluation **Credit Hours: 3.0**

Laboratory of Practice

6 Credit Hours

- CUIN 8310 - Laboratory of Practice **Credit Hours: 3**

EdD Doctoral Thesis

6 Credit Hours

- CUIN 8690 - Doctoral Thesis **Credit Hours: 6**



Academic Policies

University of Houston Academic Policies

Professional Leadership - Social Studies/Social Education, EdD

College of Education > Department of Curriculum and Instruction > Professional Leadership - Social Studies/Social, EdD

The Executive EdD in Professional Leadership-Social Studies/Social Education is a 51-hour doctoral program focusing on research and applied skills for educators grappling with current issues in education in urban contexts. The program is designed to facilitate the knowledge, skills and dispositions needed for professional and instructional leadership in urban schools, community organizations, museums and related educational institutions. The program is designed as a cohort model with online, hybrid and flipped courses.

For more information, please visit Professional Leadership -Social Studies/Social Education, EdD program page.

Admission Requirements

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Applicant checklist

Complete online graduate application including statement of interest, resume/CV, writing sample, letters of recommendation, and application fee payment.

Official transcripts from all previous college/university work sent to the UH Graduate School.

Official reporting of GRE scores taken in the last five years

International students have additional documentation requirements which can be found at www.uh.edu/graduate-school/admissions/international-students/

Grade Point Average Requirements

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For more information, please visit the College of Education Graduate Admissions page.

Degree Requirements



Credit hours required for this degree: 51.0

Core Coursework

9 credit hours

CUIN 8318 - Issues in Urban Education **Credit Hours: 3.0**
TBA

Research Coursework

9 credit hours

CUIN 8380 - Research Methods in CUIN **Credit Hours: 3.0**
CUIN 8381 - Research Methods **Credit Hours: 3.0**
CUIN 8336 - Research in Social Education **Credit Hours: 3.0**

Specialization Coursework

12 credit hours

TBA

Leadership Coursework

9 credit hours

TBA

Laboratory of Practice

6 credit hours

CUIN 8310 - Laboratory of Practice **Credit Hours: 3**

EdD Doctoral Thesis

6 credit hours

CUIN 8390 - Doctoral Thesis **Credit Hours: 3**

Academic Policies

University of Houston Policies

Reading Specialist Professional Certificate



27 Credit Hours To Complete

This program leads to the Reading Specialist Professional Certificate and The Reading Specialist program prepares teachers to fill roles in regular or special classrooms, clinics, or administrative positions. A holder of the Reading Specialist Certificate issued under the provisions of this subchapter may teach reading to students in Prekindergarten-Grade 12 (Title 19, TAC §239.90).

Criteria include twenty-seven (27) graduate credit hours, a college certification plan, state minimum requirements (Title 19, TAC §239.91), and the state requirements for issuance of certification (Title 19, TAC §239.93). A Master of Education (MEd) in Curriculum and Instruction (Emphasis in Reading, Language Arts, and Literature Education) is required.

For more information, consult the Department of Curriculum and Instruction, 236 Farish Hall, 713-743-4950.

Required Courses in Reading (15 Hours)

Courses in Literature Education (3 Hours)

ELED 7315 - Literature for Children **Credit Hours: 3.0**

OR

SEDE 7335 - Literature for Adolescents **Credit Hours: 3.0**

Studies in Linguistics (3 Hours)

CUIN 6317 - Ed Princ 2Nd Lang Acq **Credit Hours: 3.0**

Elective Courses

6 hours or 2 courses to be negotiated with your advisor.

Since degree plans change periodically, students will follow the degree plan that is in place at the time in which they complete an official, approved degree plan.

Secondary Initial Certificate

Initial Teaching Certificate

The College of Education offers initial teacher certification programs for students who have bachelor's degrees in all undergraduate fields of specialization. See the list of elementary, secondary, and all-level initial certificates in the Undergraduate Studies catalog.

Students who have completed a bachelor's degree and who desire initial certification should apply for a deficiency plan. Selected courses that are required for initial certification may, with the approval of a graduate advisor, be applied toward a master's degree program. Consult the Teacher Education and Certification Office, 112 Farish Hall, (713) 743-5000, for information and assistance in selecting the appropriate deficiency plan program. Students requiring a deficiency plan may obtain an application from the Teacher Education and Certification Office.



The initial certification requirements are similar to those listed in the Undergraduate Studies catalog. In lieu of the student teaching requirement, students may qualify for an internship program or substitute two years of full-time teaching experience in a school accredited by the State Board for Educator Certification, at the level(s) for which they seek certification, and six semester hours of approved education courses.

Students entering teacher preparation programs after May 1, 1984, are required by state of Texas regulations to have passed the Texas Academic Skills Program prior to being admitted to teacher education. All required sections of this test must be passed before being admitted to the program. Admission criteria are listed in the Undergraduate Studies catalog and are prerequisite to taking the required professional development courses. For specific information about this test, students should call University Testing Services, (713) 743-5444. Graduates of teacher education programs after May 1, 1986, are required by state of Texas regulations to take the Examination for the Certification of Educators in Texas upon completion of the program.

Students who plan to pursue a teaching certification program should consult the Teacher Education and Certification Office, 112 Farish Hall, for information about admission requirements and course requirements. Full admission to the Teacher Education program is a prerequisite to enrollment in the beginning certification courses.

All teacher certification transactions, including professional certificates and endorsements, are made through the College of Education. Inquiries should be directed to the Teacher Education and Certification Office, or the appropriate department, University of Houston, Houston, Texas 77204- 5871.

Secondary Professional Certificate

Teaching (30 semester hours)

Students who currently have the Texas Provisional Teaching Certificate may be able to obtain a Professional Teaching Certificate simultaneously with the master's degree. The master's degree advisor can design a degree plan that will incorporate certification requirements. The program includes 12 hours of academic specialization, six hours of professional development, six hours in a resource area, and six hours of approved electives. Three years of acceptable teaching experience is a prerequisite for this certificate.

Severe/Profound Handicaps Endorsement

Specializations in Severely Handicapped Education, Severe Emotional Disturbance and Autism, Special Education Supervision, and Hospital Homebound Instruction can be pursued on an individual basis. Students applying for specialty certificates must first satisfy the requirements for Generic Special Education. Students who wish to work toward one or more of the endorsement/certification programs may include program requirements in the elective or required areas of their degree plans.

Severely Emotionally Disturbed and Autistic Endorsement

Specializations in Severely Handicapped Education, Severe Emotional Disturbance and Autism, Special Education Supervision, and Hospital Homebound Instruction can be pursued on an individual basis. Students applying for specialty certificates must first satisfy the requirements for Generic Special Education. Students who wish to work toward one or more of the endorsement/certification programs may include program requirements in the elective or required areas of their degree plans.

Severely Handicapped Education Certificate



Specializations in Severely Handicapped Education, Severe Emotional Disturbance and Autism, Special Education Supervision, and Hospital Homebound Instruction can be pursued on an individual basis. Students applying for specialty certificates must first satisfy the requirements for Generic Special Education. Students who wish to work toward one or more of the endorsement/certification programs may include program requirements in the elective or required areas of their degree plans.

Special Education Counselor Professional Certificate

Individuals seeking certification as special education counselors must be formally admitted for graduate studying in both the Counseling and Special Education Programs. All the requirements for a counseling certificate as well as the requirements for a special education certificate must be completed successfully. The combined requirements for obtaining these two credentials are approximately 60 term hours.

Teaching Professional Certificate

Teaching (30 semester hours)

Students who currently have the Texas Provisional Teaching Certificate may be able to obtain a Professional Teaching Certificate simultaneously with the master's degree. The master's degree advisor can design a degree plan that will incorporate certification requirements. The program includes 12 hours of academic specialization, six hours of professional development, six hours in a resource area, and six hours of approved electives. Three years of acceptable teaching experience is a prerequisite for this certificate.

Texas Standard Principal Professional Certificate

Principal (36 semester hours)

This program prepares graduate students who have teacher's certificates and teaching experience for employment as assistant principals, principals, directors, coordinators, assistant superintendents, or other positions requiring leadership preparation. Students may concurrently pursue both this program and the master's in educational administration and supervision. If a student already holds the MEd, he or she may pursue the program as a Non-degree Objective (NDO) graduate student.

Required courses include the following: 9 hours of core courses in administration; 24 hours of major course work in areas such as interpersonal communication, instructional supervision, finance school leadership, education law, and policy. In addition, a 3 hour internship in an educational setting is required. Two years of acceptable teaching experience is a prerequisite for this certificate.

For further information, consult the Department of Educational Leadership and Cultural Studies, 401 Farish Hall, (713) 743-5030.

Department of Psychological, Health, and Learning Sciences

Chair: Lorraine R. Reitzel

The Department of Psychological, Health, and Learning Sciences offers graduate programs at the master and doctoral levels preparing students to understand the conceptual base of theories, research, and methods of psychology and to apply these fields of study to the processes of education and human development. Though differing in focus, all programs emphasize preparing students to be competent in the academic and professional aspects of psychological, health, and learning sciences. Students pursue professional competence through course work, seminars, supervised research, practice, and internship experiences.



Academic Programs:

Master of Education (MEd)

This degree program has the following areas of specialization:

Counseling

The master's degree program in counseling brings together the theoretical and applied principles of educational psychology essential to the counseling relationship, and prepares students to work as professional counselors in public and private schools, community agencies, and college counseling centers.

Doctor of Philosophy (PhD)

This degree program has the following areas of specialization:

Counseling Psychology

Accredited by the American Psychological Association, the Doctor of Philosophy program in Counseling Psychology and adheres to a scientist-practitioner training model. The program emphasizes the theory, research, and practice of working with normal populations from a broadly defined ecological developmental perspective. Graduates obtain faculty positions in colleges and universities; provide counseling supervision and consultation services in a variety of mental health settings; and serve as supervisors, program coordinators, and direct service providers in school districts. Students participate in a variety of training experiences including at least two semesters of practicum and a full-year, full-time, pre-doctoral internship approved by the faculty. Graduates of the Counseling Psychology program typically meet the academic requirements to apply for licensure as a psychologist in the state of Texas. Licensure requirements vary by state and may change without notifications. Students should ensure their individual degree plans concur with their credentialing expectation.

Measurement, Quantitative Methods and Learning Sciences

The Doctor of Philosophy in Measurement, Quantitative Methods and Learning Sciences prepares students for employment as faculty members at colleges and universities. Graduates also find employment as directors of educational components of health care institutions and social service agencies. Typically, these students develop an individually tailored PhD program emphasizing theory and research in one or more areas related to measurement and statistics.

School Psychology

Accredited by the American Psychological Association and adhering to a scientist-practitioner training model, the School Psychology program develops professional school psychologists. Graduates engage in applied research and apply critical analysis and inquiry to identify, select, implement, and evaluate evidence-based practices with sensitivity to cultural and linguistic considerations, and in consideration of diverse client preferences. Embedded throughout the training experience, sensitivity to diversity issues becomes an essential tool, in part because the UH is one of the most culturally and linguistically diverse research institutions in the nation.

Varied practicum placements provide opportunities in more than a dozen school districts, specialized assessment and intervention clinics at the Texas Children's Hospital (e.g., Disruptive Behavior Disorders and ADHD, Autism Spectrum Disorders, Pediatric Neuropsychology, Pediatric Neurology, Developmental-Behavioral Pediatrics), the Behavioral Pediatrics Neuro-oncology Clinic at the M.D. Anderson Children's Cancer Hospital, and in other settings within the Houston area. These settings provide opportunities for students to obtain supervised experience with diverse populations, conditions, professionals, settings, and procedures as they matriculate through the program. Program graduates typically meet requirements for licensure in Texas as a licensed psychologist.

Counseling Psychology, PhD



Accredited by the American Psychological Association since 1987, the Counseling Psychology doctoral program trains psychologists to become health service psychologists and psychological researchers. Through our challenging curriculum and supportive student environment, it is our goal to develop psychologists who are skilled in the practical practice of psychology, produce graduates who have a solid foundation of psychological science, and produce graduates who display ethical behavior and professionalism.

The program offers the preparation necessary for students to apply for licensure as psychologists in Texas and other states and provinces. Our graduates are employed in settings such as hospitals, colleges and university psychology departments, university and college counseling centers, community agencies, clinics, private practice, and K-12 schools.

For more information, please see <http://uh.edu/education/degree-programs/counseling-psyc-phd/>.

Admission Requirements

See also: University Admission Requirements

The College of Education takes into consideration a number of criteria when determining admission, including prior college or university performance, letters of recommendation, standardized test scores, and statement of intent. All applicants must abide by the minimum qualifications for admissions to a master's or doctoral program.

All graduate applicants (regardless of citizenship status) must demonstrate proficiency in English to obtain admission to the University. For more information, visit <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency/>.

An applicant is responsible for ensuring that all required materials for the evaluation of admissions are received by the College before the program's deadline. If the application is not complete by the program's deadline, it will not be evaluated for the admissions.

Full details of the online application process can be found at www.uh.edu/graduate-school/admissions/how-to-apply.

Applicant checklist:

- Complete online graduate application including statement of interest, resume/CV, writing sample, letters of recommendation, and application fee payment.

- Official transcripts from all previous college/university work sent to the UH Graduate School.

- The GRE requirement is waived for applicants to the Ph.D. in Counseling Psychology program who have at least one of the following from an institution accredited by one of the six regional accrediting associations as specified in the UH Minimum Qualifications for Admission to Masters and Doctoral Programs (General Admission Policy):
 - an overall undergraduate grade point average of 3.00 or higher (on a 4-point scale), or
 - a master's or terminal degree.

- International students have additional documentation requirements that can be found at www.uh.edu/graduate-school/admissions/international-students/.

Grade Point Average Requirements: Admission requirements for the College of Education require a minimum cumulative grade point average (GPA) of 2.6 for undergraduate coursework or over the last 60 credit hours of coursework. The College requires a minimum cumulative grade point average (GPA) of 3.0 for graduate coursework. Typical students admitted to the Counseling Psychology doctoral program usually have higher GPAs than the College minimums. The College's admission committees evaluate all credentials submitted by applicants to determine a student's ability and potential to succeed in graduate study. In addition, the committee is interested in applicants' potential to contribute to their program of study and the University community as a whole.

Degree Requirements

Program Total Credit Hours Required: Minimum 89.0 (Minimum 104.0 with Emphasis)



The PhD in Counseling Psychology requires no less than four years of full time study and the completion of all required coursework, candidacy research project, comprehensive examination, practicum, dissertation, and pre-doctoral internship. Beyond the required curriculum, students may pursue additional coursework within the Department of Psychological, Health, and Learning Sciences and the Department of Psychology with the consent of their advisor/faculty related to their individual research interests and career goals.

Foundational Courses

18.0 Credit Hours

Required Courses

(12.0 Credit Hours)

PHLS 6330 - Human Growth-Development **Credit Hours: 3.0**

PHLS 7317 - Cognitive and Affective Bases of Behavior **Credit Hours: 3.0**

PHLS 8351 - Hist & Philosophy of Psyc Syst **Credit Hours: 3.0**

PHLS 8364 - Professional Practice in Psyc: Ethics, Law, & Professional Issues **Credit Hours: 3.0**

Select from the Following:

(3.0 Credit Hours)

PSYC 6308 - Foundations of Neuropsychology **Credit Hours: 3.0**

PSYC 7342 - Bio Bases of Behav **Credit Hours: 3.0**

Select from the Following:

(3.0 Credit Hours)

PSYC 6338 - Fndtns of Social Psyc **Credit Hours: 3.0**

PSYC 8397 - Selected Topics in Psychology **Credit Hours: 3.0**

Topic: Theories and Research in Social and Personality Psychology

Research Design, Statistics, and Measurement Courses

Minimum 24.0 Credit Hours

Statistics and Measurement

Required Courses:

(15.0 Credit Hours)

Research Design and Statistics

(12.0 Credit Hours)



PHLS 8302 - Research Methods in Psychological and Educational Research **Credit Hours: 3.0**
PHLS 8319 - Inferential Statistics in Psychological and Educational Research **Credit Hours: 3.0**
PHLS 8322 - Intermediate Statistical Analysis in Psychological and Educational Research **Credit Hours: 3.0**
PHLS 8324 - Multivariate Analysis in Psychological and Educational Research **Credit Hours: 3.0**

Select from the Following:

(3.0 Credit Hours)

PHLS 8300 - Advanced Educational & Psychological Measurement **Credit Hours: 3.0**

Candidacy Research

Minimum 3.0 Credit Hours

PHLS 7398 - Candidacy Research **Credit Hours: 3.0**

Doctoral Dissertation

Minimum 6.0 Credit Hours

Students must enroll in at least three hours of dissertation credits the term they defend their dissertation proposal. Once students enroll in dissertation credits, they must continuously enroll for a minimum of three credits of dissertation every subsequent Fall and Spring term, until the dissertation is completed (final defense). Summer enrollment in dissertation credits is required only if during the summer months the student conducts the dissertation's proposal or final defense or actively engages in dissertation work involving the use of universities facilities.

PHLS 8399 - Doctoral Dissertation **Credit Hours: 3**

Counseling Psychology Specialty Courses

Minimum 41.0 Credit Hours

The Program's curriculum includes a series of courses developmentally sequenced to help students gain knowledge in the core foundations of psychology as well as in the specialty discipline of Counseling Psychology. Some students need to complete master's-level prerequisite courses (i.e., "leveling" courses). Prior to their first term in the Program, advisors notify students with a master's degree of any prerequisite "leveling" courses they need to complete, based on a review of their degree transcript. All students accepted directly from the Bachelor's degree need to complete the leveling master's-level courses described below. Even though students do not need to complete all leveling courses prior to taking doctoral-level courses, students are expected to complete master's-level coursework prior to enrolling in doctoral-level coursework in the same area.

Master's-Level Courses (Leveling Courses)

Credit Hours Requirement Varies

PHLS 6325 - Theories of Counseling **Credit Hours: 3.0**
PHLS 6335 - Intro To Grp Couns Thry **Credit Hours: 3.0**
PHLS 6345 - Atypical Growth & Behavior **Credit Hours: 3.0**
PHLS 6391 - Counseling Methods and Techniques **Credit Hours: 3**



Doctoral-Level Courses

27.0 Credit Hours

- PHLS 7330 - Adv Thrys of Counseling **Credit Hours: 3.0**
- PHLS 8305 - Supervisin in Counseling **Credit Hours: 3.0**
- PHLS 8334 - Research Counseling Psychology **Credit Hours: 3.0**
- PHLS 8337 - Multicul Iss Coun Psych **Credit Hours: 3.0**
- PHLS 8339 - Sem in Career Coun **Credit Hours: 3.0**
- PHLS 8341 - Professional Seminar **Credit Hours: 3.0**
- PHLS 8347 - Assessment of Cognitive Abilities **Credit Hours: 3.0**
- PHLS 8349 - Advanced Psyc Assessment II **Credit Hours: 3.0**
- PHLS 8357 - Clinical Interventions in Counseling Psychology **Credit Hours: 3.0**

Clinical Training

14.0 Credit Hours

Counseling Psychology doctoral students receive clinical training primarily through practicum experiences and a pre-doctoral internship. Students are required to enroll in PHLS 8393 every term (Fall, Spring, and Summer) they participate in practicum. During the internship year, enrollment in PHLS 8193 is mandatory during the Fall and Spring terms only.

- PHLS 8393 - Doctoral Practicum in Psy **Credit Hours: 3.0** 12.0 hours required (minimum of two years)
- PHLS 8193 - Internship in Psychology **Credit Hours: 1.0** 2.0 hours required (1.0 credit each semester)

Counseling Psychology: Health Psychology Emphasis/Minor

15.0 Credit Hours

Students may choose to add an optional Health Psychology Emphasis/Minor to their coursework. Eligibility to add this emphasis/minor includes the completion of nine (9.0) credit hours of didactic coursework as well as two (2) terms of practicum (i.e., 6.0 credit hours) in the area of health psychology.

Health Psychology Required Courses

6.0 Credit Hours

- PHLS 8306 - Health Psychology Research, Prevention, & Interventions **Credit Hours: 3.0**
- PHLS 8307 - Health Disparities **Credit Hours: 3.0**

Interdisciplinary Perspectives on Health and Chronic Disease Elective

3.0 Credit Hours

- PHLS 8309 - Gene by Environment (GxE) Determinants of Health **Credit Hours: 3.0**
- PHLS 8308 - Stress and Drug Abuse: Research & Health Outcomes **Credit Hours: 3.0**
- PHLS 6322 - Dimensions in Women's Health **Credit Hours: 3.0**
- PHLS 7300 - Program Evaluation in Health **Credit Hours: 3.0**
- PHLS 7306 - Health Disparities **Credit Hours: 3.0**



PHLS 7324 - Cancer Education **Credit Hours: 3.0**

PHLS 7325 - Cross-Cultural Aspects of Health **Credit Hours: 3.0**

Practicum Experiences in the area of Health Psychology

6.0 Credit Hours

Eligibility to add the Health Psychology Emphasis includes the completion of two (2) semesters of practicum in the area of health psychology, in addition to the coursework described above. Please note, no additional practica above and beyond the existing requirements are required for the Health Psychology Emphasis (i.e., it is only necessary that the student pursuing this option demonstrate completion of two semesters of practicum in a health-related setting among the 12 credit hours of practicum required for the degree). To clarify further, these two semesters are not included in the 12-credit hour requirement for completion of the track, since students are required to complete practicum experiences as part of their doctoral training.

Academic Policies

University of Houston Academic Policies

College Academic Policies

Counseling Psychology Practicum

Enrollment in several terms of practicum and the year of pre-doctoral internship constitute the formally organized clinical training experiences in the Counseling Psychology Program. Students are typically required to complete a minimum of 2 years of practicum (12.0 Credit Hours of PHLS 8393). However, students who enter the program with a master's degree may choose to complete only 1 year of practicum (6.0 Credit Hours), although many students choose to go beyond this requirement because of the competitiveness of internship.

Annual Review

The program's faculty conducts an annual review of the student's progress and provides the student with written feedback regarding this evaluation. With the exception of students whose graduation is imminent, all currently enrolled students (including those who are on internship) are required to participate in the annual review.

Program Completion Time Limits

Students must complete their programs within 10 years of their term of first enrollment. Students who are beyond their 7th year in the program are considered to be making unsatisfactory progress; therefore, as part of the annual review process, students in the seventh year or beyond must provide their advisors and the Director of Training a detailed timeline for completing their remaining work.

Counseling Psychology Pre-Doctoral Internship

The pre-doctoral internship year in counseling psychology represents the capstone clinical experience for students in the Program. During this year, students work full time (2,000 hours) as paid psychology interns in an approved professional setting where they receive regular supervision. Students are required to apply to APA-accredited internship sites as these programs regularly engage in the pre-doctoral training of counseling psychologists and meet all expected standards of training quality.

Counseling, MEd



Welcome

The Masters of Education in Counseling program prepares students for careers as a professional counselor. Many of our students will pursue a national licensure to become a licensed professional counselor (LPC) post-graduation. The program's faculty is dedicated to providing graduates a deep understanding of counseling knowledge, skills and techniques. Graduates will gain an understanding and awareness of the role and influence professional counselors plays in our communities. At the University of Houston, we prepare graduates to providing services for a diverse and ever-changing population, while preparing them for the future of our technology driven society and profession. As our program moves toward national accreditation we value a rich education experience that lays the foundation for professional and personal enrichment. We now conveniently offered a variety of face-to-face, hybrid and online courses that are offered at the UH Main campus and Sugar Land campus.

What should I expect?

We are a 60 credit hour program (20 classes) to be completed in three years. We only accept candidates in the fall term. Our curriculum consists of three Field experience courses, one practicum course and two internship experiences. As candidates move through the program, faculty will offer consistent skill development feedback, clinical practice and professional development opportunities.

What will I learn?

- Counseling theories, skills, and techniques for diverse populations with various counseling issues or needs
- Understanding and awareness of the role and influence of the counselor in providing services to diverse cultural, ethnic, religious, gendered and social populations
- Knowledge of legal, ethical, and moral responsibilities related to the practice of professional or school counseling
- Application of relevant empirical research to broaden knowledge of delivery and counseling services
- Understanding and knowledge of effective and appropriate assessment and evaluation of clients or students in placements and delivery of intervention

What can I do with my degree?

Alumni find employment in diverse settings, including:

- K-12 schools
- Community Colleges and Universities
- Mental and health care facilities
- College Counselor
- Community Agency Counselor
- Probation Counselor
- Career Counselor
- Employee Assistance Program Counselor

For more information, please visit the Master of Education in Counseling web page: <http://www.uh.edu/education/degree-programs/counseling-med/>.

Admission Requirements

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proficiency in English to obtain admission to the University. For more information, visit www.uh.edu/graduate-school/admissions/international-students/english-proficiency/.

An applicant is responsible for ensuring that all required materials for the evaluation of admissions are received by the College before the program's deadline. If the application is not complete by the program's deadline, it will not be evaluated for admissions. Full details of the online application process can be found at www.uh.edu/graduate-school/admissions/how-to-apply.

Applicant Checklist:

Complete online graduate application including a statement of interest, resume/C.V., letters of recommendation, and application fee payment.

Official transcripts from all previous college/university work sent to the UH Graduate School

International students have additional documentation requirements which can be found here: <http://www.uh.edu/graduate-school/international-students/>

Grade Point Average Requirements

Admission requirements for the College of Education require a minimum cumulative grade point average (GPA) of 2.6 for undergraduate coursework or over the last 60 credit hours of coursework. The College requires a minimum cumulative grade point average (GPA) of 3.0 for graduate coursework. The College's admission committees evaluate all credentials submitted by applicants to determine a student's ability and potential to succeed in graduate study. In addition, the committee is interested in the applicant's potential to contribute to his/her program of study and the University community as a whole.

For more information, please visit the Admission Application Instructions web page: <http://www.uh.edu/education/admissions/graduate/admission-app-instructions/>.

Degree Requirements

Credit hours required for Clinical Mental Health plan: 60.0; School Counseling plan: 48.0

Clinical Mental Health Counseling

20 Courses

First Year

Fall

PHLS 6325 - Theories of Counseling **Credit Hours: 3.0**

PHLS 6311 - Introduction to Counseling **Credit Hours: 3.0**

PHLS 6330 - Human Growth-Development **Credit Hours: 3.0**

Spring

PHLS 6370 - Intro To Cross-Cultural Cslng **Credit Hours: 3.0**

PHLS 6391 - Counseling Methods and Techniques **Credit Hours: 3**



PHLS 6352 - Assessmnt in Educ Psych **Credit Hours: 3.0**

Summer

PHLS 6310 - Intro To Educ Research **Credit Hours: 3.0**

PHLS 6335 - Intro To Grp Couns Thry **Credit Hours: 3.0**

Second Year

Fall

PHLS 6345 - Atypical Growth & Behavior **Credit Hours: 3.0**

PHLS 6324 - Addictions Counseling **Credit Hours: 3.0**

PHLS 6343 - Ethical Legal Issues in Counsl **Credit Hours: 3.0**

Spring

PHLS 6315 - Career Counseling **Credit Hours: 3.0**

PHLS 6323 - Psychopathology **Credit Hours: 3.0**

PHLS 6312 - Crisis Counseling **Credit Hours: 3.0**

Summer

PHLS 7301 - Practicum **Credit Hours: 3.0**

Third Year

Fall

PHLS 7302 - Internship I **Credit Hours: 3.0**

PHLS 7375 - Intro To Family Counsl **Credit Hours: 3.0**

Optional Elective

Spring

PHLS 7303 - Internship II **Credit Hours: 3.0**

PHLS 6313 - Professional Orientations & Advanced Ethics **Credit Hours: 3.0** ONLINE

Optional Elective

Notes

*student can take electives during any semester with less than 9 credit hours

*students are required to take 1 elective (20 classes total for graduation)

School Counseling



16 Courses

First Year

Fall

PHLS 6325 - Theories of Counseling **Credit Hours: 3.0**

PHLS 6311 - Introduction to Counseling **Credit Hours: 3.0**

PHLS 6330 - Human Growth-Developmnt **Credit Hours: 3.0**

Spring

PHLS 6370 - Intro To Cross-Cultural Cslng **Credit Hours: 3.0**

PHLS 6391 - Counseling Methods and Techniques **Credit Hours: 3**

PHLS 6352 - Assessmnt in Educ Psych **Credit Hours: 3.0**

Summer

PHLS 7326 - Counseling in the Schools **Credit Hours: 3.0 ***

PHLS 6335 - Intro To Grp Couns Thry **Credit Hours: 3.0**

Second Year

Fall

PHLS 6345 - Atypical Growth & Behavior **Credit Hours: 3.0**

PHLS 6343 - Ethical Legal Issues in Counsl **Credit Hours: 3.0**

PHLS 7375 - Intro To Family Counsl **Credit Hours: 3.0**

Spring

PHLS 7327 - Counseling Children **Credit Hours: 3.0 ***

PHLS 6315 - Career Counseling **Credit Hours: 3.0**

PHLS 6312 - Crisis Counseling **Credit Hours: 3.0**

Third Year

Fall

PHLS 6393 - Practicum **Credit Hours: 3.0**

Internship 300hrs

Optional Elective

Spring

PHLS 6393 - Practicum **Credit Hours: 3.0**



Internship 300hrs
Optional Elective

Notes

*optional electives are just if needed for Full- Time Status but not required

* School Counseling ONLY has the option to move up the Internship I & II

DUAL DEGREE PLAN - School Counseling & Clinical Mental Health Track

66.0 Credit Hours, 22 Courses

First Year

Fall

PHLS 6325 - Theories of Counseling **Credit Hours: 3.0**
PHLS 6311 - Introduction to Counseling **Credit Hours: 3.0**
PHLS 6330 - Human Growth-Developmnt **Credit Hours: 3.0**

Spring

PHLS 6370 - Intro To Cross-Cultural Cslng **Credit Hours: 3.0**
PHLS 6391 - Counseling Methods and Techniques **Credit Hours: 3**
PHLS 6352 - Assessmnt in Educ Psych **Credit Hours: 3.0**

Summer

PHLS 6310 - Intro To Educ Research **Credit Hours: 3.0**
PHLS 6335 - Intro To Grp Couns Thry **Credit Hours: 3.0**
PHLS 7326 - Counseling in the Schools **Credit Hours: 3.0 ***

Second Year

Fall

PHLS 6345 - Atypical Growth & Behavior **Credit Hours: 3.0**
PHLS 6324 - Addictions Counseling **Credit Hours: 3.0**
PHLS 6343 - Ethical Legal Issues in Counsl **Credit Hours: 3.0**

Spring

PHLS 6315 - Career Counseling **Credit Hours: 3.0**
PHLS 6323 - Psychopathology **Credit Hours: 3.0**
PHLS 6312 - Crisis Counseling **Credit Hours: 3.0**



PHLS 7327 - Counseling Children **Credit Hours: 3.0 ***

Summer

PHLS 7301 - Practicum **Credit Hours: 3.0**

Third Year

Fall

PHLS 7302 - Internship I **Credit Hours: 3.0**

School Counseling Internship/Practicum 200hrs (SU, Fall or Sp Term) *

PHLS 7375 - Intro To Family Counsl **Credit Hours: 3.0**

Spring

PHLS 7301 - Practicum **Credit Hours: 3.0**

PHLS 6313 - Professional Orientations & Advanced Ethics **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies

College Academic Policies

General Ethics Principles Guide

Educational Diagnostician Professional Certificate

42 Credit Hours To Complete

This program prepares Educational Diagnostician to counsel students and consult with teachers and parents concerning the best interests for the child.

The educational diagnostician

understands and applies knowledge of the purpose, philosophy, and legal foundations of evaluation and special education;

understands and applies knowledge of ethical and professional practices, roles, and responsibilities;

develops collaborative relationships with families, educators, the school, the community, outside agencies, and related service personnel;

understands and applies knowledge of student assessment and evaluation, program planning, and instructional decision making;

knows eligibility criteria and procedures for identifying students with disabilities and determining the presence of an educational need;

selects, administers, and interprets appropriate formal and informal assessments and evaluations

understands and applies knowledge of ethnic, linguistic, cultural, and socioeconomic diversity and the significance of student diversity for evaluation, planning, and instruction; and

knows and demonstrates skills necessary for scheduling, time management, and organization (Title 19, TAC §239.83).

The holder of the Educational Diagnostician Certificate issued under the provisions of this subchapter may serve as an educational diagnostician, including providing educational assessment and evaluation, as required by the Individuals with Disabilities Education Act (IDEA) or other applicable law, for students from Early Childhood-Grade 12 (Title 19, TAC §239.80).



Requirements include forty-two (42) graduate credit hours, a college certification plan, state minimum criteria (Title 19, TAC §239.81), and the state requirements for issuance of certification (Title 19, TAC §239.84). This program requires a Master of Education in Special Populations.

For additional information, consult the Department of Psychological, Health, and Learning Sciences, 491 Farish Hall, (713) 743-9830.

Measurement, Quantitative Methods, and Learning Sciences, PhD

The Doctor of Philosophy in Measurement, Quantitative Methods, and Learning Sciences prepares students for employment as faculty members at colleges and universities. Graduates also find employment in areas such as directors of educational components of health care institutions and social service agencies. Typically, these students develop an individually tailored Ph.D. program which emphasizes theory and research in one or more areas related to learning and development, special populations, higher education, health education and/or measurement and statistics.

Originally named the Ph.D. Educational Psychology and Individual Differences, the Ph.D. program in Measurement, Quantitative Methods, & Learning Sciences continues to represent core elements of the definition of Educational Psychology, which includes "Instruction in learning theory, human growth and development, and research methods, and psychological evaluations" (according to IPEDS [Integrated Post-secondary Education Data System]), but enhances the employment prospects of program graduates.

The MQM-LS degree qualifies students as university and college instructors, program evaluators, researchers in psychological, educational, and community environments, and professionals within various related fields. In addition, it provides them with the skills necessary to fill a variety of roles in other settings in which knowledge of human development, learning theory, research and evaluation methods are essential. Graduates are trained for teaching, research, and leadership careers in academic positions and non-academic settings such as local, state and national agencies that deal with educational policy and practices.

For further information, please see Measurement, Quantitative Methods, and Learning Sciences.

Admission Requirements

College of Education takes into consideration a number of criteria when determining admission, including prior college or university performance, letters of recommendation, standardized test scores and statement of intent. All applicants must abide by the minimum qualifications for admissions to a masters or doctoral program. All graduate applicants (regardless of citizenship status) must demonstrate proficiency in English to obtain admission to the University. For more information, visit <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency/>.

An applicant is responsible for ensuring that all required materials for the evaluation of admissions are received by the College before the program's deadline. If the application is not complete by the program's deadline, it will not be evaluated for the admissions. Full details of the online application process can be found at www.uh.edu/graduate-school/admissions/how-to-apply.

Applicant checklist:

- Complete online graduate application including statement of interest, resume/c.v., writing sample, letters of recommendation, and application fee payment.
- Official transcripts from all previous college/university work sent to the UH Graduate School.
- Official reporting of GRE scores taken in the last five years
- International students have additional documentation requirements which can be found at www.uh.edu/graduate-school/admissions/international-students/

Grade Point Average Requirements



Admission requirements for the College of Education require a minimum cumulative grade point average (GPA) of 2.6 for undergraduate coursework or over the last 60 credit hours of coursework. The College requires a minimum cumulative grade point average (GPA) of 3.0 for graduate coursework. The College's admission committees evaluate all credentials submitted by applicants to determine a student's ability and potential to succeed in graduate study. In addition, the committee is interested in the applicant's potential to contribute to his/her program of study and the University community as a whole.

Please visit the program's Admission Application Instructions page for more information.

Degree Requirements

Credit hours required for this degree: 69.0

The curriculum for the MQM-LS Ph.D. program involves the completion of specific coursework that includes foundations of psychological and educational theory, statistics, and research methodology. This coursework is designed to be consistent with the American Psychological Association's principles for learner-centered education and with the College of Education's conceptual model. Completion of the program typically requires four years of full time study, inclusive of coursework, candidacy research project, comprehensive examination portfolio, and dissertation. Courses required for the degree are described below.

Department/Foundations Core Courses (21 hours)

All students in the MQM-LS doctoral program are required to complete a Program Area Core consisting of seven courses (21 hours).

- PHLS 8302 - Research Methods in Psychological and Educational Research **Credit Hours: 3.0**
- PHLS 8319 - Inferential Statistics in Psychological and Educational Research **Credit Hours: 3.0**
- PHLS 8322 - Intermediate Statistical Analysis in Psychological and Educational Research **Credit Hours: 3.0**
- PHLS 8324 - Multivariate Analysis in Psychological and Educational Research **Credit Hours: 3.0**
- PHLS 8300 - Advanced Educational & Psychological Measurement **Credit Hours: 3.0**
- PHLS 8350 - Educational Psychology **Credit Hours: 3.0**
- PHLS 8397 - Selected Topics **Credit Hours: 3.0**

Topic(s) :

Psychology of Learning in STEM 3

Program Area Core Requirements (21 hours)

All students in the MQM-LS doctoral program are required to complete a Program Area Core consisting of seven courses (21 hours). Three of these courses (9 hours) must be in the area of Learning and Development, and four of these courses (12 hours) must be in the area of Research Methods, Measurement and Statistics.

Learning and Development (9 hours total)

- PHLS 8335 - Sem-Adv Top-Human Development **Credit Hours: 3.0**
- PHLS 8342 - Seminar Learning Theories **Credit Hours: 3.0**
- PHLS 8397 - Selected Topics **Credit Hours: 3.0**

Topic(s) :

Educational Disparities and Social Inequality

Research Methods, Measurement, and Statistics (12 hours total)

Required (6 hours):

- PHLS 8321 - Structural Equation Modeling in Psychological and Educational Research **Credit Hours: 3.0**
- PHLS 8328 - Hierarchical Linear Modeling in Psychological & Educational Research **Credit Hours: 3.0**



PHLS 8327 - Longitudinal Data Analysis in Psy/Educ Research **Credit Hours: 3.0**

PHLS 8397 - Selected Topics **Credit Hours: 3.0** (Topic approved by advisor)

SAER 8321 - Survey Mthds in Educ **Credit Hours: 3.0**

SAER 8370 - Program Eval Research **Credit Hours: 3.0**

SAER 8320 - Ethnog Mthds Educ **Credit Hours: 3.0**

CUIN 8377 - Qualitative Inquiry in Education I **Credit Hours: 3.0**

CUIN 8378 - Qualitative Inquiry in Education II **Credit Hours: 3.0**

Independent Research Requirements (9 hours minimum)

All students in the MQM-LS doctoral program are required to satisfy two major research requirements:

the candidacy research paper, and
a doctoral dissertation.

Both of these projects typically involve the collection, analysis, and interpretation of quantitative or mixed-methods data.

PHLS 7398 - Candidacy Research **Credit Hours: 3.0**

PHLS 8399 - Doctoral Dissertation **Credit Hours: 3**

Specialization Electives (18 hours minimum)

All students in the MQM-LS doctoral program are required to pursue one of two Areas of Specialization: Measurement & Quantitative Methods, or Learning Sciences. For these electives, students are encouraged to pursue coursework pertinent to their individual career goals, including courses offered by faculty within the Department of Psychological, Health, and Learning Sciences, as well as courses offered by the Department of Psychology, and those related to the fields of sociology and other behavioral and social sciences. These electives should be identified in consultation with the student's academic advisor. A maximum of two (6 hours) independent study courses (e.g., PHLS 8398) can be used to satisfy this requirement.

Academic Policies

Professional Development Activities

Students in the MQM-LS PhD program are required to satisfy a Professional Development requirement during their first year in the program. Students are required to complete a separate Residency Report for the Fall and Spring semesters of their first year in the program that will serve to satisfy their doctoral residency/professional development requirement. These forms must be approved by the student's academic advisor, the chair of the department, and the Dean or his/her designee.

The following professional development activities are required for doctoral students in the MQM-LS program. Activities completed each semester should be listed on separate Residency Reports for each semester. Students should consult with their advisor regarding selection of additional activities that will augment their academic preparation in scholarship, teaching, and service, such as attending presentations of scholarly speakers at the University of Houston or elsewhere (e.g., Rice University, the Medical Center, in the community), assisting other doctoral students with data collection, etc.

Attend at least one defense of a candidacy research proposal in Educational Leadership and Policy Studies.^[1]^[SEP]

Attend at least one defense of a candidacy research final paper in Educational Leadership and Policy Studies.

Attend at least one defense of a dissertation proposal in Educational Leadership and Policy Studies.^[1]^[SEP]

Attend at least one defense of a dissertation final paper in Educational Leadership and Policy Studies

Attendance at a local, state, or national conference that pertains to education or a relevant social science. The sessions attended may be listed as additional activities.^[1]^[SEP]



Attendance at the Houston Symposium for Research in Education, sponsored by the College of Education, when it is offered.

Membership in the Graduate Students Organization

Student membership in a professional organization (e.g., American Educational Research Association, American Association for the Study of Higher Education)

Candidacy Research Paper

MQM-LS doctoral students must complete a candidacy research paper before they are eligible to have their Comprehensive Examination Portfolio submission materials officially reviewed. Students are expected to conduct a research project within the general domain of higher education. The scope of this research project should be equivalent to what would be expected from a master's level thesis. Students who previously have completed a Master's Thesis may petition to have the thesis count for the candidacy research requirement and should consult with their academic advisor regarding this matter.

College Academic Policies

University of Houston Academic Policies

School Counselor Professional Certificate

42 Credit Hours To Complete

This program prepares competent counselors to work in schools or similar agencies, addressing the developmental needs of all students. The certified school counselor has a broad knowledge base, applies the knowledge base to promote the educational, personal, social, and career development of the learner, participates in the development, monitoring, and evaluation of a developmental school guidance and counseling program promoting learners' knowledge, skills, motivation, and personal growth, promoting academic success for all learners by acknowledging, respecting, and responding to diversity while building on similarities that bond all people (Title 19, TAC §239.15).

The certified school counselor, an advocate for all students and the school, demonstrates effective professional and interpersonal communication skills and continues professional development, demonstrating a commitment to learn, to improve the profession, and to model professional ethics and personal integrity (Title 19, TAC §239.15).

Criteria include forty-two (42) graduate credit hours, a college certification plan, state minimum requirements (Title 19, TAC §239.5) and state requirements for issuance of certification (Title 19, TAC §239.20). A Master of Education (MEd) in Counseling in the Department of Psychological, Health, and Learning Sciences is required for certification. For more information, consult the Department of Psychological, Health, and Learning Sciences, 491 Farish Hall, (713) 743-9830.

School Psychology, PhD

Accredited by the American Psychological Association and adhering to a scientist-practitioner training model, the School Psychology program develops professional school psychologists. Graduates engage in applied research and apply critical analysis and inquiry to identify, select, implement, and evaluate evidence-based practices with sensitivity to cultural and linguistic considerations, and in consideration of diverse client preferences. Embedded throughout the training experience, sensitivity to diversity issues becomes an essential tool, in part because the UH is one of the most culturally and linguistically diverse research institutions in the nation.

Varied practicum placements provide opportunities in numerous school districts, as well as specialized assessment and intervention clinics in hospital and community-based settings within the Houston area. These settings provide opportunities for students to obtain supervised experience with diverse populations, conditions, professionals, settings, and procedures as they matriculate through the program. Program graduates typically meet requirements for licensure in Texas as a licensed psychologist, a licensed specialist in school psychology, and a nationally certified school psychologist.



For more information, please visit <http://www.uh.edu/education/degree-programs/school-psyc-phd/>.

Admission Requirements

The College of Education takes into consideration a number of criteria when determining admission, including prior college or university performance, letters of recommendation, standardized test scores and statement of intent. All applicants must abide by the minimum qualifications for admissions to a masters or doctoral program. All graduate applicants (regardless of citizenship status) must demonstrate proficiency in English to obtain admission to the University. For more information, visit <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency/>.

An applicant is responsible for ensuring that all required materials for the evaluation of admissions are received by the College before the program's deadline. If the application is not complete by the program's deadline, it will not be evaluated for the admissions. Full details of the online application process can be found at www.uh.edu/graduate-school/admissions/how-to-apply.

Applicant checklist:

- Complete online graduate application including statement of interest, resume/c.v., writing sample, letters of recommendation, and application fee payment
- Official transcripts from all previous college/university work sent to the UH Graduate School
- Official reporting of GRE scores taken in the last five years
- International students have additional documentation requirements which can be found at www.uh.edu/graduate-school/admissions/international-students/

Grade Point Average Requirements

Admission requirements for the College of Education require a minimum cumulative grade point average (GPA) of 2.6 for undergraduate coursework or over the last 60 credit hours of coursework. The College requires a minimum cumulative grade point average (GPA) of 3.0 for graduate coursework. The College's admission committees evaluate all credentials submitted by applicants to determine a student's ability and potential to succeed in graduate study. In addition, the committee is interested in the applicant's potential to contribute to his/her program of study and the University community as a whole.

Please visit the program's Admission Application Instructions page for more information.

Degree Requirements

Credit hours required for this degree: 107.0

Students are required to complete all 107 hours of coursework listed below in three categories:

- School Psychology Doctoral Courses
- Department /College Required Courses
- Additional Courses

and would also have to demonstrate that they have achieved the Program's 39 professional and personal competencies. .

No courses from Category A can be waived or transferred. In very rare instances, with appropriate documentation and demonstration of competency, students may waive or transfer courses from Category B. Students entering with waived courses or transferable credit (no more than 30 hrs.) would take all courses in categories A and B as well as courses from Category C that are necessary to ensure that the student has (a) achieved the Program's 39 professional and personal competencies, and (b) completed no less than the 107 hours of graduate coursework necessary for degree completion (including transfer or waived coursework credits).

Students may complete additional elective courses to broaden or deepen their competencies. Students are encouraged to discuss the advantages and disadvantages associated with such choices with their advisor before registering for an additional course.



School Psychology Specialty Courses

Category A: Required Doctoral School Psychology Specialty Courses (47 credit hours)

- PHLS 7193 - Internship and Practicum **Credit Hours: 1.0**
- PHLS 7393 - Internship and Practicum **Credit Hours: 3.0**
- PHLS 8305 - Supervision in Counseling **Credit Hours: 3.0**
- PHLS 8341 - Professional Seminar **Credit Hours: 3.0**
- PHLS 8346 - Pediatric Psychopharmacology **Credit Hours: 3.0**
- PHLS 8348 - Evidence-Based Practice **Credit Hours: 3.0**
- PHLS 8361 - Ecological-Behavioral Interventions **Credit Hours: 3.0**
- PHLS 8362 - Innovative Academic Assessment & Intervention: RTI **Credit Hours: 3.0**
- PHLS 8363 - Research in School Psychology **Credit Hours: 3.0**
- PHLS 8364 - Professional Practice in Psyc: Ethics, Law, & Professional Issues **Credit Hours: 3.0**
- PHLS 8193 - Internship in Psychology **Credit Hours: 1.0**
(2 terms, one credit hour each term)
- PHLS 8699 - Doctoral Dissertation **Credit Hours: 6**
(or two sections of EPSY 8399 - 6 hours total)
- PHLS 8393 - Doctoral Practicum in Psy **Credit Hours: 3.0**
Advanced Practicum 1,
Advanced Practicum 2,
Advanced Practicum 3, and
Advanced Practicum 4

Department/College Required Courses

Category B: Department/College Required Courses (15 credit hours)

- PHLS 8300 - Advanced Educational & Psychological Measurement **Credit Hours: 3.0**
- PHLS 8322 - Intermediate Statistical Analysis in Psychological and Educational Research **Credit Hours: 3.0**
- PHLS 8324 - Multivariate Analysis in Psychological and Educational Research **Credit Hours: 3.0**
- PHLS 8351 - Hist & Philosophy of Psyc Syst **Credit Hours: 3.0**
- PHLS 7398 - Candidacy Research **Credit Hours: 3.0**

Additional Courses

Category C: Additional Courses (39 credit hours)

This list identifies additional required courses that also may be eligible for transfer credit.

33 required hours

- PSYC 6304 - Fndtns-Dev Psy **Credit Hours: 3.0**
- PHLS 7393 - Internship and Practicum **Credit Hours: 3.0**
- PHLS 7393 - Internship and Practicum **Credit Hours: 3.0**
- PHLS 8319 - Inferential Statistics in Psychological and Educational Research **Credit Hours: 3.0**
- PHLS 8337 - Multicul Iss Coun Psych **Credit Hours: 3.0**



PHLS 8347 - Assessment of Cognitive Abilities **Credit Hours: 3.0**
PHLS 8366 - Assessment of Child & Adolescent Affect, Behavior, and Personality **Credit Hours: 3.0**
PHLS 8367 - Behavioral Consultation **Credit Hours: 3.0**
PHLS 6397 - Selected Topics **Credit Hours: 3**

Topic(s):

Child Psychopathology

PHLS 8397 - Selected Topics **Credit Hours: 3.0**

Topic(s):

Cognitive and Affective Bases of Behaviour

6 elective hours

Biological Bases of Behavior (3 credit hours)

PSYC 6308 - Foundations of Neuropsychology **Credit Hours: 3.0**

PSYC 7342 - Bio Bases of Behav **Credit Hours: 3.0**

Social Psychological Processes (3 credit hours)

PSYC 6338 - Fndtns of Social Psyc **Credit Hours: 3.0**

PSYC 6380 - Pers Relationships:Theory Res **Credit Hours: 3.0**

Academic Policies

College Academic Policies

University of Houston Academic Policies

Ongoing and Annual Review

During the summer, or no later than the first week of classes in the fall term, the student's academic advisor formally conducts an annual review of each advisee's progress (first year students may also complete a preliminary review at the end of their first term). However, to ensure that emerging issues and concerns are addressed in a timely fashion, any or all of the following may also occur at any time.

At this review meeting, the student must submit proof of current membership in two professional organizations and proof of attendance at two professionally relevant continuing education activities during the prior year.

Department of Educational Leadership and Policy Studies

Chair: Dr. Catherine Horn

The Department of Educational Leadership & Policy Studies (DELPS) in the College of Education at the University of Houston strives to be among the nation's premier departments of graduate study for the development, management, and evaluation of K-20 educational organizations. Faculty and staff prepare aspiring educational leaders who will develop innovative, efficient, and socially just educational policy solutions through collaborative research, praxis, and practice activities. In addition, DELPS faculty and staff continuously maintain - and pursue - mutually beneficial school, district, college, university, legislative, and corporate partnerships to improve educational environments, organizations, and learning outcomes for all students. DELPS offers doctoral and master degree programs preparing university faculty, policy analysts, organizational managers, and educational administrators.

Administration and Supervision, MEd



The Master's Program in Administration and Supervision provides a strong foundation of knowledge, skills, real world experience, and innovative research to prepare students to be educational leaders. Graduates fill an important need in the community, serving in diverse positions in both public and private educational institutions. The degree fulfills requirements for the Texas Standard Principal Certificate. However, graduates also pursue positions across the educational community and in business settings.

The M.Ed. degree also fulfills requirements for the Texas Examinations of Educator Standards for Principal certification.

The Administration & Supervision program develops professional leadership, ethical, interpersonal and intrapersonal skills. Through specialized coursework, preparing for the Texas principal examinations, and clinical -based internships, students will have the ability to:

- Work in complex, fast-paced, and often-uncertain contexts unique to schools
- Have a high commitment to the safety and dignity of students
- Maintain a strong work ethic
- Understand the professional knowledge base for school administration and use it to think reflectively, critically and creatively in dealing with problems and dilemmas
- Show confidence in self to be an independent learner and act based on researched-based skills and knowledge
- Exhibit leadership with students, teachers, support staff, parents, and other community members to build and maintain a learning community within the school district and community
- Recognize the moral dimensions of schooling and maintain a high level of caring and ethics in motives, judgments, and interpersonal behavior

Unique features of this program:

- Faculty, including adjunct professors, have experience as campus and/or district leadership

- Internship experiences are embedded into the curriculum; the supervising mentor is compensated with a stipend (restrictions apply).

The program prepares graduates for academic leadership positions in public and non-public settings. It prepares professionals to work in a variety of roles as educators and mid to high-level administrative positions in:

- K-12 schools
- Community colleges
- Universities
- Technical schools
- Adult schools
- Educational agencies

Graduates of the M.Ed. in Administration and Supervision may pursue the following careers:

- Community College Professor
- School Principal
- Assistant School Principal
- K-12 School Administrator
- K-12 Team Leader
- K-12 Department Chair

Admission Requirements

See Also: University Admission Requirements

The College of Education takes into consideration a number of criteria when determining admission, including prior college or university performance, letters of recommendation, standardized test scores and statement of intent. All applicants must abide by the minimum qualifications for admissions to a masters or doctoral program. All graduate applicants (regardless of citizenship status) must demonstrate proficiency in English to obtain admission to the University. For more information, visit <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency/>.



An applicant is responsible for ensuring that all required materials for the evaluation of admissions are received by the College before the program's deadline. If the application is not complete by the program's deadline, it will not be evaluated for the admissions. Full details of the online application process can be found at www.uh.edu/graduate-school/admissions/how-to-apply.

Applicant checklist:

- Complete online graduate application including statement of interest, resume/c.v., letters of recommendation, and application fee payment.
- Official transcripts from all previous college/university work sent to the UH Graduate School
- Official reporting of GRE scores taken in the last five years
- International students have additional documentation requirements which can be found at www.uh.edu/graduate-school/admissions/international-students/

Grade Point Average Requirements

Admission requirements for the College of Education require a minimum cumulative grade point average (GPA) of 2.6 for undergraduate coursework or over the last 60 credit hours of coursework. The College requires a minimum cumulative grade point average (GPA) of 3.0 for graduate coursework. The College's admission committees evaluate all credentials submitted by applicants to determine a student's ability and potential to succeed in graduate study. In addition, the committee is interested in the applicant's potential to contribute to his/her program of study and the University community as a whole.

Degree Requirements

Credit hours required for this degree: 30.0

To obtain a Master in Education for Administration and Supervision, students must complete **30 term hours and successfully pass the TExES Principal Certification Exam(s) or a program comprehensive exam.**

These hours will be derived from:

Classroom Instruction

(21 Credit Hours)

- ELCS 6301 - Leadership for Equity in Diverse Schools **Credit Hours: 3**
- ELCS 6304 - Law & Policy for School Leaders **Credit Hours: 3**
- ELCS 6310 - Strategic Engagement of School/Community Stakeholders **Credit Hours: 3.0**
- ELCS 6350 - School Leadership, The Principalship **Credit Hours: 3**
- ELCS 6370 - Research for Educational Leaders **Credit Hours: 3.0**
- ELCS 6330 - Finance & School-Based Budgeting **Credit Hours: 3**
- SPEC 6367 - Special Education for School Leaders **Credit Hours: 3**

Clinical-Based Internships

(3 Courses/9 Credit Hours)

- ELCS 6302 - Data-Informed Decision Making for School Leaders **Credit Hours: 3**
- ELCS 6320 - Instructional Supervision **Credit Hours: 3.0**
- ELCS 6393 - Practicum **Credit Hours: 3.0**



Academic Policies

University of Houston Academic Policies
College of Education Policies

TEXES Principal - M.Ed. in Administration and Supervision

Due to the critical role the principal plays in campus effectiveness and student achievement, and consistent with the Texas Education Code (TEC), §21.046(c), the rules adopted by the State Board for Educator Certification ensure that each candidate for the Principal Certificate is of the highest caliber and possesses the knowledge and skills necessary for success (Title 19, TAC §241). The M.Ed. in Administration and Supervision program emphasizes the training and coursework necessary for obtaining the knowledge, skills, and attributes for becoming an educational leader.

The Texas principal certification is offered through the M.Ed. program. Students are expected to complete all pre-requisite courses and internship requirements for the degree and certification.

Please review the COE Certification web page for application and additional information.

Disability Support, Certificate

Students in the Disability Support Certificate program will learn about: disabilities and disability law for educational and professional settings and will focus on the characteristics, intervention strategies, and services for individuals with disabilities; theory and principles of behavioral analysis in a variety of school and professional settings; how to conduct behavioral observations; design and use data collection tools; link interventions with appropriate data tools; and make evidence-based decisions; how to examine and apply evidence-based instructional strategies, programs, and tools for addressing the learning needs of individuals with disabilities; engage in discussions on state and federal laws as they pertain to the acquisition and use of assistive technology, navigate a range and variety of assistive technology, devices, services, and resources, including internet resources for individuals with disabilities; and, collaborative, consult and coach with parents, families, teachers, administrators, and other professionals within the community.

Certificate Requirements

Credit hours required for this degree: 15.0

The certificate program is offered online.

- SPEC 6360 - Individuals with Disabilities **Credit Hours: 3**
- SPEC 6362 - Behavior: Evidence-Based Decisions **Credit Hours: 3.00**
- SPEC 6365 - Data-Based Individualization of Instruction **Credit Hours: 3.00**
- SPEC 6353 - Technology in Special Populations **Credit Hours: 3**
- SPEC 7391 - Collaborative Consultation and Coaching **Credit Hours: 3**

Academic Policies

University Academic Policies
Academic Policies: College of Education

Higher Education Leadership and Policy Studies, PhD



This 66-hour doctoral program prepares students to conduct research and generate scholarship aimed at furthering a critical understanding of higher education and its role in society while providing service to our local, state, and national communities through the improvement of higher education, and in general the furthering of education for all people.

To accomplish those broad aims, the Ph.D. curriculum in Higher Education provides students multi-disciplinary opportunities to develop specific competency in key areas. A solid framework for understanding educational challenges and opportunities; the inherently global nature of all educational experiences and their outcomes; and the critical contribution of rigorous research to adequate policy development; and the connected enterprise of increasing educational opportunity and success among schools, communities, and businesses.

For more information, please visit <http://www.uh.edu/education/degree-programs/higher-ed-phd/>.

Admission Requirements

The College of Education takes into consideration a number of criteria when determining admission, including prior college or university performance, letters of recommendation, standardized test scores and statement of intent. All applicants must abide by the minimum qualifications for admissions to a master's or doctoral program. All graduate applicants (regardless of citizenship status) must demonstrate proficiency in English to obtain admission to the University. For more information, visit <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency/>.

An applicant is responsible for ensuring that all required materials for the evaluation of admissions are received by the College before the program's deadline. If the application is not complete by the program's deadline, it will not be evaluated for the admissions. Full details of the online application process can be found at www.uh.edu/graduate-school/admissions/how-to-apply.

Applicant checklist:

- Complete online graduate application including statement of interest, resume/c.v., writing sample, letters of recommendation, and application fee payment
- Official transcripts from all previous college/university work sent to the UH Graduate School.
- Official reporting of GRE scores taken in the last five years
- International students have additional documentation requirements which can be found at www.uh.edu/graduate-school/admissions/international-students/

Grade Point Average Requirements

Admission requirements for the College of Education require a minimum cumulative grade point average (GPA) of 2.6 for undergraduate coursework or over the last 60 credit hours of coursework. The College requires a minimum cumulative grade point average (GPA) of 3.0 for graduate coursework. The College's admission committees evaluate all credentials submitted by applicants to determine a student's ability and potential to succeed in graduate study. In addition, the committee is interested in the applicant's potential to contribute to his/her program of study and the University community as a whole.

Please visit the program's Admission Application Instructions page for more information

Degree Requirements

Credit hours required for this degree: 66.0

The curriculum for the HELPS Ph.D. program involves the completion of specific coursework that includes foundations of psychological and educational theory, statistics, and research methodology. Completion of the program typically requires three years of full time study, inclusive of coursework, candidacy research project, comprehensive exam, and dissertation.



Since degree plans are enhanced periodically to support continuous improvement planning objectives, students will follow their approved degree plan that is in place at the time in which they complete an official, approved degree plan. The most current sample degree plan and academic benchmarks are provided below.

In the first two full years of studies (i.e., fall, spring and summer in each year), students in the HELPS doctoral program are required to complete at least 6 hours of coursework each term (i.e., Fall, Spring, and Summer) to satisfy doctoral residency requirements. Students should reference the schedule of course offerings and, in consultation, identify the courses required for a given term.

Program Core Requirements (30 hours)

CUST 8378 - Current Issues in Educ **Credit Hours: 3.0**
CUST 8375 - Hist & Phil of Higher Educ **Credit Hours: 3.0**
ELCS 7371 - Higher Educ Law **Credit Hours: 3.0**
ELCS 8331 - Finance in Higher Education **Credit Hours: 3.0**
ELCS 8332 - Student Dev in Post Sec. Inst **Credit Hours: 3.0**
ELCS 8338 - Admin Higher Educ Multiculset **Credit Hours: 3.0**
ELCS 8355 - Policy Pol & Gov of Education **Credit Hours: 3.0**
ELCS 8360 - Studies Post Secondary Educatn **Credit Hours: 3.0**
ELCS 8397 - Sem Top Ed Ldshp&Cul St **Credit Hours: 3.0**

Topic(s):

Economics of Education

Research Methods Core Requirements (15 hours)

EDRS 8380 - Rsch Mthds in Educ **Credit Hours: 3.0**
EDRS 8382 - Statistical Analyses in Educatn **Credit Hours: 3.0**
SAER 8320 - Ethnog Mthds Educ **Credit Hours: 3.0**
ELCS 8330 - Statistical Analyses **Credit Hours: 3.0**
ELCS 8322 - Advanced Ethnographic Methods **Credit Hours: 3.0**

Independent Research Requirements (9 hours min)

Students in the HELPS program are required to satisfy two major research requirements:

the candidacy research paper, and
a doctoral dissertation.

Both of these projects typically involve the collection, analysis, and interpretation of quantitative and/or qualitative data.

SAER 8388 - Sem-Res Ed Ldshp Pol St **Credit Hours: 3.0**
ELCS 8399 - Doctoral Dissertation **Credit Hours: 3** (for a total of at least 6 hours)

Specialization Electives (minimum 12 hours)

Students in the program are required to pursue one of the four Areas of Specialization within the program. These areas include Equity and Social Justice, International Perspectives, Policy and Politics, and Research Methods. Although all students in the program gain some background in these areas through the Program Area Core courses, students within each area add to their expertise by selecting electives relevant to a particular area of specialization. For these electives, students are encouraged to pursue coursework pertinent to their individual career goals, including courses offered by faculty within the Educational Leadership and Policy Studies Department as well as courses offered



by other departments in the College of Education, and those related to the fields of sociology, economics, political science, and other behavioral and social sciences. These electives should be identified in consultation with the student's academic advisor.

Academic Policies

Professional Development Activities

Students in the HELPS program are required to satisfy a Professional Development requirement during their first year in the program. Students are required to complete a separate Residency Report for the Fall and Spring terms of their first year in the program that will serve to satisfy their doctoral residency/professional development requirement. These forms must be approved by the student's academic advisor, the chair of the department, and the Dean or his/her designee.

The following professional development activities are required for doctoral students in the HELPS program. Activities completed each term should be listed on separate Residency Reports for each term. Students should consult with their advisor regarding selection of additional activities that will augment their academic preparation in scholarship, teaching, and service, such as attending presentations of scholarly speakers at the University of Houston or elsewhere (e.g., Rice University, the Medical Center, in the community), assisting other doctoral students with data collection, etc.

- Attend at least one defense of a candidacy research proposal in Educational Leadership and Policy Studies

- Attend at least one defense of a candidacy research final paper in Educational Leadership and Policy Studies

- Attend at least one defense of a dissertation proposal in Educational Leadership and Policy Studies

- Attend at least one defense of a dissertation final paper in Educational Leadership and Policy Studies

- Attendance at a local, state, or national conference that pertains to education or a relevant social science. The sessions attended may be listed as additional activities.

- Attendance at the Houston Symposium for Research in Education, sponsored by the College of Education, when it is offered

- Membership in the Graduate Students Organization

- Student membership in a professional organization (e.g., American Educational Research Association, American Association for the Study of Higher Education)

Candidacy Research Paper

HELPS doctoral students must complete a candidacy research paper before they are eligible to have their Comprehensive Examination Portfolio submission materials officially reviewed. Students are expected to conduct a research project within the general domain of higher education. The scope of this research project should be equivalent to what would be expected from a master's level thesis. Students who previously have completed a Master's Thesis may petition to have the thesis count for the candidacy research requirement and should consult with their academic advisor regarding this matter.

[College Academic Policies](#)

[University of Houston Academic Policies](#)

Higher Education, MEd

The Higher Education Program at University of Houston is grounded in a philosophical belief in the transformational nature of higher education as an institution of social change. We believe our nation's future depends on our ability to make effective use of the enormous talent and resources represented by the diversity of our people and our ideas.

The Master's of Education (M.Ed.) in Higher Education prepares those who aspire to leadership positions in student affairs and other key administrative areas within a college or university. The Higher Education Program is grounded in a philosophical belief in the transformational nature of higher education as an institution of social change.



The M.Ed. in Higher Education is offered in both face-to-face and online formats. Both delivery methods use a cohort model that enables students to earn their master's degree in two years. The coursework addresses critical issues impacting college students and post-secondary institutions, and emphasizes the connection between theory and practice. Reflecting our strong commitment to experiential learning, our program provides a wide array of Graduate Assistantship, internship, and professional development opportunities.

Houston, the nation's fourth-largest city, is bustling with culture and energy and has recently gained recognition as America's next great global city. Our students come to study with us from all over the United States and internationally, and represent a diverse array of backgrounds and experiences. Students learn and study alongside a distinguished higher education faculty that includes current or former university chancellors and presidents, provosts, deans of students, and internationally renowned researchers. The Higher Education faculty and students are committed to solving critical issues related to college access, equity, affordability, student engagement and learning, and degree completion.

For further information, please see <http://www.uh.edu/education/degree-programs/higher-ed-m/>.

Admission Requirements

The College of Education takes into consideration a number of criteria when determining admission, including prior college or university performance, letters of recommendation, standardized test scores and statement of intent. All applicants must abide by the minimum qualifications for admissions to a masters or doctoral program. All graduate applicants (regardless of citizenship status) must demonstrate proficiency in English to obtain admission to the University. For more information, visit <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency/>.

An applicant is responsible for ensuring that all required materials for the evaluation of admissions are received by the College before the program's deadline. If the application is not complete by the program's deadline, it will not be evaluated for the admissions. Full details of the online application process can be found at www.uh.edu/graduate-school/admissions/how-to-apply.

Applicant checklist:

- Complete online graduate application including statement of interest, resume/c.v., letters of recommendation, and application fee payment.

- Official transcripts from all previous college/university work sent to the UH Graduate School.

- Official reporting of GRE scores taken in the last five years

- International students have additional documentation requirements which can be found at www.uh.edu/graduate-school/admissions/international-students/

GRE Waiver Option

The GRE requirement is waived for applicants to the M.Ed. in Higher Education who have at least one of the following from an institution accredited by one of the six regional accrediting associations as specified in the UH Minimum Qualifications for Admission to Masters and Doctoral Programs:

- an overall undergraduate grade point average of 3.00 or higher (on a 4-point scale), or
- a master's or terminal degree.

Grade Point Average Requirements



Admission requirements for the College of Education require a minimum cumulative grade point average (GPA) of 2.6 for undergraduate coursework or over the last 60 credit hours of coursework. The College requires a minimum cumulative grade point average (GPA) of 3.0 for graduate coursework. The College's admission committees evaluate all credentials submitted by applicants to determine a student's ability and potential to succeed in graduate study. In addition, the committee is interested in the applicant's potential to contribute to his/her program of study and the University community as a whole.

Degree Requirements

Credit hours required for this degree: 36.0

Our 36 credit hour M.Ed. curriculum adheres to recommendations for higher education graduate programs as outlined by the Council for the Advancement of Standards in Higher Education (CAS) and the Association for the Study of Higher Education (ASHE).

Each student completes a semester-long internship, and this experience is attached to a three credit hour course (ELCS 6393).

Required Courses (33 hours):

- CUST 6370 - Cultural Found Amer Edu **Credit Hours: 3.0**
- ELCS 6322 - Org & Admin Stud. Support Serv **Credit Hours: 3.0**
- ELCS 6332 - Student Develop/Student Affair **Credit Hours: 3.0**
- ELCS 6334 - Assessment & Evaluation in Higher Education **Credit Hours: 3.0**
- ELCS 6338 - American Higher Education **Credit Hours: 3.0**
- ELCS 6342 - Critical Issues in Higher Education **Credit Hours: 3.0**
- ELCS 6370 - Research for Educational Leaders **Credit Hours: 3.0**
- ELCS 6380 - Educational Planning & Policy **Credit Hours: 3.0**
- ELCS 6393 - Practicum **Credit Hours: 3.0**
- ELCS 7330 - Admin of Higher Educ I **Credit Hours: 3.0**
- ELCS 7354 - Leadership for Change **Credit Hours: 3.0**

Approved Electives List (3 hours)

Academic Policies

[College Academic Policies](#)

[University of Houston Academic Policies](#)

Internships in Higher Education

Students in the M.Ed. in Higher Education program complete a term-long internship that is connected to a three credit hour course (ELCS 6393: Internship in Educational Leadership). Internships engage students in educationally-related work and learning experiences that integrate knowledge and theory learned from their coursework with practical application in a professional setting. The internship is an essential component of the M.Ed. experience, as it affords students the opportunity to gain exposure to new administrative areas in higher education and clarify their career goals.

With guidance from their faculty advisor and the ELCS 6393 instructor, M.Ed. students are allowed to select an internship that supports their professional interests and career aspirations. While many of our students seek out their own internship experience, there are also established internship opportunities at UH offered through the Division of Student Affairs and Enrollment Services.

Professional Leadership - K-12, EdD



The Ed.D. in Professional Leadership is a 51-credit hour program providing intensive research and applied skills for students grappling with real world concerns in education. Students bring the most pressing concerns experienced by the educational community to each course. A laboratory of Practice and Doctoral Thesis provide students an avenue to apply the specifics of these problems to their other courses and their research. Students complete requirement for the Texas Examination of Educators Standards (TExES) Superintendent (195) Certification.

Doctor of Philosophy

Prerequisites
Degree Requirements
Residency Requirements
Candidacy Project and Advancement to Candidacy
Doctoral Comprehensive Exam Requirements
Doctoral Thesis/Dissertation Requirements
Graduation Requirements

Prerequisites

Students admitted to the EdD program in Curriculum and Instruction typically complete 18 semester credit hours of professional education courses and two years of teaching or the equivalent prior to academic study. The PhD program consider applicants both with and without prior graduate credit.

Degree Requirements

Programs vary in length from 51 hours (the three specializations of Professional Leadership EdD) to, in some cases, more than 100 hours (Counseling Psychology and School Psychology if students have no prior graduate credit). The following represents minimal expectations regarding the completion of a doctoral degree in the College of Education. Some programs and/or departments may have additional degree requirements.

At least six hours of doctoral thesis/dissertation credit.

The completion of all degree requirements, including successful doctoral thesis/dissertation defense and internship, must take place within ten years from the date of admission to a degree program.

A degree plan is required; students must complete a degree plan in MyAdvisor.

All transfer and subsequent work require a minimum 3.00 grade point average (A=4.00). The college cannot give graduate credit for grades lower than a C.

A graduate student receiving a grade of C+ or lower in 12 semester hours of credit at the University of Houston, whether or not in repeated courses, is ineligible for any advanced degree and cannot re-enroll for graduate study. Departments or programs may have grade point average or course performance expectation exceeding these requirements.

The College of Education accepts a maximum of nine graduate credit hours from an accredited university, with the approval of a faculty advisor and the college's Associate Dean of Graduate Studies.

The University of Houston will not accept the transfer of courses with grades lower than B-, completed more than five years prior to the date of admission to the University, and/or applied to a previously completed degree program.

The doctoral level courses number at the 7000- and 8000-levels. However, doctoral students are eligible to take graduate level courses numbered 6000. Students may consult course descriptions in this catalog for information on courses requiring prerequisites or special authorization.

The College of Education requires a doctoral-level introduction to educational research. After successfully completing these requirements, all doctoral students must complete course work in qualitative and/or quantitative research methods. Selection of these courses should be consistent with the student's doctoral thesis or dissertation.



Residency Requirements

To fulfill residency requirements, students are in full-time status for two consecutive academic terms, an academic term, a consecutive 12-week summer session, or three consecutive 12-week summer sessions. The specific residency requirements vary among departments. At the end of each term of residency, students must complete a Residency Report in MyAdvisor for approval by their faculty advisor and college administration.

Candidacy Project and Advancement to Candidacy

Students must complete their candidacy project under the direction of a faculty member or advisor and successfully defend the paper to a departmental examining committee. At least 10 working days before the oral examination, the departmental examining committee members should receive copies of the candidacy paper. Candidates should consult their departmental office for additional and specific information regarding the candidacy project. After successful completion of a candidacy project, students must complete a Candidacy Report in MyAdvisor for approval by their faculty advisor and college administration.

In order to Advance to Candidacy, students complete a candidacy project, successfully defend their candidacy paper, pass a comprehensive examination, and effectively defend their doctoral thesis/dissertation proposal.

Doctoral Comprehensive Exam Requirements

Students must pass a comprehensive examination* after completing at least thirty-six (36) hours of course work. The student must also have an approved degree plan, residency application (if applicable), and a candidacy report documented in MyAdvisor. Students should not have incomplete grades and must maintain a 3.0 grade point average on all graduate coursework. Specific programs or departments may have additional requirements. Document the Doctoral Comprehensive Exam application and grade in MyAdvisor.

A student who fails the comprehensive examination on the first attempt may take the examination a second time with the written recommendation of the student's faculty advisor, program coordinator, and department chair. The Associate Dean of Graduate Studies will determine final approval for second examination attempt. **

Denial of a request for re-examination or if the second re-examination is a failing, the student shall be ineligible for a doctoral degree in the College of Education at the University. The college requires a re-examination if a student does not successfully defend their Doctoral Thesis/Dissertation within five years of their initial comprehensive examination.

**The Professional Leadership, EdD in Administration and Supervision (K-12) requires the TExES Superintendent Exam and Certification in lieu of a Doctoral Comprehensive Exam.*

***The Professional Leadership, EdD in Administration and Supervision (K-12) will allow two attempts for the TExES Superintendent Exam. Denial of a request for re-examination by the EPLS department may occur if a student fails the state exam twice. If denied, the student is ineligible for a doctoral degree in the College of Education at the University.*

Doctoral Thesis/Dissertation Requirements

Students must complete their doctoral thesis/dissertation to the satisfaction of their research committee and successfully defend their doctoral thesis/dissertation before their committee chair and appointed committee members.

Once enrolled in doctoral thesis/dissertation hours, enrollment must be continuous, with the exception of summers. Students who will graduate in the summer, however, must enroll in doctoral thesis/dissertation credit hours during this term.



The college requires students to submit their doctoral thesis/dissertation abstract and oral defense announcement in MyAdvisor. MyAdvisor automatically selects an oral defense date, 10 days in advance. The student will have the option to coordinate the oral defense time, location, and set date in MyAdvisor. Once the oral defense date, time, and location is determined, the student notifies their committee chair and appointed committee members. The committee chair and appointed committee members should receive a copy of the doctoral thesis/dissertation 10 days prior the defense date. The faculty Advisor documents the successful or unsuccessful oral defense in MyAdvisor.

The College requires a completed doctoral thesis/dissertation for MyAdvisor and the Texas Digital Libraries prior to graduation approval. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.

Graduation Requirements

The College requires completion of all applicable graduate coursework and benchmarks prior to proposed graduation. Students should file an application for graduation in MyUH early in the final term of their degree. The university's Academic Calendar lists the application filing deadlines per semester. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.

Required Courses:

To obtain a Doctorate in professional leadership, students must complete **51 semester hours, successfully pass the TExES Superintendency Exam (0195), and defend their Doctoral Thesis.**

These hours will be derived from:

- ELCS 8310 - The Superintendency **Credit Hours: 3.0**
- ELCS 7392 - Internship in Superintendent **Credit Hours: 3.0**
- ELCS 8315 - Transformational Leadership for School Administrators **Credit Hours: 3**
- ELCS 8301 - Leadership Theory for School Administrators **Credit Hours: 3**
- ELCS 7354 - Leadership for Change **Credit Hours: 3.0**
- ELCS 8356 - Program Policy Evaluation **Credit Hours: 3.0**
- ELCS 8361 - Public & Community Relations **Credit Hours: 3.0**
- ELCS 8350 - Resource Management **Credit Hours: 3**
- EDRS 8380 - Rsch Mthds in Educ **Credit Hours: 3.0**
(Part 1)
- EDRS 8381 - Rsch Mthds in Educ **Credit Hours: 3.0**
(Part 2)
- ELCS 8341 - Adult Learning Theory **Credit Hours: 3**
- ELCS 8397 - Sem Top Ed Ldshp&Cul St **Credit Hours: 3.0**
- Total Hours of Required Courses: 39.0 Hours**

Laboratory of Practice (1 Course/6 Hours)

- CUIN 8310 - Laboratory of Practice **Credit Hours: 3**

Doctoral Thesis (1 Course/6 Hours)

- CUIN 8690 - Doctoral Thesis **Credit Hours: 6**

Professional Leadership - Special Populations, EdD



The Executive EdD in Professional Leadership-Special Populations prepares graduates for Professional and Instructional Leadership positions in a variety of settings and provides them with the tools to meet the needs of ALL students.

The EdD in Professional Leadership Special Populations is a 51-credit hour program providing intensive research and applied skills for students grappling with real-world concerns in education. Students bring the most pressing challenges experienced by the educational community to each course. A Laboratory of Practice and Doctoral Thesis provide students an avenue to apply the specifics of these problems to their other courses, their research, and provide support to their community.

The program prepares graduates for Professional and Instructional Leadership positions in a variety of settings and provides them with the tools to meet the needs of ALL students. Graduates are ready to assume positions as coaches, consultants, directors, and instructional leaders who grapple with the challenges faced by many students in the nation's schools.

For more information, please visit the Professional Leadership - Special Populations, EdD program page.

Admission Requirements

Students admitted to the EdD in Professional Leadership Special Populations program in the Department of Educational Leadership and Policy Studies (DELPS) typically have earned a Master's Degree in Education or a related field. Many prospective students work in educational, philanthropic, or healthcare fields.

Admission requirements for the College of Education require a minimum cumulative grade point average (GPA) of 2.6 for undergraduate coursework or over the last 60 credit hours of coursework. The College requires a minimum cumulative GPA of 3.0 for graduate coursework. The College's admission committees evaluate all credentials submitted by applicants to determine a student's ability and potential to succeed in graduate study. In addition, the committee is interested in the applicant's potential to contribute to his/her program of study and the University community as a whole.

Visit <http://www.uh.edu/graduate-school/admissions/how-to-apply> to start the application process.

Admission Materials

- ApplyWeb Application
- Transcripts
- Official Test Scores
- Statement of Interest
- Resume or Curriculum Vitae



Letters of Recommendation

Application fee (\$80 domestic/\$75 international)

For more on admissions, please visit the College of Education Graduate Admissions page.

Degree Requirements

Credit hours required for this degree: 51.0

The Professional Leadership-Special Populations is designed to be completed in less than three years. Specifically, students will take fifty-one (51) credit hours of coursework across eight (8) semesters to complete the degree. Since degree plans are enhanced periodically to support continuous improvement planning objectives, students will follow their approved degree plan that is in place at the time in which they complete an official, approved degree plan.

Research Core Coursework

9 credit hours

EDRS 8380 - Rsch Mthds in Educ **Credit Hours: 3.0**

EDRS 8381 - Rsch Mthds in Educ **Credit Hours: 3.0**

SPEC 8375 - Research for Special Populations **Credit Hours: 3**

SPEC 8376 - Research Methods for Low Incidence Populations **Credit Hours: 3**

Special Populations Coursework

15 credit hours

SPEC 7341 - Assessment of Learning Difficulties **Credit Hours: 3**

SPEC 7391 - Collaborative Consultation and Coaching **Credit Hours: 3**

SPEC 8360 - Instructional Problems in Special Populations **Credit Hours: 3.00**

SPEC 8365 - Administration and Supervision of Special Education **Credit Hours: 3**

SPEC 8375 - Research for Special Populations **Credit Hours: 3**

SPEC 8376 - Research Methods for Low Incidence Populations **Credit Hours: 3**

Cognate Supporting Courses

9 credit hours

CUIN 7373 - Instr Strat Tchng Adult **Credit Hours: 3.0**

PHLS 8345 - Adult Cognition and Learning **Credit Hours: 3.0**

Choose one from the following:

CUIN 8303 - Seminal Thinkers Affecting American Education **Credit Hours: 3**

Professional Leadership Courses

9 credit hours

ELCS 8325 - Instnl Leadercurri&Prof Develop **Credit Hours: 3.0**



ELCS 8340 - Organizatn & Admin Curriculum **Credit Hours: 3.0**

Choose one from the following:

ELCS 8345 - School-Based Budgeting and Practical Law **Credit Hours: 3.0**

ELCS 8355 - Policy Pol & Gov of Education **Credit Hours: 3.0**

Applied Research Coursework

9 credit hours

CUIN 8310 - Laboratory of Practice **Credit Hours: 3**

CUIN 8690 - Doctoral Thesis **Credit Hours: 6**

Academic Policies

University of Houston Academic Policies

Registration for Doctoral Thesis Credits/Independent Study Courses

Once students sign up for doctoral thesis credits they must continuously enroll for a minimum of 3 credits of doctoral thesis every subsequent semester until the doctoral thesis is completed

Ongoing and Annual Review

The overall progress of all doctoral students is evaluated annually by faculty advisors associated with the DELPS program. Students are given feedback each year concerning the outcome of this evaluation. Students are in good standing if they:

- register continuously at the University in courses consistent with the approved degree plan, or seek a formal leave of absence from the program if they must interrupt their enrollment;
- maintain close contact with their faculty advisor concerning progress toward the degree;
- make adequate progress in their research (e.g., candidacy paper, etc.) in accordance with the length of time that the student has enrolled in the program; and,
- maintain adequate progress and performance in their coursework. Adequate progress includes formally resolving all Incompletes received in any course during the previous semesters.

Laboratory of Practice

Leaders in applied educational settings grapple with the identification and implementation of evidence based interventions and assessments. The program provides intensive research and applied skills development for students who face any of these real-world concerns. In Labs of Practice coursework, students bring the most pressing challenges experienced by the educational community to the experience. They learn as a team to network and support fellow members. Each member works on a grand challenge that faces them in their own professional context. The program offers students the intellectual space to read the research that relates to their challenge, source the interventions that have been tried in various educational settings, design solutions that will result in evidence based outcomes, and generate a plan of action for moving forward. This practical nature of the Labs of Practice experience ensures that students have an avenue to apply the specifics of these problems to their other courses and to their research. The program emphasizes problem solving, student collaboration, and planning for a future as an instructional coach/leader throughout the Labs of Practice 6 credit sequence.



Special Populations, MEd

The Special Populations Master's Program prepares professionals for the high-needs field of Special Education. Graduates find abundant opportunities for challenging and rewarding careers.

The Master's in Special Populations develops professional, interpersonal, and intrapersonal skills through:

College of Education Core Coursework

Special Education Content Coursework

Comprehensive Exam

The Special Populations Master's Program prepares educators to assume positions in:

Public and Private Early Childhood - 12th-grade school settings

Educational and Social Agencies

Foundations

Public and Private Research Organizations

Residential Facilities

Graduates with an MEd in Special Populations may pursue the following careers:

Community College Instructors

Educational Diagnosticians

Special Education Teachers

EC-12 Team Leaders

EC-12 Department Chairs

EC-12 Special Education Coordinators/Administrators*

The program offers five areas of emphasis:

Special Education Emphasis (Online)

Special Education Certification Emphasis (Hybrid)

Educational Diagnostician Certification Emphasis (Hybrid)

Gifted and Talented Emphasis (Online)

Special Education Leadership Emphasis (Hybrid)

For further information, please see: <http://www.uh.edu/education/degree-programs/spec-ed-med/>.

Admission Requirements



The College of Education takes into consideration a number of criteria when determining admission, including prior college or university performance, letters of recommendation, standardized test scores and statement of intent. All applicants must abide by the minimum qualifications for admissions to a masters or doctoral program. All graduate applicants (regardless of citizenship status) must demonstrate proficiency in English to obtain admission to the University. For more information, visit <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency/>.

An applicant is responsible for ensuring that all required materials for the evaluation of admissions are received by the College before the program's deadline. If the application is not complete by the program's deadline, it will not be evaluated for the admissions. Full details of the online application process can be found at www.uh.edu/graduate-school/admissions/how-to-apply.

Applicant checklist:

Complete online graduate application including statement of interest, resume/CV, letters of recommendation, and application fee payment. Students applying to the Educational Diagnostician Certification emphasis area need to include a copy of their valid teaching certificate.

Official transcripts from all previous college/university work sent to the UH Graduate School

Official reporting of GRE scores taken in the last five years. For information about the GRE waiver, see this link:

<http://www.uh.edu/education/admissions/graduate/admission-app-instructions/delps-gre-waiver.php#spec-pops>.

International students have additional documentation requirements, which can be found at <http://www.uh.edu/graduate-school/international-students/>.

Grade Point Average Requirements

Admission requirements for the College of Education require a minimum cumulative grade point average (GPA) of 2.6 for undergraduate coursework or over the last 60 credit hours of coursework. The College requires a minimum cumulative grade point average (GPA) of 3.0 for graduate coursework. The College's admission committees evaluate all credentials submitted by applicants to determine a student's ability and potential to succeed in graduate study. In addition, the committee is interested in the applicant's potential to contribute to his/her program of study and the University community as a whole.

Degree Requirements

Credit hours required for this degree: 30.0

The curriculum for the MEd in Special Populations Program involves the completion of specific coursework. This coursework is designed to be consistent with State of Texas Certification requirements and with the College of Education's conceptual model.

Core Coursework

9.0 Credit Hours

SPEC 6360 - Individuals with Disabilities **Credit Hours: 3**

OR

SPEC 6367 - Special Education for School Leaders **Credit Hours: 3**

SPEC 6340 - Learning and Education Sciences **Credit Hours: 3**

SPEC 6327 - Introduction to Educational and Psychological Measurement **Credit Hours: 3.00**

Special Education Emphasis

21.0 Credit Hours



Offered Online

This emphasis focuses on obtaining the necessary capacity for working with students with disabilities.

Students who complete the **Special Education** Emphasis:

Understand, assess, and evaluate the needs of students with disabilities to make instructional decisions.

Skillfully manage the teaching environment, including the use of assistive technology.

Promote students' educational, behavioral and social performance.

Apply knowledge of transition issues and teaching across the lifespan.

SPEC 6353 - Technology in Special Populations **Credit Hours: 3**

SPEC 6361 - Behavior: Interventions **Credit Hours: 3.00**

SPEC 6362 - Behavior: Evidence-Based Decisions **Credit Hours: 3.00**

SPEC 6363 - Instructional Interventions **Credit Hours: 3.00**

SPEC 6365 - Data-Based Individualization of Instruction **Credit Hours: 3.00**

SPEC 7391 - Collaborative Consultation and Coaching **Credit Hours: 3**

SPEC 7343 - Psychological Processes of Reading **Credit Hours: 3**

Special Education Certification Emphasis

21.0 Credit Hours

Offered Online

This emphasis focuses on obtaining the necessary capacity for working with students with disabilities.

Students who complete the **Special Education** Emphasis:

Understand, assess, and evaluate the needs of students with disabilities to make instructional decisions.

Skillfully manage the teaching environment, including the use of assistive technology.

Promote students' educational, behavioral and social performance.

Apply knowledge of transition issues and teaching across the lifespan.

Engage in the roles and responsibilities of the teaching profession.

SPEC 6353 - Technology in Special Populations **Credit Hours: 3**

SPEC 6361 - Behavior: Interventions **Credit Hours: 3.00**

SPEC 6362 - Behavior: Evidence-Based Decisions **Credit Hours: 3.00**

SPEC 6363 - Instructional Interventions **Credit Hours: 3.00**

SPEC 6365 - Data-Based Individualization of Instruction **Credit Hours: 3.00**

SPEC 7391 - Collaborative Consultation and Coaching **Credit Hours: 3**

SPEC 7343 - Psychological Processes of Reading **Credit Hours: 3**

Additional information about certification requirements can be found at: <http://www.uh.edu/education/degree-programs/spec-ed-med/>.

Educational Diagnostician Certification Emphasis

21.0 Credit Hours

Offered Hybrid (Online and Classroom)



This emphasis prepares students for certification as Educational Diagnosticians in Texas Public Schools. Students in this program currently hold a teaching certificate in the State of Texas. This program extends teachers' special education expertise by developing the necessary skillset to assess and identify learning problems in children, consult with parents and teachers in a multidisciplinary setting, and assume leadership roles.

Students who complete the **Educational Diagnostician Certification** Emphasis:

- Understand federal and state disability criteria and identification procedures for determining the presence of an educational need.
- Recognize the significance of diversity for evaluation, planning, and instruction.
- Select, administer and interpret appropriate assessments and evaluations.
- Understand appropriate curricula and instructional strategies for developing the academic, behavioral and social skills of students with disabilities.
- Engage the roles and responsibilities of the teaching profession.

Required Courses

- SPEC 7391 - Collaborative Consultation and Coaching **Credit Hours: 3**
- SPEC 7341 - Assessment of Learning Difficulties **Credit Hours: 3**
- SPEC 7343 - Psychological Processes of Reading **Credit Hours: 3**

Electives (12 hours/4 courses)

Students without special education certification must choose SPEC 6361, SPEC 6362, SPEC 6363, and SPEC 6365.

Students with special education certification may request approval from the faculty advisor to substitute up to 3 of the special education content courses (SPEC 6361, SPEC 6362, SPEC 6363, and SPEC 6365) with leadership courses.

- SPEC 6361 - Behavior: Interventions **Credit Hours: 3.00**
- SPEC 6362 - Behavior: Evidence-Based Decisions **Credit Hours: 3.00**
- SPEC 6363 - Instructional Interventions **Credit Hours: 3.00**
- SPEC 6365 - Data-Based Individualization of Instruction **Credit Hours: 3.00**
- ELCS 6301 - Leadership for Equity in Diverse Schools **Credit Hours: 3**
- ELCS 6304 - Law & Policy for School Leaders **Credit Hours: 3**
- ELCS 6350 - School Leadership, The Principalship **Credit Hours: 3**

Additional information about certification requirements can be found at: <http://www.uh.edu/education/degree-programs/spec-ed-med/>.

Gifted and Talented Emphasis

21.0 Credit Hours

Offered Online

This emphasis prepares students to complete supplemental certification as Gifted and Talented while providing a thorough understanding of theory, research strategies, and best practices of gifted education.

Students who complete the **Gifted and Talented** Emphasis:



Understand the standards for providing comprehensive services incorporating research-based best practices for gifted and talented learners.

Recognize the significance of diversity for evaluation, planning, and instruction.

Demonstrate knowledge of assessment instruments and gifted/talented identification procedures that provide students an opportunity to demonstrate their diverse talents and abilities.

Meets the needs of gifted and talented students by modifying the depth, complexity, and pacing of the curriculum and instruction ordinarily provided by the school.

SPEC 6361 - Behavior: Interventions **Credit Hours: 3.00**

SPEC 6363 - Instructional Interventions **Credit Hours: 3.00**

SPEC 6365 - Data-Based Individualization of Instruction **Credit Hours: 3.00**

SPEC 7391 - Collaborative Consultation and Coaching **Credit Hours: 3**

SPEC 6349 - Introduction to the Education of Students with Gifts and Talents **Credit Hours: 3**

SPEC 6350 - Nature of Needs of Students with Gifts and Talents **Credit Hours: 3**

SPEC 6355 - Creative & Productive Thinking for Students with Gifts and Talents **Credit Hours: 3**

Special Education Leadership Emphasis

21.0 Credit Hours

Offered Hybrid (Online and Classroom)

This emphasis prepares students who are working with learners with disabilities and other special needs to assume administrative roles* in special education in a K-12 school or at the district level. Develops students into special education leaders* that have the skills to address the complex issues surrounding educating students with challenges related to learning, social, and emotional needs.

Students who complete the **Special Education Leadership** Emphasis:

Apply current special education laws and policies to design and deliver inclusive special education and/or support for diverse students.

Provide leadership* and expertise in assessing, identifying, and implementing special education needs and to collaborate with related services and other personnel, including school psychologists, educational diagnosticians, speech therapists, administrators, and teachers.

Understand ethical decision making, innovative problem solving, and professional growth.

Understand appropriate curricula and instructional strategies for developing the academic, behavioral and social skills of students with disabilities.

SPEC 6362 - Behavior: Evidence-Based Decisions **Credit Hours: 3.00**

SPEC 6363 - Instructional Interventions **Credit Hours: 3.00**

SPEC 6365 - Data-Based Individualization of Instruction **Credit Hours: 3.00**

SPEC 7391 - Collaborative Consultation and Coaching **Credit Hours: 3**

ELCS 6301 - Leadership for Equity in Diverse Schools **Credit Hours: 3**

ELCS 6304 - Law & Policy for School Leaders **Credit Hours: 3**

ELCS 6350 - School Leadership, The Principalship **Credit Hours: 3**

Academic Policies

University of Houston Academic Policies

College of Education Academic Policies

Comprehensive Exam



Students in the MEd in Special Populations Program may elect to complete either a written Comprehensive Examination or take and pass the relevant TExES Examination as part of a capstone to the program.

Comprehensive Exam

The Department of Educational Leadership and Policy Studies regularly schedules written exams that test a student's comprehensive knowledge of the Special Populations Program area. Students have the option of taking a traditional written comprehensive examination. Students seeking certification may take the appropriate TExES Certification exam in lieu of the traditional written comprehensive examination. Students should apply for the exam in the last two semesters of their program through MyAdvisor. All students in the MEd in Special Populations program must successfully complete the Master's Comprehensive Examination.



Department of Curriculum and Instruction

Department of Curriculum and Instruction

All-Level Art Initial Certificate

Initial Teaching Certificate

The College of Education offers initial teacher certification programs for students who have bachelor's degrees in all undergraduate fields of specialization. See the list of elementary, secondary, and all-level initial certificates in the Undergraduate Studies catalog.

Students who have completed a bachelor's degree and who desire initial certification should apply for a deficiency plan. Selected courses that are required for initial certification may, with the approval of a graduate advisor, be applied toward a master's degree program. Consult the Teacher Education and Certification Office, 112 Farish Hall, (713) 743-5000, for information and assistance in selecting the appropriate deficiency plan program. Students requiring a deficiency plan may obtain an application from the Teacher Education and Certification Office.

The initial certification requirements are similar to those listed in the Undergraduate Studies catalog. In lieu of the student teaching requirement, students may qualify for an internship program or substitute two years of full-time teaching experience in a school accredited by the State Board for Educator Certification, at the level(s) for which they seek certification, and six semester hours of approved education courses.

Students entering teacher preparation programs after May 1, 1984, are required by state of Texas regulations to have passed the Texas Academic Skills Program prior to being admitted to teacher education. All required sections of this test must be passed before being admitted to the program. Admission criteria are listed in the Undergraduate Studies catalog and are prerequisite to taking the required professional development courses. For specific information about this test, students should call University Testing Services, (713) 743-5444. Graduates of teacher education programs after May 1, 1986, are required by state of Texas regulations to take the Examination for the Certification of Educators in Texas upon completion of the program.

Students who plan to pursue a teaching certification program should consult the Teacher Education and Certification Office, 112 Farish Hall, for information about admission requirements and course requirements. Full admission to the Teacher Education program is a prerequisite to enrollment in the beginning certification courses.

All teacher certification transactions, including professional certificates and endorsements, are made through the College of Education. Inquiries should be directed to the Teacher Education and Certification Office, or the appropriate department, University of Houston, Houston, Texas 77204- 5871.

Bilingual Education Endorsement

Curriculum and Instruction, MEd - Specialization in Art Education

Master of Education: College of Education

Degree Requirements



The following represents minimal expectations for the completion of a master's degree in the College of Education. Each department establishes specific degree requirements for its major areas. For more information, students should consult the department or program of their choice.

A Master's degree in the College of Education requires a minimum of 30 graduate credit hours; however, some program areas require additional credit hours.

A degree plan is required; students must complete a degree plan in MyAdvisor.

The master level courses numbered at the 6000- and 7000-levels.

The College of Education requires approval by a faculty advisor for all courses outside the college bearing numbers lower than 6000 for a degree program. College of Education courses numbered lower than 6000 cannot apply toward a graduate degree.

Students must earn all term credit hours, including thesis, within the five years prior to graduation.

The College of Education accepts a maximum of nine term credit hours of transfer credit from an accredited university, with the approval of a faculty advisor and the college's Associate Dean of Graduate Studies.

Transfer students must complete at least 24 graduate credit hours at the University of Houston (after admission to the graduate program). Of these hours, no less than 18 graduate credit hours must be in courses numbered 6000 or above.

All transfer and subsequent work require a minimum 3.00 grade point average (A=4.00). Grades lower than a C does not count for graduate credit.

A graduate student receiving a grade of C+ or lower in 12 term hours of credit at the University of Houston, whether or not in repeated courses, is ineligible for any advanced degree and cannot re-enroll for graduate study.

Students use MyAdvisor to reflect benchmark requirements for degree completion; a degree plan requires approval by a faculty advisor, the program coordinator, the department chair, and the Dean prior to completing 18 semester hours of credit.

Department Requirements

All students in the CUIN Masters of Education program must take nine (9) graduate credit hours of common core (Professional Seminars I and II and Capstone).

-- Students satisfactorily complete a Capstone project during their final term of course work.

All students in the EPLS Department for the MEd in Administration and Supervision and EdD in Professional Leadership are required to complete TEXES Certification (Principal or Superintendent) in lieu of a comprehensive exam.

Graduation Requirements

Complete all applicable graduate coursework and benchmarks prior to proposed graduation. Students should file an application for graduation in MyUH early in the final term of their degree. The university's Academic Calendar lists the application filing deadlines per term. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.

Curriculum and Instruction, MEd - Specialization in Bilingual Education

Master of Education: College of Education

Degree Requirements

The following represents minimal expectations for the completion of a master's degree in the College of Education. Each department establishes specific degree requirements for its major areas. For more information, students should consult the department or program of their choice.



A Master's degree in the College of Education requires a minimum of 30 graduate credit hours; however, some program areas require additional credit hours.

A degree plan is required; students must complete a degree plan in MyAdvisor.

The master level courses numbered at the 6000- and 7000-levels.

The College of Education requires approval by a faculty advisor for all courses outside the college bearing numbers lower than 6000 for a degree program. College of Education courses numbered lower than 6000 cannot apply toward a graduate degree.

Students must earn all term credit hours, including thesis, within the five years prior to graduation.

The College of Education accepts a maximum of nine term credit hours of transfer credit from an accredited university, with the approval of a faculty advisor and the college's Associate Dean of Graduate Studies.

Transfer students must complete at least 24 graduate credit hours at the University of Houston (after admission to the graduate program). Of these hours, no less than 18 graduate credit hours must be in courses numbered 6000 or above.

All transfer and subsequent work require a minimum 3.00 grade point average (A=4.00). Grades lower than a C does not count for graduate credit.

A graduate student receiving a grade of C+ or lower in 12 term hours of credit at the University of Houston, whether or not in repeated courses, is ineligible for any advanced degree and cannot re-enroll for graduate study.

Students use MyAdvisor to reflect benchmark requirements for degree completion; a degree plan requires approval by a faculty advisor, the program coordinator, the department chair, and the Dean prior to completing 18 semester hours of credit.

Department Requirements

All students in the CUIN Masters of Education program must take nine (9) graduate credit hours of common core (Professional Seminars I and II and Capstone).

-- Students satisfactorily complete a Capstone project during their final term of course work.

All students in the EPLS Department for the MEd in Administration and Supervision and EdD in Professional Leadership are required to complete TEXES Certification (Principal or Superintendent) in lieu of a comprehensive exam.

Graduation Requirements

Complete all applicable graduate coursework and benchmarks prior to proposed graduation. Students should file an application for graduation in MyUH early in the final term of their degree. The university's Academic Calendar lists the application filing deadlines per term. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.

Curriculum and Instruction, MEd - Specialization in Early Childhood Education

Master of Education: College of Education

Degree Requirements

The following represents minimal expectations for the completion of a master's degree in the College of Education. Each department establishes specific degree requirements for its major areas. For more information, students should consult the department or program of their choice.

A Master's degree in the College of Education requires a minimum of 30 graduate credit hours; however, some program areas require additional credit hours.

A degree plan is required; students must complete a degree plan in MyAdvisor.



The master level courses numbered at the 6000- and 7000-levels.

The College of Education requires approval by a faculty advisor for all courses outside the college bearing numbers lower than 6000 for a degree program. College of Education courses numbered lower than 6000 cannot apply toward a graduate degree.

Students must earn all term credit hours, including thesis, within the five years prior to graduation.

The College of Education accepts a maximum of nine term credit hours of transfer credit from an accredited university, with the approval of a faculty advisor and the college's Associate Dean of Graduate Studies.

Transfer students must complete at least 24 graduate credit hours at the University of Houston (after admission to the graduate program). Of these hours, no less than 18 graduate credit hours must be in courses numbered 6000 or above.

All transfer and subsequent work require a minimum 3.00 grade point average (A=4.00). Grades lower than a C does not count for graduate credit.

A graduate student receiving a grade of C+ or lower in 12 term hours of credit at the University of Houston, whether or not in repeated courses, is ineligible for any advanced degree and cannot re-enroll for graduate study.

Students use MyAdvisor to reflect benchmark requirements for degree completion; a degree plan requires approval by a faculty advisor, the program coordinator, the department chair, and the Dean prior to completing 18 semester hours of credit.

Department Requirements

All students in the CUI Masters of Education program must take nine (9) graduate credit hours of common core (Professional Seminars I and II and Capstone).

-- Students satisfactorily complete a Capstone project during their final term of course work.

All students in the EPLS Department for the MEd in Administration and Supervision and EdD in Professional Leadership are required to complete TExES Certification (Principal or Superintendent) in lieu of a comprehensive exam.

Graduation Requirements

Complete all applicable graduate coursework and benchmarks prior to proposed graduation. Students should file an application for graduation in MyUH early in the final term of their degree. The university's Academic Calendar lists the application filing deadlines per term. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.

Curriculum and Instruction, MEd - Specialization in Educational Administration and Supervision

Department of Curriculum and Instruction > Curriculum and Instruction, MEd - Specialization in Educational Administration and Supervision

The Master's Program in Administration and Supervision provides a strong foundation of knowledge, skills, real world experience, and innovative research to prepare students to be educational leaders. Graduates fill an important need in the community, serving in diverse positions in both public and private educational institutions. The degree fulfills requirements for the Texas Standard Principal Certificate. However, graduates also pursue positions across the educational community and in business settings.

For more information please see the College of Education webpage.

The M.Ed. degree also fulfills requirements for the Texas Examinations of Educator Standards (TExES) Principal (068) certification.

The program is designed to be completed in one calendar year consisting of one Spring, Summer, and Fall terms consecutively.



The Administration & Supervision program develops professional leadership, ethical, interpersonal and intrapersonal skills. Through specialized coursework, preparing for the Texas Examinations of Educator Standards (TEXES) Principal (068), and clinical -based internships, students will have the ability to:

- Work in complex, ambiguous, fast-paced, and often-uncertain contexts unique to schools
- Have a high commitment to the safety and dignity of students
- Maintain a strong work ethic and a desire "to get things done"
- Understand the professional knowledge base for school administration and use it to think reflectively, critically and creatively in dealing with problems and dilemmas
- Show confidence in self to (a) be an independent learner, (b) act on informed intuition, (c) know that seldom are there absolutely right answers to the endless situations encountered, and (d) be able to live with the consequences of independent actions
- Exhibit leadership with students, teachers, support staff, parents, and other community members to build and maintain a learning community within the school district and community
- Recognize the moral dimensions of schooling and maintain a high level of caring and ethics in motives, judgments, and interpersonal behavior

Unique features of this program:

- All faculty, including adjunct professors, have experience as campus and/or district leadership
- Program designed to be completed in one calendar year
- An internship course is embedded into the curriculum each term; the supervising mentor is compensated with a stipend (restrictions apply)

The program prepares graduates for academic leadership positions in public and non-public settings. It prepares professionals to work in a variety of roles as educators and mid to high-level administrative positions in:

- K-12 schools
- Community colleges
- Universities
- Technical schools
- Adult schools
- Educational agencies

Graduates of the M.Ed. in Administration and Supervision may pursue the following careers:

- Community College Professor
- School Principal
- Assistant School Principal
- K-12 School Administrator
- K-12 Team Leader
- K-12 Department Chair

Admission Requirements

The College of Education takes into consideration a number of criteria when determining admission, including prior college or university performance, letters of recommendation, standardized test scores and statement of intent. All applicants must abide by the minimum qualifications for admissions to a masters or doctoral program. All graduate applicants (regardless of citizenship status) must demonstrate proficiency in English to obtain admission to the University. For more information, visit <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency/> .

An applicant is responsible for ensuring that all required materials for the evaluation of admissions are received by the College before the program's deadline. If the application is not complete by the program's deadline, it will not be evaluated for the admissions. Full details of the online application process can be found at www.uh.edu/graduate-school/admissions/how-to-apply.



Applicant checklist:

Complete online graduate application including statement of interest, resume/c.v., letters of recommendation, and application fee payment.

Official transcripts from all previous college/university work sent to the UH Graduate School.

Official reporting of GRE scores taken in the last five years

International students have additional documentation requirements which can be found at www.uh.edu/graduate-school/admissions/international-students/.

Grade Point Average Requirements

Admission requirements for the College of Education require a minimum cumulative grade point average (GPA) of 2.6 for undergraduate coursework or over the last 60 credit hours of coursework. The College requires a minimum cumulative grade point average (GPA) of 3.0 for graduate coursework. The College's admission committees evaluate all credentials submitted by applicants to determine a student's ability and potential to succeed in graduate study. In addition, the committee is interested in the applicant's potential to contribute to his/her program of study and the University community as a whole.

Degree Requirements

To obtain a Master in Education for Administration and Supervision, students must complete **30 term hours and successfully pass the TExES Principal Exam (068)**.

These hours will be derived from:

ELCS 6301 - Leadership for Equity in Diverse Schools **Credit Hours: 3**

ELCS 6302 - Data-Informed Decision Making for School Leaders **Credit Hours: 3**

ELCS 6304 - Law & Policy for School Leaders **Credit Hours: 3**

ELCS 6310 - Strategic Engagement of School/Community Stakeholders **Credit Hours: 3.0**

ELCS 6350 - School Leadership, The Principalship **Credit Hours: 3**

ELCS 6370 - Research for Educational Leaders **Credit Hours: 3.0**

CUIN 6198 - Independent Study **Credit Hours: 1.0**

Total = 21 Term Hours

Clinical-Based Internships (3 Courses/9Credit Hours)

ELCS 6330 - Finance & School-Based Budgeting **Credit Hours: 3**

ELCS 6320 - Instructional Supervision **Credit Hours: 3.0**

ELCS 6393 - Practicum **Credit Hours: 3.0** Educational Leadership Supervision

Academic Policies

TExES Principal - M.Ed. in Administration and Supervision

Due to the critical role the principal plays in campus effectiveness and student achievement, and consistent with the Texas Education Code (TEC), §21.046(c), the rules adopted by the State Board for Educator Certification ensure that each candidate for the Principal Certificate is of the highest caliber and possesses the knowledge and skills necessary for success (Title 19, TAC §241). The M.Ed. in Administration and Supervision program emphasizes the training and coursework necessary for obtaining the knowledge, skills, and attributes for becoming an educational leader.

The TExES Principal (068) certification is offered through the M.Ed. program. Students are expected to complete all pre-requisite courses and internship requirements for the degree and certification.

Please review the COE Certification webpage for application and additional information.



Curriculum and Instruction, MEd - Specialization in Elementary Education

Master of Education: College of Education

Degree Requirements

The following represents minimal expectations for the completion of a master's degree in the College of Education. Each department establishes specific degree requirements for its major areas. For more information, students should consult the department or program of their choice.

A Master's degree in the College of Education requires a minimum of 30 graduate credit hours; however, some program areas require additional credit hours.

A degree plan is required; students must complete a degree plan in MyAdvisor.

The master level courses numbered at the 6000- and 7000-levels.

The College of Education requires approval by a faculty advisor for all courses outside the college bearing numbers lower than 6000 for a degree program. College of Education courses numbered lower than 6000 cannot apply toward a graduate degree.

Students must earn all term credit hours, including thesis, within the five years prior to graduation.

The College of Education accepts a maximum of nine term credit hours of transfer credit from an accredited university, with the approval of a faculty advisor and the college's Associate Dean of Graduate Studies.

Transfer students must complete at least 24 graduate credit hours at the University of Houston (after admission to the graduate program). Of these hours, no less than 18 graduate credit hours must be in courses numbered 6000 or above.

All transfer and subsequent work require a minimum 3.00 grade point average (A=4.00). Grades lower than a C does not count for graduate credit.

A graduate student receiving a grade of C+ or lower in 12 term hours of credit at the University of Houston, whether or not in repeated courses, is ineligible for any advanced degree and cannot re-enroll for graduate study.

Students use MyAdvisor to reflect benchmark requirements for degree completion; a degree plan requires approval by a faculty advisor, the program coordinator, the department chair, and the Dean prior to completing 18 semester hours of credit.

Department Requirements

All students in the CUI Masters of Education program must take nine (9) graduate credit hours of common core (Professional Seminars I and II and Capstone).

-- Students satisfactorily complete a Capstone project during their final term of course work.

All students in the EPLS Department for the MEd in Administration and Supervision and EdD in Professional Leadership are required to complete TExES Certification (Principal or Superintendent) in lieu of a comprehensive exam.

Graduation Requirements

Complete all applicable graduate coursework and benchmarks prior to proposed graduation. Students should file an application for graduation in MyUH early in the final term of their degree. The university's Academic Calendar lists the application filing deadlines per term. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.



Curriculum and Instruction, MEd - Specialization in Gifted and Talented Education

Master of Education: College of Education

Degree Requirements

The following represents minimal expectations for the completion of a master's degree in the College of Education. Each department establishes specific degree requirements for its major areas. For more information, students should consult the department or program of their choice.

A Master's degree in the College of Education requires a minimum of 30 graduate credit hours; however, some program areas require additional credit hours.

A degree plan is required; students must complete a degree plan in MyAdvisor.

The master level courses numbered at the 6000- and 7000-levels.

The College of Education requires approval by a faculty advisor for all courses outside the college bearing numbers lower than 6000 for a degree program. College of Education courses numbered lower than 6000 cannot apply toward a graduate degree.

Students must earn all term credit hours, including thesis, within the five years prior to graduation.

The College of Education accepts a maximum of nine term credit hours of transfer credit from an accredited university, with the approval of a faculty advisor and the college's Associate Dean of Graduate Studies.

Transfer students must complete at least 24 graduate credit hours at the University of Houston (after admission to the graduate program). Of these hours, no less than 18 graduate credit hours must be in courses numbered 6000 or above.

All transfer and subsequent work require a minimum 3.00 grade point average (A=4.00). Grades lower than a C does not count for graduate credit.

A graduate student receiving a grade of C+ or lower in 12 term hours of credit at the University of Houston, whether or not in repeated courses, is ineligible for any advanced degree and cannot re-enroll for graduate study.

Students use MyAdvisor to reflect benchmark requirements for degree completion; a degree plan requires approval by a faculty advisor, the program coordinator, the department chair, and the Dean prior to completing 18 semester hours of credit.

Department Requirements

All students in the CUIN Masters of Education program must take nine (9) graduate credit hours of common core (Professional Seminars I and II and Capstone).

-- Students satisfactorily complete a Capstone project during their final term of course work.

All students in the EPLS Department for the MEd in Administration and Supervision and EdD in Professional Leadership are required to complete TExES Certification (Principal or Superintendent) in lieu of a comprehensive exam.

Graduation Requirements

Complete all applicable graduate coursework and benchmarks prior to proposed graduation. Students should file an application for graduation in MyUH early in the final term of their degree. The university's Academic Calendar lists the application filing deadlines per term. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.



Curriculum and Instruction, MEd - Specialization in Health Science Education

College of Education > Department of Curriculum and Instruction > Curriculum and Instruction, MEd - Specialization in Health Science Education

The Master's program is designed to meet the needs of professionals involved in health science education and course content focuses on teaching and learning in academic health science settings. The instructors utilize academic activities that students can use in their professional lives as they explore best practices in teaching, learn to design and conduct research and investigate the uses of instructional technology in an educational environment.

Students in the Master's program for health science education typically work in a wide variety of different vocations. They include physicians, dentists, nurse educators, healthcare administrators, family therapists and others who work in various healthcare fields in the Texas Medical Center, the Houston area and other locations in the state and region.

We anticipate that upon earning the Master's degree, many of our graduates will stay in the Houston area and seek positions within their respective institutions, such as Baylor College of Medicine, the UT Medical and Dental Schools, MD Anderson Cancer Center, Methodist Hospital, University of Texas Medical Branch, the Houston Independent School District, Houston Community College, San Jacinto College, etc. We believe that most of our graduates will move up in their current institutions or seek new positions in academic healthcare institutions or other locations where they will have educational roles and responsibilities in instructional design, curriculum development, teaching and more.

For more information, please visit the [Graduate Programs for Health Science Educators](#) page.

Admission Requirements

The Master's program is delivered completely online and is open to applicants who:

- are currently working or have worked at a healthcare institution, or in private practice, and
- have earned a baccalaureate degree with an overall Grade Point Average (GPA) of at least 2.6 for undergraduate coursework (A = 4.00) for conditional admission. Conditionally admitted students must earn a grade point average of at least 3.0 in the first 12 semester hours of graduate work attempted at UH after admission, to remain in the graduate program.

Applicants with an overall GPA of less than 2.6 cannot be admitted. Since all coursework and degree requirements may be completed online, students in the Master's program do not need to live in the Houston area or attend any face-to-face classes.

Please visit the [Admissions Information](#) page for more information.

Degree Requirements

Credit hours required for this degree: 30.0

Master's students must complete 10 online courses (30 semester hours) to earn a master's degree, and 2 courses are offered each fall, spring and summer semesters. Most students take 2 courses per semester for five semesters in a row and can complete the course requirements and earn the degree in under two years. In addition to the 10 courses that students take, a capstone project is required and is normally submitted upon completion of coursework. Since all coursework and degree requirements may be completed online, students in the master's program do not need to attend any face-to-face classes.

Course Requirements

Students are required to complete at least one of the following two courses:



CUIN 7391 - Curriculum Development for Health Sciences Education **Credit Hours: 3.0**

CUIN 7390 - Instructional Design **Credit Hours: 3.0**

However, depending on a student's individual degree plan, both of these courses may be taken and can count toward the master's degree.

Additional Required Courses

In addition, master's students must complete at least two of the following courses, although depending on a student's individual degree plan, three or four of these courses may be taken and can count toward the master's degree.

CUIN 6307 - Change and Diffusion **Credit Hours: 3.0**

CUIN 7378 - Models of Teaching **Credit Hours: 3.0**

CUIN 7381 - Instructional Evaluation **Credit Hours: 3.0**

CUIN 7345 - Learning Theories for Instruction **Credit Hours: 3.0**

Course Electives

Students will select their remaining courses from the following list*:

CUIN 7305 - Design, Development, & Evaluation of Presentations **Credit Hours: 3.0**

CUIN 7308 - Educational Uses of CMC **Credit Hours: 3.0**

CUIN 7356 - Issues in Distance Education **Credit Hours: 3.0**

CUIN 7358 - Educational Uses of Digital Storytelling **Credit Hours: 3.0**

CUIN 7368 - Digital Imaging in Education **Credit Hours: 3.0**

CUIN 7376 - New Tools for Creating Online Educational Materials **Credit Hours: 3.0**

CUIN 7389 - Digital Media **Credit Hours: 3.0**

* Other Course Options

With the consent of their academic advisor, students may take other educationally relevant courses that are taught face-to-face, online or in a hybrid format through the main campus of the University of Houston.

Academic Policies

University of Houston Academic Policies

College Academic Policies

It is the responsibility of students to read the Graduate and Professional Studies Catalog and be familiar with the requirements, rules, and policies currently in effect for all graduate students at the University of Houston. The main catalog page is available here: [2018-2019 Graduate Catalog](#).

Transfer Credit

A maximum of two courses (6 semester hours) of graduate work with a grade of A or B or its equivalent and relevant to the planned program may be transferred from another university into the Master's program. Official transcripts showing successful completion of these courses must be submitted. Transfer credit is subject to approval of a student's advisor, department chair and the College of Education's Associate Dean for Graduate Studies.

Master's Capstone Project



All Master's students must complete a Capstone Project. The purpose of the Capstone Project is to demonstrate the depth and breadth of a student's educational growth through the Master's program including the knowledge and skills gained as well as growth as a reflective practitioner. The Master's Capstone Project consists of two components: a project design document and a narrated multimedia presentation. Project components are presented through a self-running narrated PowerPoint presentation that includes examples and demonstrations of content knowledge, instructional practices relevant to the student's professional goals in an academic health science setting.

The topic of the Capstone Project is determined by the student, with approval of a student's advisor. Students are encouraged to select a topic about which they have some prior knowledge and is related to a real-world problem or issue. The Capstone Project should address an instructional need that can be identified and effectively addressed in the presentation. All components of the Capstone Project are due at least two weeks before the end of a student's final semester. Students should consult with their advisor on how to submit copies of the multimedia presentation and the written design document. More information about the Capstone Project is online at: http://medical.coe.uh.edu/requirements_masters.html.

Curriculum and Instruction, MEd - Specialization in Learning, Design and Technology

Colleges > College of Education > Curriculum and Instruction, MEd - with Specializations > Curriculum and Instruction, MEd - Specialization in Learning, Design and Technology

The Master's program in Curriculum & Instruction - Learning, Design & Technology systematically prepares education, health care, and business professionals to create, deliver and analyze instruction and improve performance using effective technology tools. The program provides opportunities to learn new and innovative skills to integrate the latest technologies in teaching and learning. There is a strong connection between course activities and implementing and improving practices in an instructional setting.

Students learn the following skills:

- Integrating technology** into educational practice to improve learning in innovative and creative ways,
- Using a **diverse range of technologies** to connect and collaborate with others,
- Designing **authentic learning experiences** and assessments using the instructional design process,
- Applying and incorporating **digital citizenship** in teaching and learning activities,
- Engaging learners** through online and blended instructional approaches,
- Strategically planning** for technology use, implementation and dissemination in educational practice, and
- Making sound decisions based on research about the use of technology to **support and enhance learning**.

For more information, please visit the Master of Education (M. Ed.) Curriculum & Instruction - Learning, Design & Technology website.

Master of Education: College of Education

Degree Requirements

The following represents minimal expectations for the completion of a master's degree in the College of Education. Each department establishes specific degree requirements for its major areas. For more information, students should consult the department or program of their choice.

A Master's degree in the College of Education requires a minimum of 30 graduate credit hours; however, some program areas require additional credit hours.

A degree plan is required; students must complete a degree plan in MyAdvisor.

The master level courses numbered at the 6000- and 7000-levels.



The College of Education requires approval by a faculty advisor for all courses outside the college bearing numbers lower than 6000 for a degree program. College of Education courses numbered lower than 6000 cannot apply toward a graduate degree.

Students must earn all term credit hours, including thesis, within the five years prior to graduation.

The College of Education accepts a maximum of nine term credit hours of transfer credit from an accredited university, with the approval of a faculty advisor and the college's Associate Dean of Graduate Studies.

Transfer students must complete at least 24 graduate credit hours at the University of Houston (after admission to the graduate program). Of these hours, no less than 18 graduate credit hours must be in courses numbered 6000 or above.

All transfer and subsequent work require a minimum 3.00 grade point average (A=4.00). Grades lower than a C does not count for graduate credit.

A graduate student receiving a grade of C+ or lower in 12 term hours of credit at the University of Houston, whether or not in repeated courses, is ineligible for any advanced degree and cannot re-enroll for graduate study.

Students use MyAdvisor to reflect benchmark requirements for degree completion; a degree plan requires approval by a faculty advisor, the program coordinator, the department chair, and the Dean prior to completing 18 semester hours of credit.

Department Requirements

All students in the CUIN Masters of Education program must take nine (9) graduate credit hours of common core (Professional Seminars I and II and Capstone).

-- Students satisfactorily complete a Capstone project during their final term of course work.

All students in the EPLS Department for the MEd in Administration and Supervision and EdD in Professional Leadership are required to complete TExES Certification (Principal or Superintendent) in lieu of a comprehensive exam.

Graduation Requirements

Complete all applicable graduate coursework and benchmarks prior to proposed graduation. Students should file an application for graduation in MyUH early in the final term of their degree. The university's Academic Calendar lists the application filing deadlines per term. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.

Course Requirements

Credit hours required for this degree: 30.0

The Learning, Design & Technology master's program consists of ten courses - two Curriculum and Instruction core courses (CUIN 7303: Professional Seminar 1 and CUIN 7304: Professional Seminar 2) and eight Learning, Design & Technology specialization courses for a total of 10 courses or 30 graduate hours. The program can be completed in five semesters when students enroll part-time (2 courses each semester).

Each semester, students can choose classes that are taught face-to-face on the main UH Campus or at the new UH Sugar Land campus or they can choose online classes. Student may even complete the entire degree online if they wish.

Required Courses:

CUIN 7303 - Professional Seminar I **Credit Hours: 3.0**

CUIN 7304 - Professional Seminar II **Credit Hours: 3.0**

CUIN 7347 - Seminar in Learning, Design & Technology **Credit Hours: 3.0**

CUIN 7390 - Instructional Design **Credit Hours: 3.0**

Electives: 6 additional courses of approved electives (18 credits)



Example Degree Plan

Fall Semester 1

CUIN 7303 - Professional Seminar I **Credit Hours: 3.0**

Choose one course below:

CUIN 7358 - Educational Uses of Digital Storytelling **Credit Hours: 3.0**

CUIN 7368 - Digital Imaging in Education **Credit Hours: 3.0**

CUIN 7374 - Educational Multimedia **Credit Hours: 3.0**

Spring Semester 1

CUIN 7390 - Instructional Design **Credit Hours: 3.0**

Choose one course below:

CUIN 7316 - Design Online Educational Resources **Credit Hours: 3.0**

CUIN 7350 - Integrating Technology into the Curriculum **Credit Hours: 3.0**

Summer Semester 1

Taught in odd-numbered years:

CUIN 7356 - Issues in Distance Education **Credit Hours: 3.0**

CUIN 7376 - New Tools for Creating Online Educational Materials **Credit Hours: 3.0**

OR

Taught in even-numbered years:

CUIN 7305 - Design, Development, & Evaluation of Presentations **Credit Hours: 3.0**

CUIN 7389 - Digital Media **Credit Hours: 3.0**

Fall Semester 2

CUIN 7347 - Seminar in Learning, Design & Technology **Credit Hours: 3.0**

Choose one course below:

CUIN 7308 - Educational Uses of CMC **Credit Hours: 3.0**

CUIN 7358 - Educational Uses of Digital Storytelling **Credit Hours: 3.0**

CUIN 7374 - Educational Multimedia **Credit Hours: 3.0**

Spring Semester 2

CUIN 7304 - Professional Seminar II **Credit Hours: 3.0**

Choose one course below:

CUIN 7316 - Design Online Educational Resources **Credit Hours: 3.0**

CUIN 7318 - Current Issues in Learning & Design **Credit Hours: 3.0**

CUIN 7350 - Integrating Technology into the Curriculum **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies

Department Academic Policies



In addition to completing 10 courses, students submit a Capstone Project as part of the program requirements for the Learning, Design & Technology Master's program. The Capstone Project provides students with the opportunity to apply, integrate and synthesize key concepts learned from courses in the program. This project demonstrates the depth and breadth of educational growth through the program and highlights the knowledge and skills gained, as well as development as a reflective practitioner. Students identify an authentic and challenging technology-related problem and then design, develop, implement and evaluate a proposed solution to meet that need.

Under most circumstances and with careful planning, students may complete the course requirements for Master Technology Teacher certification from the Texas State Board of Education at the same time without taking additional courses. Students may also use master's courses to count towards the requirements for three UH Graduate Certificates in Designing and Developing Educational Graphics, Designing and Developing Educational Multimedia, and Online Teaching and Learning.

Curriculum and Instruction, MEd - Specialization in Mathematics Education

Master of Education: College of Education

Degree Requirements

The following represents minimal expectations for the completion of a master's degree in the College of Education. Each department establishes specific degree requirements for its major areas. For more information, students should consult the department or program of their choice.

A Master's degree in the College of Education requires a minimum of 30 graduate credit hours; however, some program areas require additional credit hours.

A degree plan is required; students must complete a degree plan in MyAdvisor.

The master level courses numbered at the 6000- and 7000-levels.

The College of Education requires approval by a faculty advisor for all courses outside the college bearing numbers lower than 6000 for a degree program. College of Education courses numbered lower than 6000 cannot apply toward a graduate degree.

Students must earn all term credit hours, including thesis, within the five years prior to graduation.

The College of Education accepts a maximum of nine term credit hours of transfer credit from an accredited university, with the approval of a faculty advisor and the college's Associate Dean of Graduate Studies.

Transfer students must complete at least 24 graduate credit hours at the University of Houston (after admission to the graduate program). Of these hours, no less than 18 graduate credit hours must be in courses numbered 6000 or above.

All transfer and subsequent work require a minimum 3.00 grade point average (A=4.00). Grades lower than a C does not count for graduate credit.

A graduate student receiving a grade of C+ or lower in 12 term hours of credit at the University of Houston, whether or not in repeated courses, is ineligible for any advanced degree and cannot re-enroll for graduate study.

Students use MyAdvisor to reflect benchmark requirements for degree completion; a degree plan requires approval by a faculty advisor, the program coordinator, the department chair, and the Dean prior to completing 18 semester hours of credit.

Department Requirements

All students in the CUIN Masters of Education program must take nine (9) graduate credit hours of common core (Professional Seminars I and II and Capstone).

-- Students satisfactorily complete a Capstone project during their final term of course work.

All students in the EPLS Department for the MEd in Administration and Supervision and EdD in Professional Leadership are required to complete TEXES Certification (Principal or Superintendent) in lieu of a comprehensive exam.



Graduation Requirements

Complete all applicable graduate coursework and benchmarks prior to proposed graduation. Students should file an application for graduation in MyUH early in the final term of their degree. The university's Academic Calendar lists the application filing deadlines per term. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.

Curriculum and Instruction, MEd - Specialization in Reading and Language Arts Education

Master of Education: College of Education

Degree Requirements

The following represents minimal expectations for the completion of a master's degree in the College of Education. Each department establishes specific degree requirements for its major areas. For more information, students should consult the department or program of their choice.

A Master's degree in the College of Education requires a minimum of 30 graduate credit hours; however, some program areas require additional credit hours.

A degree plan is required; students must complete a degree plan in MyAdvisor.

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Department Requirements

All students in the CUIN Masters of Education program must take nine (9) graduate credit hours of common core (Professional Seminars I and II and Capstone).

-- Students satisfactorily complete a Capstone project during their final term of course work.

All students in the EPLS Department for the MEd in Administration and Supervision and EdD in Professional Leadership are required to complete TEXES Certification (Principal or Superintendent) in lieu of a comprehensive exam.



Graduation Requirements

Complete all applicable graduate coursework and benchmarks prior to proposed graduation. Students should file an application for graduation in MyUH early in the final term of their degree. The university's Academic Calendar lists the application filing deadlines per term. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.

Curriculum and Instruction, MEd - Specialization in Science Education

Master of Education: College of Education

Degree Requirements

The following represents minimal expectations for the completion of a master's degree in the College of Education. Each department establishes specific degree requirements for its major areas. For more information, students should consult the department or program of their choice.

A Master's degree in the College of Education requires a minimum of 30 graduate credit hours; however, some program areas require additional credit hours.

A degree plan is required; students must complete a degree plan in MyAdvisor.

The master level courses numbered at the 6000- and 7000-levels.

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Students use MyAdvisor to reflect benchmark requirements for degree completion; a degree plan requires approval by a faculty advisor, the program coordinator, the department chair, and the Dean prior to completing 18 semester hours of credit.

Department Requirements

All students in the CUIN Masters of Education program must take nine (9) graduate credit hours of common core (Professional Seminars I and II and Capstone).

-- Students satisfactorily complete a Capstone project during their final term of course work.

All students in the EPLS Department for the MEd in Administration and Supervision and EdD in Professional Leadership are required to complete TExES Certification (Principal or Superintendent) in lieu of a comprehensive exam.

Graduation Requirements



Complete all applicable graduate coursework and benchmarks prior to proposed graduation. Students should file an application for graduation in MyUH early in the final term of their degree. The university's Academic Calendar lists the application filing deadlines per term. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.

Curriculum and Instruction, MEd - Specialization in Second Language Education

Master of Education: College of Education

Degree Requirements

The following represents minimal expectations for the completion of a master's degree in the College of Education. Each department establishes specific degree requirements for its major areas. For more information, students should consult the department or program of their choice.

A Master's degree in the College of Education requires a minimum of 30 graduate credit hours; however, some program areas require additional credit hours.

A degree plan is required; students must complete a degree plan in MyAdvisor.

The master level courses numbered at the 6000- and 7000-levels.

The College of Education requires approval by a faculty advisor for all courses outside the college bearing numbers lower than 6000 for a degree program. College of Education courses numbered lower than 6000 cannot apply toward a graduate degree.

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Department Requirements

All students in the CUI Masters of Education program must take nine (9) graduate credit hours of common core (Professional Seminars I and II and Capstone).

-- Students satisfactorily complete a Capstone project during their final term of course work.

All students in the EPLS Department for the MEd in Administration and Supervision and EdD in Professional Leadership are required to complete TExES Certification (Principal or Superintendent) in lieu of a comprehensive exam.

Graduation Requirements

Complete all applicable graduate coursework and benchmarks prior to proposed graduation. Students should file an application for graduation in MyUH early in the final term of their degree. The university's Academic Calendar lists the application filing deadlines per term. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.



Curriculum and Instruction, MEd - Specialization in Secondary Education

Master of Education: College of Education

Degree Requirements

The following represents minimal expectations for the completion of a master's degree in the College of Education. Each department establishes specific degree requirements for its major areas. For more information, students should consult the department or program of their choice.

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Students use MyAdvisor to reflect benchmark requirements for degree completion; a degree plan requires approval by a faculty advisor, the program coordinator, the department chair, and the Dean prior to completing 18 semester hours of credit.

Department Requirements

All students in the CUIN Masters of Education program must take nine (9) graduate credit hours of common core (Professional Seminars I and II and Capstone).

-- Students satisfactorily complete a Capstone project during their final term of course work.

All students in the EPLS Department for the MEd in Administration and Supervision and EdD in Professional Leadership are required to complete TEXES Certification (Principal or Superintendent) in lieu of a comprehensive exam.

Graduation Requirements

Complete all applicable graduate coursework and benchmarks prior to proposed graduation. Students should file an application for graduation in MyUH early in the final term of their degree. The university's Academic Calendar lists the application filing deadlines per term. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.

Curriculum and Instruction, MEd - Specialization in Social Studies Education



Master of Education: College of Education

Degree Requirements

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A degree plan is required; students must complete a degree plan in MyAdvisor.

The master level courses numbered at the 6000- and 7000-levels.

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Students use MyAdvisor to reflect benchmark requirements for degree completion; a degree plan requires approval by a faculty advisor, the program coordinator, the department chair, and the Dean prior to completing 18 semester hours of credit.

Department Requirements

All students in the CUIN Masters of Education program must take nine (9) graduate credit hours of common core (Professional Seminars I and II and Capstone).

-- Students satisfactorily complete a Capstone project during their final term of course work.

All students in the EPLS Department for the MEd in Administration and Supervision and EdD in Professional Leadership are required to complete TEXES Certification (Principal or Superintendent) in lieu of a comprehensive exam.

Graduation Requirements

Complete all applicable graduate coursework and benchmarks prior to proposed graduation. Students should file an application for graduation in MyUH early in the final term of their degree. The university's Academic Calendar lists the application filing deadlines per term. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.

Curriculum and Instruction, MEd - Specialization in STEM Education

The M.Ed. in Curriculum and Instruction (CUIN) with a specialization in STEM Education is a 30 credit-hour program with a Capstone Project. The curriculum and delivery of the coursework builds from lessons learned from the integration of Science, Mathematics, and Reflective Teaching (iSMART) M.Ed. program where 91 of 97 middle grades science and mathematics Texas teachers (four cohorts of 22-27, 94%



retention) successfully completed the program. iSMART's purpose was to develop and implement a research-based graduate program focusing on science and mathematics integration, technology, and teacher leadership.

Degree Requirements

CUIN 7303 - Professional Seminar I **Credit Hours: 3.0**

CUIN 7304 - Professional Seminar II **Credit Hours: 3.0**

CUIN 7301 - CUIN Capstone Seminar **Credit Hours: 3**

CUIN 7340 - Issues in Mathematics Education **Credit Hours: 3.0**

CUIN 6346 - Teaching Mathematics and Science with Technology **Credit Hours: 3**

CUIN 7322 - Curric Dev in Sci Ed **Credit Hours: 3.0**

CUST 6311 - Edu-Multicultrl Society **Credit Hours: 3.0**

CUIN 6397 - Selected Topics in C&I **Credit Hours: 3.00**

Topics:

Fundamentals in Engineering Design

Project-Based Learning in STEM Education

Academic Policies

University of Houston Academic Policies

Academic Policies: College of Education

Curriculum and Instruction, MEd - Specialization in Teaching

Master of Education: College of Education

Degree Requirements

The following represents minimal expectations for the completion of a master's degree in the College of Education. Each department establishes specific degree requirements for its major areas. For more information, students should consult the department or program of their choice.

A Master's degree in the College of Education requires a minimum of 30 graduate credit hours; however, some program areas require additional credit hours.

A degree plan is required; students must complete a degree plan in MyAdvisor.

The master level courses numbered at the 6000- and 7000-levels.

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Department Requirements

All students in the CUIN Masters of Education program must take nine (9) graduate credit hours of common core (Professional Seminars I and II and Capstone).

-- Students satisfactorily complete a Capstone project during their final term of course work.

All students in the EPLS Department for the MEd in Administration and Supervision and EdD in Professional Leadership are required to complete TExES Certification (Principal or Superintendent) in lieu of a comprehensive exam.

Graduation Requirements

Complete all applicable graduate coursework and benchmarks prior to proposed graduation. Students should file an application for graduation in MyUH early in the final term of their degree. The university's Academic Calendar lists the application filing deadlines per term. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.

Curriculum and Instruction, MEd - with Specializations

College of Education > Department of Curriculum and Instruction > Curriculum and Instruction, MEd - with Specializations

The Department of Curriculum and Instruction offers an M.Ed. in Curriculum & Instruction in the following specializations:

- Art Education
- Early Childhood Education
- Elementary Education
- Health Science Education
- Learning, Design, and Technology
- Mathematics Education
- Reading, Language Arts, and Literature Education
- Science Education
- Social Education/Social Studies
- STEM Education
- Teaching

The Department of Curriculum and Instruction prepares teachers and other educators to meet the special demands of educational, health, cultural, and other human service settings. The UH Teacher Education Program at the University of Houston has received the Distinguished Program in Teacher Education Award from the Association of Teacher Educators - the only competitive award for excellence in teacher education in the United States.

Admission Requirements

The College of Education takes into consideration a number of criteria when determining admission, including

prior college or university performance,



letters of recommendation,
standardized test scores and
statement of intent.

All applicants must abide by the minimum qualifications for admissions to a masters or doctoral program.

All graduate applicants (regardless of citizenship status) must demonstrate proficiency in English to obtain admission to the University.

For more information, visit <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency/>.

An applicant is responsible for ensuring that all required materials for the evaluation of admissions are received by the College before the program's deadline. If the application is not complete by the program's deadline, it will not be evaluated for the admissions. Full details of the online application process can be found at www.uh.edu/graduate-school/admissions/how-to-apply.

Applicant checklist:

Complete online graduate application including statement of interest, resume/c.v., letters of recommendation, and application fee payment.

Official transcripts from all previous college/university work sent to the UH Graduate School.

Official reporting of GRE scores taken in the last five years

International students have additional documentation requirements which can be found at www.uh.edu/graduate-school/admissions/international-students/

Grade Point Average Requirements

Admission requirements for the College of Education require a minimum cumulative grade point average (GPA) of 2.6 for undergraduate coursework or over the last 60 credit hours of coursework.

The College requires a minimum cumulative grade point average (GPA) of 3.0 for graduate coursework.

The College's admission committees evaluate all credentials submitted by applicants to determine a student's ability and potential to succeed in graduate study.

In addition, the committee is interested in the applicant's potential to contribute to his/her program of study and the University community as a whole.

Degree Requirements

The Master of Education degree requires

Completion of a minimum of 30 credit hours

In the areas of Mathematics Education and Social Education/Social Studies, there is also a 36-credit hour option.

All students, regardless of specialization, must complete the Curriculum and Instruction Core.

For the remaining requirements, please visit the pages for each specialization (list and links above)

Successful capstone project.

Curriculum and Instruction Core

6.0 Credit Hours

CUIN 7303 - Professional Seminar I **Credit Hours: 3.0**

CUIN 7304 - Professional Seminar II **Credit Hours: 3.0**

Academic Policies

University Academic Policies



Curriculum and Instruction, PhD

The PhD in Curriculum and Instruction prepares aspiring scholars and researchers to meet today's challenges to education in multicultural urban settings. The Houston metropolitan area, with over one and a half million K-12 students, is a laboratory of practice for our PhD students from nearby and from around the world. Here, they can engage in inquiry on critical issues and needs germane to education in an increasingly diverse society.

Graduates of the PhD program in Curriculum and Instruction typically pursue the following careers:

- University faculty members
- Researchers in educational settings
- Curriculum design experts
- Content area and program evaluation directors
- Advocates for policy improvements

Innovation, diversity and excellence are words that characterize this PhD program at the University of Houston. UH is recognized as one of only three national Tier One Hispanic-serving public research universities. It is also designated as an Asian-American serving institution. It is now welcoming the best and brightest local, national and international students into its PhD program in Curriculum and Instruction.

Specialization Areas

There are eight areas of emphasis within the Doctor of Education program that reflect specific career aspirations. Questions about a specialization should be directed to the faculty advisor in each of the areas described below.

Art Education. The doctoral program with specialization in Art Education is designed to prepare graduates for leadership roles in the teaching of art. Course work includes curriculum design, current issues and trends, and new technology in art. Students in the doctoral program are required to complete original research and are encouraged to be involved with professional organizations through publication and presentation. Study in this area prepares students for leadership roles as university teachers, curriculum coordinators for the public schools, and educational leadership in non-school settings such as museum education.

Early Childhood Education. The Early Childhood Education emphasis is designed to meet the educational needs of researchers who seek to improve their investigative and instructional skills in early childhood education settings within urban environments. Courses, field experiences, and research studies are complemented with progressively more involved curricula encompassing young children in group settings within public and private settings. Such training is the best possible preparation for careers in higher education, in schools as educational leaders and in child-related agencies.

Learning, Design, and Technology. The Learning, Design, and Technology emphasis prepares graduates to be active leaders in the use of instructional technologies in education at all levels, from early childhood through post-secondary, in business and industry, and in other organizations with educational components. The program emphasizes scholarly exploration in the areas of design and development of technology-based resources, curriculum development, teaching, design of learning environments, and assessment of programs and learning outcomes. Doctoral students develop broad understandings of current instructional technology trends and issues, as well as focus on a field of specialty that will provide for rich scholarly exploration in the future.

Mathematics Education. The doctoral program with an emphasis in Mathematics Education integrates curriculum and instructional theories, technology, issues of equity and social justice, research, and practice in order to prepare graduates to fill a variety of leadership positions. Graduates have assumed positions as mathematics education researchers, professional developers, mathematics supervisors in school districts, and mathematics teachers at elementary, secondary, and post-secondary levels. The degree offers students with opportunities to investigate mathematics education at all grade levels (pre-school through secondary).



Reading, Language Arts, and Literature. The doctoral program in Reading, Language Arts, and Literature concentrates on the effective teaching of reading, writing, and communicating. Literacy development, content area reading, clinical diagnosis, psychology of reading, reading comprehension, and the analysis of reading programs and other curriculum materials in language arts are studied in advanced seminars. In addition, this program provides for advanced study in literature for children and young adults. Graduates from the program are university professors, literacy curriculum specialists, school administrators, and campus literacy coaches.

Science Education. The doctoral program with emphasis in Science Education prepares graduates to fill a variety of leadership positions in education. The many graduates have assumed positions as: science education researchers and teacher trainers at universities; science supervisors in school systems; science teachers at pre-college and college levels; educational specialists at zoos, planetariums, and museums; and directors of training programs in business and industry. The degree serves to bridge the career aspirations of the candidate with his or her expertise and experiences. It places emphasis upon research and scholarly activity in the areas of curriculum development, teaching skills and instructional strategies, and theories of learning. A major focus is the improvement of scientific and technological literacy of school-age children and adults in the U.S.

Social Education. The doctoral program in Social Studies Education is designed to prepare college instructors, researchers, curriculum leaders, and teachers who are able to draw upon the social and behavioral sciences to understand and investigate problems in education. Program students are encouraged to select course work and learning experiences that are relevant to their own professional academic goals. The student may select a theme that will provide an interdisciplinary basis for his or her program. The program also provides for attention to the teaching of social issues, the social sciences and history as well as to such topics as curriculum construction, controversial issues, the conduct of inquiry, and political socialization.

Teaching and Teacher Education. This area of emphasis provides the student with an intensive study of curricular and teacher effectiveness. It has been designed to enable educational practitioners -teachers, supervisors, staff developers, administrators, and those who aspire to be involved in curriculum development or teacher preparation and training at the university or college level to engage in stimulating, in-depth study and research with nationally recognized faculty. The experiences have been carefully planned to provide a mixture of knowledge, research, and practical experience.

Admission Requirements

The College of Education takes into consideration a number of criteria when determining admission, including prior college or university performance, letters of recommendation, standardized test scores and statement of intent. All applicants must abide by the minimum qualifications for admissions to a masters or doctoral program. All graduate applicants (regardless of citizenship status) must demonstrate proficiency in English to obtain admission to the University. For more information, visit <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency>.

An applicant is responsible for ensuring that all required materials for the evaluation of admissions are received by the College before the program's deadline. If the application is not complete by the program's deadline, it will not be evaluated for the admissions. Full details of the online application process can be found at www.uh.edu/graduate-school/admissions/how-to-apply.

Applicant checklist:

Complete online graduate application including statement of interest, resume/c.v., writing sample, letters of recommendation, and application fee payment.

Official transcripts from all previous college/university work sent to the UH Graduate School.

International students have additional documentation requirements which can be found at www.uh.edu/graduate-school/admissions/international-students/

GRE Waiver



The GRE requirement is waived for applicants to the PhD in Curriculum and Instruction program who have at least one of the following from an institution:

- an overall undergraduate grade point average of 3.00 or higher (on a 4-point scale), or
- a master's or terminal degree.

Grade Point Average Requirements

Admission requirements for the College of Education require a minimum cumulative grade point average (GPA) of 2.6 for undergraduate coursework or over the last 60 credit hours of coursework. The College requires a minimum cumulative grade point average (GPA) of 3.0 for graduate coursework. The College's admission committees evaluate all credentials submitted by applicants to determine a student's ability and potential to succeed in graduate study. In addition, the committee is interested in the applicant's potential to contribute to his/her program of study and the University community as a whole.

Degree Requirements

Credit hours required for this degree: 66.0

Research Core (15.0 hours)

- CUIN 8370 - Intro to Educational Research **Credit Hours: 3.0**
- CUIN 8371 - Introduction to Quantitative Research **Credit Hours: 3.0**
- CUIN 8372 - Introduction to Qual Research **Credit Hours: 3.0**
- Two **research methods** courses from the elective list below

Curriculum and Instruction Core (24.0 hours)

- CUIN 7360 - Curriculum Theory **Credit Hours: 3.0**
- CUIN 8345 - Curriculum and Instruction Seminar **Credit Hours: 3.0**
- CUIN 8393 - Adv Internship & Prac **Credit Hours: 3.0**
- CUIN 8341 - Critical Issues & Research in Urban Education **Credit Hours: 3.0**
- CUIN 8342 - Social Justice and Equity **Credit Hours: 3.0**
- CUIN 8352 - Technology Applications for Educational Leaders **Credit Hours: 3**
- CUIN 8361 - The State of the Curriculum Field in Education **Credit Hours: 3.0**
- CUIN 7373 - Instr Strat Tchng Adult **Credit Hours: 3.0**

Program Area Emphasis/Electives (21.0 hours)

Research Methods Electives

After successful completion of the nine-hour introductory sequence (CUIN 8370, 8371, 8372), all doctoral students are required to complete two additional research courses (6 hours) in **quantitative or qualitative research methods** from the lists below, in consultation with their advisor.

Qualitative Methods

- CUIN 8365 - Organizational Psychology in Health Science Education **Credit Hours: 3.0**
- CUIN 8377 - Qualitative Inquiry in Education I **Credit Hours: 3.0**
- CUIN 8378 - Qualitative Inquiry in Education II **Credit Hours: 3.0**



CUIN 8386 - Advanced Issues in Qualitative Research **Credit Hours: 3.0**

SAER 8320 - Ethnographic Methods in Education **Credit Hours: 3.0**

Survey Methods & Measurement

PHLS 8300 - Advanced Educational & Psychological Measurement **Credit Hours: 3.0**

PHLS 8327 - Longitudinal Data Analysis in Psychology/Education Research **Credit Hours: 3.0**

Quantitative Methods

PHLS 8321 - Structural Equation Modeling in Psychological and Educational Research **Credit Hours: 3.0**

PHLS 8322 - Intermediate Statistical Analysis in Psychological and Educational Research **Credit Hours: 3.0**

PHLS 8324 - Multivariate Analysis in Psychological and Educational Research **Credit Hours: 3.0**

SAER 8321 - Survey Methods in Education **Credit Hours: 3.0**

Program Evaluation

SAER 8370 - Program Evaluation Research **Credit Hours: 3.0**

Dissertation (6.0 hours)

CUIN 8399 - Doctoral Dissertation **Credit Hours: 3**

Academic Policies

University of Houston Academic Policies

About the College of Education

During the first term of the program, all PhD students will receive a reading list of articles and books that are considered required reading for the program. Students are responsible for studying the entire list before they apply for the qualifying examination. Specialization area will provide separate reading lists.

Qualifying Examination

The CUIN doctoral qualifying examination is intended to assess the student's understanding of educational research methodologies, of the chosen field of study, and of how this chosen field is situated in the broader field of Curriculum and Instruction. It is also intended to assess the student's capacity to move into the dissertation phase of the program. The CUIN doctoral qualifying examination will be offered only in the fall and spring terms.

Designing and Developing Educational Graphics Certificate

Education > Graduate Certificate Programs > Designing and Developing Educational Graphics Certificate

This program prepares professionals working in education or private industry who desire to enhance their ability to design, create, and evaluate educational multimedia.

Criteria include 12 graduate credit hours and program certificate requirements. The program area is in the Department of Curriculum and Instruction.

For further information, please see <http://www.uh.edu/education/degree-programs/cuin-ldt-med/certifications/>.

Admission Requirements



Applicant checklist:

Online Application

A bachelor's or master's degree from an accredited institution with a GPA that reflects the ability to achieve a 3.0 GPA in graduate courses

Official transcripts showing degree conferral on file

Personal Statement

Resume or Curriculum Vitae

Additional international admission requirements are found at www.uh.edu/graduate-school/admissions/international-students/.

Please note that with the ApplyWeb application, all documents are uploaded in the application and are to be received by the University no later than the deadline. Applicants are required to submit official transcripts (electronically or by mail) to the University's Graduate School.

For details on the graduate application process, visit www.uh.edu/graduate-school/admissions/how-to-apply/.

Certificate Requirements

Credit hours required for this certificate: 12.0

In consultation with their advisor, students choose four courses (12 hours total) from the following:

CUIN 7305 - Design, Development, & Evaluation of Presentations **Credit Hours: 3.0** (Online)

CUIN 7358 - Educational Uses of Digital Storytelling **Credit Hours: 3.0** (Online)

CUIN 7368 - Digital Imaging in Education **Credit Hours: 3.0** (Hybrid)

CUIN 7376 - New Tools for Creating Online Educational Materials **Credit Hours: 3.0** (Online)

CUIN 7389 - Digital Media **Credit Hours: 3.0** (Online)

CUIN 7390 - Instructional Design **Credit Hours: 3.0** (Online)

Academic Policies

College Academic Policies

University of Houston Academic Policies

Designing and Developing Educational Multimedia Certificate

Education > Graduate Certificate Programs > Designing and Developing Educational Multimedia Certificate

This program prepares professionals working in education or private industry who desire to enhance their ability to design, create, and evaluate educational multimedia.

Criteria include 12 graduate credit hours and program certificate requirements. The program area is in the Department of Curriculum and Instruction.

For further information please see <http://www.uh.edu/education/degree-programs/cuin-ldt-med/certifications/>.

Admission Requirements

Applicant checklist:



Online Application

A bachelor's or master's degree from an accredited institution with a GPA that reflects the ability to achieve a 3.0 GPA in graduate courses

Official transcripts showing degree conferral on file

Personal statement

Resume or curriculum vitae

Additional international admission requirements are found at www.uh.edu/graduate-school/admissions/international-students/

Please note that with the ApplyWeb application, all documents are uploaded in the application and are to be received by the University no later than the deadline. Applicants are required to submit official transcripts (electronically or by mail) to the University's Graduate School.

For details on the graduate application process, visit www.uh.edu/graduate-school/admissions/how-to-apply/.

Certificate Requirements

Credit hours required for this certificate: 12.0

In consultation with their advisor, students choose four courses from the following:

CUIN 7305 - Design, Development, & Evaluation of Presentations **Credit Hours: 3.0** (Online)

CUIN 7357 - Collaborative Development of Multimedia **Credit Hours: 3.0** (Must be taken with CUIN 7327) (Hybrid)

CUIN 7358 - Educational Uses of Digital Storytelling **Credit Hours: 3.0** (Online)

CUIN 7376 - New Tools for Creating Online Educational Materials **Credit Hours: 3.0** (Online)

CUIN 7389 - Digital Media **Credit Hours: 3.0** (Online)

CUIN 7390 - Instructional Design **Credit Hours: 3.0** (Online)

Academic Policies

College Academic Policies

University of Houston Academic Policies

Elementary Initial Certificate

Initial Teaching Certificate

The College of Education offers initial teacher certification programs for students who have bachelor's degrees in all undergraduate fields of specialization. See the list of elementary, secondary, and all-level initial certificates in the Undergraduate Studies catalog.

Students who have completed a bachelor's degree and who desire initial certification should apply for a deficiency plan. Selected courses that are required for initial certification may, with the approval of a graduate advisor, be applied toward a master's degree program. Consult the Teacher Education and Certification Office, 112 Farish Hall, (713) 743-5000, for information and assistance in selecting the appropriate deficiency plan program. Students requiring a deficiency plan may obtain an application from the Teacher Education and Certification Office.

The initial certification requirements are similar to those listed in the Undergraduate Studies catalog. In lieu of the student teaching requirement, students may qualify for an internship program or substitute two years of full-time teaching experience in a school accredited by the State Board for Educator Certification, at the level(s) for which they seek certification, and six semester hours of approved education courses.



Students entering teacher preparation programs after May 1, 1984, are required by state of Texas regulations to have passed the Texas Academic Skills Program prior to being admitted to teacher education. All required sections of this test must be passed before being admitted to the program. Admission criteria are listed in the Undergraduate Studies catalog and are prerequisite to taking the required professional development courses. For specific information about this test, students should call University Testing Services, (713) 743-5444. Graduates of teacher education programs after May 1, 1986, are required by state of Texas regulations to take the Examination for the Certification of Educators in Texas upon completion of the program.

Students who plan to pursue a teaching certification program should consult the Teacher Education and Certification Office, 112 Farish Hall, for information about admission requirements and course requirements. Full admission to the Teacher Education program is a prerequisite to enrollment in the beginning certification courses.

All teacher certification transactions, including professional certificates and endorsements, are made through the College of Education. Inquiries should be directed to the Teacher Education and Certification Office, or the appropriate department, University of Houston, Houston, Texas 77204- 5871.

Elementary Professional Certificate

Teaching (30 semester hours)

Students who currently have the Texas Provisional Teaching Certificate may be able to obtain a Professional Teaching Certificate simultaneously with the master's degree. The master's degree advisor can design a degree plan that will incorporate certification requirements. The program includes 12 hours of academic specialization, six hours of professional development, six hours in a resource area, and six hours of approved electives. Three years of acceptable teaching experience is a prerequisite for this certificate.

English as a Second Language Endorsement

Generic Special Education Initial Certificate

Initial Teaching Certificate

The College of Education offers initial teacher certification programs for students who have bachelor's degrees in all undergraduate fields of specialization. See the list of elementary, secondary, and all-level initial certificates in the Undergraduate Studies catalog.

Students who have completed a bachelor's degree and who desire initial certification should apply for a deficiency plan. Selected courses that are required for initial certification may, with the approval of a graduate advisor, be applied toward a master's degree program. Consult the Teacher Education and Certification Office, 112 Farish Hall, (713) 743-5000, for information and assistance in selecting the appropriate deficiency plan program. Students requiring a deficiency plan may obtain an application from the Teacher Education and Certification Office.

The initial certification requirements are similar to those listed in the Undergraduate Studies catalog. In lieu of the student teaching requirement, students may qualify for an internship program or substitute two years of full-time teaching experience in a school accredited by the State Board for Educator Certification, at the level(s) for which they seek certification, and six semester hours of approved education courses.

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Graduates of teacher education programs after May 1, 1986, are required by state of Texas regulations to take the Examination for the Certification of Educators in Texas upon completion of the program.

Students who plan to pursue a teaching certification program should consult the Teacher Education and Certification Office, 112 Farish Hall, for information about admission requirements and course requirements. Full admission to the Teacher Education program is a prerequisite to enrollment in the beginning certification courses.

All teacher certification transactions, including professional certificates and endorsements, are made through the College of Education. Inquiries should be directed to the Teacher Education and Certification Office, or the appropriate department, University of Houston, Houston, Texas 77204- 5871.

Initial Teaching Certificate

The College of Education offers initial teacher certification programs for students who have bachelor's degrees in all undergraduate fields of specialization. See the list of elementary, secondary, and all-level initial certificates in the Undergraduate Studies catalog.

Students who have completed a bachelor's degree and who desire initial certification should apply for a deficiency plan. Selected courses that are required for initial certification may, with the approval of a graduate advisor, be applied toward a master's degree program. Consult the Teacher Education and Certification Office, 112 Farish Hall, (713) 743-5000, for information and assistance in selecting the appropriate deficiency plan program. Students requiring a deficiency plan may obtain an application from the Teacher Education and Certification Office.

The initial certification requirements are similar to those listed in the Undergraduate Studies catalog. In lieu of the student teaching requirement, students may qualify for an internship program or substitute two years of full-time teaching experience in a school accredited by the State Board for Educator Certification, at the level(s) for which they seek certification, and six term hours of approved education courses.

Students entering teacher preparation programs after May 1, 1984, are required by state of Texas regulations to have passed the Texas Academic Skills Program prior to being admitted to teacher education. All required sections of this test must be passed before being admitted to the program. Admission criteria are listed in the Undergraduate Studies catalog and are prerequisite to taking the required professional development courses. For specific information about this test, students should call University Testing Services, (713) 743-5444. Graduates of teacher education programs after May 1, 1986, are required by state of Texas regulations to take the Examination for the Certification of Educators in Texas upon completion of the program.

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All teacher certification transactions, including professional certificates and endorsements, are made through the College of Education. Inquiries should be directed to the Teacher Education and Certification Office, or the appropriate department, University of Houston, Houston, Texas 77204- 5871.

Innovative Technologies in Health Science Education, Certificate

Education > Graduate Certificate Programs > Innovative Technologies in Health Science Education, Certificate

The Innovative Technologies in Health Science Education Certificate is designed to provide healthcare professionals with expertise that will aid them as educators facilitating student learning and as managers of education programs, including curriculum leadership and scholarly inquiry into teaching and learning. The courses in this certificate provide students with the knowledge and skills necessary to use innovative technology tools to design interactive and engaging instructional resources that can be used in their professional careers. Courses specifically



focus on how create effective, educationally-sound, technology-based learning materials for use in training environments as well as to support the professional development of adult learners.

Students in this certificate program typically work in a wide variety of different vocations. They include physicians, dentists, nurse educators, healthcare administrators, family therapists and others who work in various healthcare fields in the Texas Medical Center, the Houston area and other locations in the state and region.

We anticipate that upon earning the certificate, many of our graduates will apply for the Master's degree program or seek new employment opportunities in academic healthcare institutions or other locations where they will have educational roles and responsibilities in instructional design, curriculum development, teaching and more.

For more information, please visit the Certificate in Integrating Innovative Technologies in Health Science Education program page.

Admission Requirements

The Certificate program is delivered completely online and is open to applicants who:

are currently working or have worked at a healthcare institution, or in private practice, and have earned a baccalaureate degree with an overall Grade Point Average (GPA) of at least 2.6 for undergraduate coursework (A = 4.00). Applicants with an overall GPA of less than 2.6 cannot be admitted. Since all coursework may be completed online, students in the Certificate program do not need to live in the Houston area or attend any face-to-face classes.

More specific information is online at: <http://medical.coe.uh.edu/admissions.htm>

Admissions applications must be submitted online through the UH Graduate School at <http://www.uh.edu/graduate-school/admissions/how-to-apply/>

Scanned copies of official transcripts can be uploaded as PDF files and may be used by programs to make admission decisions. Please follow the instructions online to properly scan and upload your transcript. If admitted, however, you will not be able to enroll without the official transcript(s) showing undergraduate degree conferral on file.

Official transcript(s) should be sent to:

Regular Mail:	Express Mail:	Electronic or "Speede" Transcript
<i>University of Houston Graduate Admissions P.O. Box 3947 Houston, TX 77253-3947</i>	<i>University of Houston Graduate Admissions 4302 University Dr., Room 102 Houston, TX 77204-2012</i>	Within the U.S., the fastest way to send your transcript is electronically. Please inquire at your previous institution about this option. Electronic transcripts can be delivered to gradschool@uh.edu .

The Graduate Record Exam (GRE) is not required for admission to the Innovative Technologies in Health Science Education Certificate program.

There is no application fees for this Certificate program.

Certificate Requirements

Credit hours required for this certificate: 12.0



Students in the Innovative Technologies in Health Science Education Certificate program take a total of four courses (12 credit hours) that provide hands-on experiences with a variety of software applications and instructional strategies. Instruction is provided by faculty in the Learning, Design & Technology (LDT) Program at the University of Houston.

Required Courses

3 credits, choose one from:

CUIN 7390 - Instructional Design **Credit Hours: 3.0**

OR

CUIN 7391 - Curriculum Development for Health Sciences Education **Credit Hours: 3.0**

Elective Choices

9 credits, choose three from:

CUIN 7305 - Design, Development, & Evaluation of Presentations **Credit Hours: 3.0**

CUIN 7308 - Educational Uses of CMC **Credit Hours: 3.0**

CUIN 7356 - Issues in Distance Education **Credit Hours: 3.0**

CUIN 7358 - Educational Uses of Digital Storytelling **Credit Hours: 3.0**

CUIN 7368 - Digital Imaging in Education **Credit Hours: 3.0**

CUIN 7376 - New Tools for Creating Online Educational Materials **Credit Hours: 3.0**

CUIN 7389 - Digital Media **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies

Graduate Certificate Policies

Master Mathematics Teacher Professional Certificate

Grades 4-8 (15 Credit Hours To Complete)

This program prepares Master Mathematics Teachers to ensure there are teachers with special training to work with other teachers and with students in order to improve student mathematics performance. The program is structured to prepare candidates to be certified as master teachers and provides a candidate relevant experiences in a variety of educational settings with diverse student populations (Title 19, TAC §239.100). The practicum experience shall require a candidate to demonstrate proficiency in each of the applicable standards (Title 19, TAC §239.100).

Requirements include fifteen (15) graduate credit hours, a college certification plan, and state minimum and issuance criteria for certification (Title 19, TAC §239.102).

For further information, consult the Department of Curriculum and Instruction, 236 Farish Hall, 713-743-4950.

UH4-8MMT Curriculum: When and What



There are 5 graduate courses over 5 terms, including summer sessions. The summer sessions are typically the short summer sessions. The Fall and Spring term courses will either meet 3 hours, face-to-face, one evening a week or 3 hours every other week with asynchronous online activities. Master Mathematics Teacher Certification requires 160 Practicum Hours. These hours are embedded across the courses in activities such as video analyses, coaching and mentoring projects, professional development design and implementation, and proposal writing.

The five courses are:

CUIN 6397 - Selected Topics in C&I **Credit Hours: 3.00** (Developing Number Concepts)

CUIN 7333 - Developing Algebraic Thinking **Credit Hours: 3.0**

CUIN 6342 - Teaching Prob & Stats 6-12 Grd **Credit Hours: 3.0**

CUIN 6340 - Teaching Geometry and Measurement Grades 6-12 **Credit Hours: 3.0**

CUIN 7340 - Issues in Mathematics Education **Credit Hours: 3.0**

Master Reading Teacher Professional Certificate

PK - 12 Grade (30 Credit Hours To Complete)

This program prepares Master Reading Teachers ensuring there are teachers with special training to work with other teachers and with students in order to improve student reading performance. Master Reading Teachers may serve as a reading teacher mentor to other teachers and teach reading to students in Prekindergarten through Grade 12. Certification as a master teacher provides a candidate relevant experiences in a variety of educational settings with diverse student populations (Title 19, TAC §239.100). The practicum experience requires a candidate to demonstrate proficiency in each of the applicable standards (Title 19, TAC §239.100).

Criteria include thirty (30) graduate credit hours, a college certification plan, and state minimum and issuance requirements for certification (Title 19, TAC §239.101). The Master Reading Program requires a Master of Education (MEd), in Curriculum and Instruction, (Emphasis in Reading, Language Arts, and Literature Education) and Reading Specialist certificate for certification.

For additional information, consult the Department of Curriculum and Instruction, 236 Farish Hall, 713-743-4950.

Required Courses in Reading (15 Hours)

Courses in Literature Education (3 Hours)

ELED 7315 - Literature for Children **Credit Hours: 3.0**

OR

SEDE 7335 - Literature for Adolescents **Credit Hours: 3.0**

Studies in Linguistics (3 Hours)

CUIN 6317 - Ed Princ 2Nd Lang Acq **Credit Hours: 3.0**

Elective Courses

6 hours or 2 courses to be negotiated with your advisor.



Since degree plans change periodically, students will follow the degree plan that is in place at the time in which they complete an official, approved degree plan.

Master Technology Teacher Professional Certificate

12 Credit Hours To Complete

This program prepares Master Technology Teachers to ensure that there are teachers with special training to work with other teachers and with students in order to increase the use of technology in each classroom; helping school districts identify teachers with an expertise in technology integration and mentorship in technology skills. The program structure prepares candidates for certification as master teachers and provides a candidate relevant experiences in a variety of educational settings with diverse student populations (Title 19, TAC §239.100). The practicum experience requires a candidate to demonstrate proficiency in each of the applicable standards (Title 19, TAC §239.100).

Certification criteria include twelve (12) graduate credit hours, a college certification plan, and state minimum and issuance requirements for certification (Title 19, TAC §239.103).

For further information, consult the Department of Curriculum and Instruction, 236 Farish Hall, 713-743-4950.

Students need to complete these four courses (12 Hours Total):

CUIN 7328 - Technology in Teacher Educatn **Credit Hours: 3.0** (Created as needed, usually fall semester; online)

CUIN 7390 - Instructional Design **Credit Hours: 3.0** (Online)

Museum Education Certificate

The Museum Education Certificate capitalizes on Houston's community needs and assets. The University of Houston (UH) and the Museum District are rich cultural resources for residents. By forming a partnership, these institutions can more fully serve the communities they share. Graduate students looking for engaging ways to expand their horizons will have opportunities to learn and teach in unique environments beyond the K-12 classroom.

Museum Education Certificate Goals:

Provide a unique set of experiences that expands understanding of museum pedagogy in the core disciplines of art, history, education, or the science

Link UH with the Houston Museum community to provide "real world" experience and expand professional networks and job opportunities

Activate understanding of community

Introduce models of non-profit, cultural, and other educational resources

Establish new career paths for students outside of traditional classroom settings that include museums, non-profit and cultural community organizations

Prepare educators to use museums as educational resources and/or work in an art, history, and/or science museum setting

For more information please view the Graduate Certificate in Museum Education webpage.

Admission Requirements

For details on the graduate application process, visit www.uh.edu/graduate-school/admissions/how-to-apply/.



Applicant checklist:

Online Application

A bachelor's or master's degree from an accredited institution with a GPA that reflects the ability to achieve a 3.0 GPA in graduate courses

Official transcripts showing degree conferral on file

Personal Statement

Resume or Curriculum Vitae

Additional International Admission Requirements are found at www.uh.edu/graduate-school/admissions/international-students/

Please note that with the ApplyWeb application, all documents are uploaded in the application and are to be received by the University no later than the deadline. Applicants are required to submit official transcripts (electronically or by mail) to the University's Graduate School.

Certificate Requirements

Credit hours required for this certificate: 15.0

The 15 hour **Museum Education Certificate** program includes a series of three core courses (9 hours) followed by a 6 hour internship. Core courses provide the foundation of museum education and include the history, theory, practice and application of museum education principles. The internship will be at a Houston art, history, or science museum, aligns with the students' area of interest, and is designed in collaboration with the host museum. Students are admitted in the fall term only and can complete their certificate by the end of following summer. Courses are taught by CUIIN faculty in collaboration with museum partners.

Required Coursework

CUIIN 6358 - Perspectives of Museum Education **Credit Hours: 3.0** (offered fall term)

CUIIN 7302 - Community Education **Credit Hours: 3.0** (fall term)

CUIIN 6359 - Museum Education Practice & Application II **Credit Hours: 3.0** (spring term)

CUIIN 7692 - Internship **Credit Hours: 6.0** (summer term)

Academic Policies

[University of Houston Academic Policies](#)

[College Academic Policies](#)

Online Teaching and Learning Certificate

[Education > Graduate Certificate Programs > Online Teaching and Learning Certificate](#)

This program prepares professionals working in education or private industry who desire to enhance their ability to design, create, and evaluate online learning.

Requirements include 12 graduate credit hours and program certificate criteria. The program area is in the Department of Curriculum and Instruction.

For more information please see the [Online Teaching and Learning](#) webpage.



Admission Requirements

Applicant checklist:

Online Application

A bachelor's or master's degree from an accredited institution with a GPA that reflects the ability to achieve a 3.0 GPA in graduate courses

Official transcripts showing degree conferral on file

Personal Statement

Resume or Curriculum Vitae

Additional International Admission Requirements are found at www.uh.edu/graduate-school/admissions/international-students/

Please note that with the ApplyWeb application, all documents are uploaded in the application and are to be received by the University no later than the deadline. Applicants are required to submit official transcripts (electronically or by mail) to the University's Graduate School.

For details on the graduate application process, visit www.uh.edu/graduate-school/admissions/how-to-apply/.

Certificate Requirements

Credit hours required for this certificate: 12.0

In consultation with their advisor, students choose four courses from the following:

CUIN 7308 - Educational Uses of CMC **Credit Hours: 3.0** (Online)

CUIN 7316 - Design Online Educational Resources **Credit Hours: 3.0** (Online)

CUIN 7318 - Current Issues in Learning & Design **Credit Hours: 3.0** (Online)

CUIN 7356 - Issues in Distance Education **Credit Hours: 3.0** (Online)

CUIN 7376 - New Tools for Creating Online Educational Materials **Credit Hours: 3.0** (Online)

CUIN 7390 - Instructional Design **Credit Hours: 3.0** (Online)

Academic Policies

College Academic Policies

University of Houston Academic Policies

Professional Leadership - Health Science Education, EdD

College of Education > Department of Curriculum and Instruction > Professional Leadership - Health Science Education, EdD

The Executive Doctor of Education Degree (Ed.D.) in Professional Leadership with an Emphasis in Health Science Education prepares students for professional and administrative leadership positions in a variety of academic healthcare settings. The program provides intensive research and applied skills for students grappling with real-world educational needs and services in medicine, dentistry, nursing and other health-related areas. The design of the program emphasizes exploration, problem-solving and student collaboration in a variety of courses and research activities. A practical internship or Laboratory of Practice provides students with an avenue to apply the specifics of these problems to their course of study and research projects.

The multi-vocational model is a unique feature of the program that promotes inter-professional education and enhances networking between future healthcare professional leaders. The cohort design also ensures mutual encouragement and support with a low number of students able to complete the program. Physicians, dentists and nurse educators who work in the Texas Medical Center make up a majority



of students in this program, however it may also be beneficial for researchers, program coordinators, residents, fellows and others interested in educational and/or leadership positions in academic healthcare settings.

We expect most of our graduates to seek positions in academic healthcare institutions or other locations where they will have leadership roles and responsibilities in several of the following areas:

- instructional design and curriculum development
- teaching
- program evaluation
- research design, data collection and analysis
- grant writing and assessment
- use of emerging technologies for teaching and learning

For more information, please visit the Executive Doctorate in Professional Leadership program page.

Admission Requirements

Applicants must possess a master's degree or higher, and are currently working, have worked, or are interested in working at a healthcare institution, or in private practice. All applicants must have earned a baccalaureate degree with an overall Grade Point Average (GPA) of at least 2.6 for undergraduate coursework (A = 4.00) and a master's degree with an overall GPA of at least 3.0 for master's level coursework.

Graduate Record Examination (GRE)

All applicants who have not already earned a terminal degree (such as an MD, DDS, PhD, etc.) are required to take the Graduate Record Exam (GRE), but there are no minimum scores required for admission. Applicants are expected to score at least at the 35th percentile of each section of the exam, however, GRE scores are just one measure we use to assess suitability for the program.

Admissions Decisions

Each applicant is treated on an individual basis and selected applicants will participate in one or more telephone or Skype interviews with the faculty admissions committee. Final admissions decisions are made by the faculty admissions committee that determines which applicants will be the best fit for this program.

Applying for Admission

Applications must be submitted online through the UH Graduate School menu, at <http://www.uh.edu/graduate-school/admissions/how-to-apply>

Scanned copies of official transcripts can be uploaded as PDF files and may be used by programs to make admission decisions. Please follow the instructions online to properly scan and upload your transcript. If admitted, however, you will not be able to enroll without the official transcript(s) showing undergraduate degree conferral on file.

Regular Mail:	Express Mail:	Electronic or "Speede" Transcript:
<i>University of Houston Graduate Admissions</i>	<i>University of Houston Graduate Admissions</i>	Within the U.S., the fastest way to send your transcript is electronically. Please inquire at your previous institution about this option. Electronic



P.O. Box 3947 Houston, TX 77253-3947	4302 University Dr., Rm 102 Houston, TX 77204-2012	transcripts can be delivered via email to gradschool@uh.edu
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Applicants should request that official results of the Graduate Record Examination test scores be sent to the University of Houston Main Campus.

An admission fee of \$80 for a domestic application and \$75 fee for an international application must be submitted.

All applicants must also submit the following documents:

- Statement of Interest
- Resume or Curriculum Vitae
- Writing Sample
- Letters of Recommendation

Degree Requirements

Students in the program will complete a total of 17 courses over approximately 3 years, culminating in writing and defending a doctoral research thesis. Two courses are offered in the fall, spring and summer semesters. Face-to-face classes are held in the Texas Medical Center. These classes are typically held on Mondays and Thursdays from 5:00pm to 8:00pm. Summer classes are usually offered online. Additionally, there are short, intersession classes during the winter break and between the end of the spring and summer semesters.

Required Courses

Year 1

Fall Term

CUIN 8397 - Selected Topics in C&I **Credit Hours: 3**

Topic: Academic Writing for Doctoral Candidates

CUIN 8380 - Research Methods in CUIN **Credit Hours: 3.0**

Fall Intersession

December - January

CUIN 8310 - Laboratory of Practice **Credit Hours: 3**

Spring Term

CUIN 7397 - Selected Topics in CUIN **Credit Hours: 3**

Topic: Learning and Development

CUIN 8397 - Selected Topics in C&I **Credit Hours: 3**

Topic: Organizational Psychology

Spring Intersession

May



CUIN 8310 - Laboratory of Practice **Credit Hours: 3**

Summer Term

Odd-numbered years

CUIN 7305 - Design, Development, & Evaluation of Presentations **Credit Hours: 3.0**

CUIN 7389 - Digital Media **Credit Hours: 3.0**

Year 2

Fall Term

CUIN 8320 - C&I Doctoral Rsch Sem **Credit Hours: 3.0**

CUIN 8340 - Survey and Research in Early Childhood Education **Credit Hours: 3.00**

Fall Intersession

December - January

ELCS 8325 - Instnl Leadercurri&Prof Develop **Credit Hours: 3.0**

Spring Term

CUIN 8318 - Issues in Urban Education **Credit Hours: 3.0**

CUIN 8381 - Research Methods **Credit Hours: 3.0**

Summer Term

Even-numbered years

CUIN 7376 - New Tools for Creating Online Educational Materials **Credit Hours: 3.0**

CUIN 7356 - Issues in Distance Education **Credit Hours: 3.0**

Year 3

Fall and Spring Terms

CUIN 8390 - Doctoral Thesis **Credit Hours: 3**

Or Fall only

CUIN 8690 - Doctoral Thesis **Credit Hours: 6**

Other Program Requirements



In addition to the courses, students must also complete doctoral comprehensive exam portfolio, a doctoral candidacy paper and a five-chapter doctoral thesis.

The candidacy paper consists of the first two chapters of the doctoral thesis which are reviewed by a student's advisor and other members of a faculty thesis committee before being orally defended before the committee.

The Comprehensive Exam Portfolio consists of a series of artifacts that showcase curriculum, research, teaching, and other relevant professional competencies that students have attained from coursework and various academic experiences during their doctoral studies. These are the six required components of the Doctoral Comprehensive Examination Portfolio:

- Doctoral Comprehensive Examination Submission Form
- Goal Statement and Curriculum Vita
- Foundations of the Program
- Scholarship
- Teaching
- Professional Development

The doctoral thesis proposal consists of the first three chapters of the doctoral thesis which are reviewed by a student's advisor and other members of a faculty thesis committee before being orally defended before the committee.

The final doctoral thesis consists of the all five chapters of the doctoral thesis which are reviewed by a student's advisor and other members of a faculty thesis committee before being orally defended before the committee. Oral defenses of the candidacy paper, thesis proposal and final thesis take approximately 1 to 1 ½ hours each and are held in the Texas Medical Center or on the University of Houston campus.

Academic Policies

University of Houston Academic Policies

Upon admission to the Executive Doctoral Program in Professional Leadership with an Emphasis in Health Science Education, students will receive a copy of the Student Handbook. The Student Handbook provides an overview of program requirements, policy, rules, and regulations and is designed to facilitate students' progress toward the attainment of their degree. The purpose of the handbook is to supplement and clarify - not supersede - policies and procedures provided at the College of Education and the University of Houston level.

Professional Leadership - Literacy Education, EdD

College of Education > Department of Curriculum and Instruction > Professional Leadership - Literacy Education, EdD

The Executive EdD in Professional Leadership-Literacy Education is a 51-hour doctoral program focusing on research and applied skills for educators grappling with current issues in education in urban contexts. The program is designed to facilitate the knowledge, skills and dispositions needed for professional and instructional leadership in urban schools, community organizations, museums and related educational institutions. The program is designed as a cohort model with online, hybrid and flipped courses.

For more information, please visit the Executive EdD in Professional Leadership program page.

Admission Requirements

The College of Education takes into consideration a number of criteria when determining admission, including prior college or university performance, letters of recommendation, standardized test scores and statement of intent. All applicants must abide by the minimum qualifications for admissions to a masters or doctoral program. All graduate applicants (regardless of citizenship status) must demonstrate proficiency in English to obtain admission to the University. For more information, visit <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency>.



An applicant is responsible for ensuring that all required materials for the evaluation of admissions are received by the College before the program's deadline. If the application is not complete by the program's deadline, it will not be evaluated for the admissions. Full details of the online application process can be found at www.uh.edu/graduate-school/admissions/how-to-apply.

Applicant checklist

Complete online graduate application including statement of interest, resume/c.v., writing sample, letters of recommendation, and application fee payment.

Official transcripts from all previous college/university work sent to the UH Graduate School.

Official reporting of GRE scores taken in the last five years

International students have additional documentation requirements which can be found at www.uh.edu/graduate-school/admissions/international-students/

Grade Point Average Requirements

Admission requirements for the College of Education require a minimum cumulative grade point average (GPA) of 2.6 for undergraduate coursework or over the last 60 credit hours of coursework. The College requires a minimum cumulative grade point average (GPA) of 3.0 for graduate coursework. The College's admission committees evaluate all credentials submitted by applicants to determine a student's ability and potential to succeed in graduate study. In addition, the committee is interested in the applicant's potential to contribute to his/her program of study and the University community as a whole.

For more information, please visit the College of Education Graduate Admissions page.

Degree Requirements

Credit hours required for this degree: 51.0

Core

9 Credit Hours

CUIN 8318 - Issues in Urban Education **Credit Hours: 3.0**
TBA

Research

9 Credit Hours

CUIN 8380 - Research Methods in CUIN **Credit Hours: 3.0**
CUIN 8381 - Research Methods **Credit Hours: 3.0**
TBA

Specialization

12 Credit Hours



Leadership Courses

9 Credit Hours

TBA

Laboratory of Practice

6 Credit Hours

CUIN 8310 - Laboratory of Practice **Credit Hours: 3**

EdD Doctoral Thesis

6 Credit Hours

CUIN 8390 - Doctoral Thesis **Credit Hours: 3**

Academic Policies

University of Houston Academic Policies

Professional Leadership - Mathematics Education, EdD

College of Education > Department of Curriculum and Instruction > Professional Leadership - Mathematics Education, EdD

The EdD in Professional Leadership, with an emphasis in mathematics education, is a 51-hour program at University of Houston Sugarland providing research and applied skills for educators grappling with current issues in urban settings. The program is designed to facilitate the knowledge, skills and dispositions needed for instructional leadership in curriculum and instruction in urban schools, community organizations, museums and related educational institutions. The intent of the program is for graduates of this program to remain in educational settings as instructional leaders.

Graduates of the 51-hour EdD in Professional Leadership will typically pursue the following careers:

- Curriculum managers
- School department leads or heads
- Education directors for community agencies
- Higher education faculty
- District data collectors and evaluators

For more information, please visit the Executive Ed.D. Professional Leadership - Mathematics Education program page.

Admission Requirements

The College of Education takes into consideration a number of criteria when determining admission, including prior college or university performance, letters of recommendation, standardized test scores and statement of intent. All applicants must abide by the minimum qualifications for admissions to a masters or doctoral program. All graduate applicants (regardless of citizenship status) must demonstrate



proficiency in English to obtain admission to the University. For more information, visit <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency>.

An applicant is responsible for ensuring that all required materials for the evaluation of admissions are received by the College before the program's deadline. If the application is not complete by the program's deadline, it will not be evaluated for the admissions. Full details of the online application process can be found at www.uh.edu/graduate-school/admissions/how-to-apply.

Applicant checklist:

Complete online graduate application including statement of interest, resume/c.v., writing sample, letters of recommendation, and application fee payment.

Official transcripts from all previous college/university work sent to the UH Graduate School.

Official reporting of GRE scores taken in the last five years

International students have additional documentation requirements which can be found at www.uh.edu/graduate-school/admissions/international-students/

Grade Point Average Requirements

Admission requirements for the College of Education require a minimum cumulative grade point average (GPA) of 2.6 for undergraduate coursework or over the last 60 credit hours of coursework. The College requires a minimum cumulative grade point average (GPA) of 3.0 for graduate coursework. The College's admission committees evaluate all credentials submitted by applicants to determine a student's ability and potential to succeed in graduate study. In addition, the committee is interested in the applicant's potential to contribute to his/her program of study and the University community as a whole.

For more information, please visit the College of Education Graduate Admissions page.

Degree Requirements

Credit hours required for this degree: 51.0

Core

9 Credit Hours

CUIN 8318 - Issues in Urban Education **Credit Hours: 3.0**

CUIN 8325 - Research in Math Education **Credit Hours: 3.0**

PHLS 8345 - Adult Cognition and Learning **Credit Hours: 3.0**

Research

9 Credit Hours

CUIN 8380 - Research Methods in CUIN **Credit Hours: 3.0**

CUIN 8381 - Research Methods **Credit Hours: 3.0**

EDRS 8383 - Action Research **Credit Hours: 3.0**

Specialization



12 Credit Hours

CUIN 7332 - Teaching and Learning Math **Credit Hours: 3.0**

CUIN 7340 - Issues in Mathematics Education **Credit Hours: 3.0**

CUIN 8326 - Math Education Leadership & Coaching **Credit Hours: 3**

CUIN 8346 - Teaching Mathematics and Science with Technology **Credit Hours: 3**

Cognate and Supporting Courses

9 Credit Hours

CUIN 8366 - Academic Writing for Doctoral Candidates **Credit Hours: 3**

ELCS 8340 - Organizatn & Admin Curriculum **Credit Hours: 3.0**

ELCS 8356 - Program Policy Evaluation **Credit Hours: 3.0**

Laboratory of Practice

6 Credit Hours

CUIN 8310 - Laboratory of Practice **Credit Hours: 3**

EdD Doctoral Thesis

6 Credit Hours

CUIN 8690 - Doctoral Thesis **Credit Hours: 6**

Academic Policies

University of Houston Academic Policies

Professional Leadership - Social Studies/Social Education, EdD

College of Education > Department of Curriculum and Instruction > Professional Leadership - Social Studies/Social, EdD

The Executive EdD in Professional Leadership-Social Studies/Social Education is a 51-hour doctoral program focusing on research and applied skills for educators grappling with current issues in education in urban contexts. The program is designed to facilitate the knowledge, skills and dispositions needed for professional and instructional leadership in urban schools, community organizations, museums and related educational institutions. The program is designed as a cohort model with online, hybrid and flipped courses.

For more information, please visit [Professional Leadership -Social Studies/Social Education, EdD program page](#).

Admission Requirements

The College of Education takes into consideration a number of criteria when determining admission, including prior college or university performance, letters of recommendation, standardized test scores and statement of intent. All applicants must abide by the minimum qualifications for admissions to a masters or doctoral program. All graduate applicants (regardless of citizenship status) must demonstrate



proficiency in English to obtain admission to the University. For more information, visit <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency>.

An applicant is responsible for ensuring that all required materials for the evaluation of admissions are received by the College before the program's deadline. If the application is not complete by the program's deadline, it will not be evaluated for the admissions. Full details of the online application process can be found at www.uh.edu/graduate-school/admissions/how-to-apply.

Applicant checklist

Complete online graduate application including statement of interest, resume/CV, writing sample, letters of recommendation, and application fee payment.

Official transcripts from all previous college/university work sent to the UH Graduate School.

Official reporting of GRE scores taken in the last five years

International students have additional documentation requirements which can be found at www.uh.edu/graduate-school/admissions/international-students/

Grade Point Average Requirements

Admission requirements for the College of Education require a minimum cumulative grade point average (GPA) of 2.6 for undergraduate coursework or over the last 60 credit hours of coursework. The College requires a minimum cumulative grade point average (GPA) of 3.0 for graduate coursework. The College's admission committees evaluate all credentials submitted by applicants to determine a student's ability and potential to succeed in graduate study. In addition, the committee is interested in the applicant's potential to contribute to his/her program of study and the University community as a whole.

For more information, please visit the College of Education Graduate Admissions page.

Degree Requirements

Credit hours required for this degree: 51.0

Core Coursework

9 credit hours

CUIN 8318 - Issues in Urban Education **Credit Hours: 3.0**

TBA

Research Coursework

9 credit hours

CUIN 8380 - Research Methods in CUIN **Credit Hours: 3.0**

CUIN 8381 - Research Methods **Credit Hours: 3.0**

CUIN 8336 - Research in Social Education **Credit Hours: 3.0**

Specialization Coursework

12 credit hours



TBA

Leadership Coursework

9 credit hours

TBA

Laboratory of Practice

6 credit hours

CUIN 8310 - Laboratory of Practice **Credit Hours: 3**

EdD Doctoral Thesis

6 credit hours

CUIN 8390 - Doctoral Thesis **Credit Hours: 3**

Academic Policies

University of Houston Policies

Reading Specialist Professional Certificate

College of Education > Department of Curriculum and Instruction > Reading Specialist Professional Certificate

27 Credit Hours To Complete

This program leads to the Reading Specialist Professional Certificate and The Reading Specialist program prepares teachers to fill roles in regular or special classrooms, clinics, or administrative positions. A holder of the Reading Specialist Certificate issued under the provisions of this subchapter may teach reading to students in Prekindergarten-Grade 12 (Title 19, TAC §239.90).

Criteria include twenty-seven (27) graduate credit hours, a college certification plan, state minimum requirements (Title 19, TAC §239.91), and the state requirements for issuance of certification (Title 19, TAC §239.93). A Master of Education (MEd) in Curriculum and Instruction (Emphasis in Reading, Language Arts, and Literature Education) is required.

For more information, consult the Department of Curriculum and Instruction, 236 Farish Hall, 713-743-4950.

Required Courses in Reading (15 Hours)

Courses in Literature Education (3 Hours)

ELED 7315 - Literature for Children **Credit Hours: 3.0**



OR

SEDE 7335 - Literature for Adolescents **Credit Hours: 3.0**

Studies in Linguistics (3 Hours)

CUIN 6317 - Ed Princ 2Nd Lang Acq **Credit Hours: 3.0**

Elective Courses

6 hours or 2 courses to be negotiated with your advisor.

Since degree plans change periodically, students will follow the degree plan that is in place at the time in which they complete an official, approved degree plan.

Secondary Initial Certificate

Initial Teaching Certificate

The College of Education offers initial teacher certification programs for students who have bachelor's degrees in all undergraduate fields of specialization. See the list of elementary, secondary, and all-level initial certificates in the Undergraduate Studies catalog.

Students who have completed a bachelor's degree and who desire initial certification should apply for a deficiency plan. Selected courses that are required for initial certification may, with the approval of a graduate advisor, be applied toward a master's degree program. Consult the Teacher Education and Certification Office, 112 Farish Hall, (713) 743-5000, for information and assistance in selecting the appropriate deficiency plan program. Students requiring a deficiency plan may obtain an application from the Teacher Education and Certification Office.

The initial certification requirements are similar to those listed in the Undergraduate Studies catalog. In lieu of the student teaching requirement, students may qualify for an internship program or substitute two years of full-time teaching experience in a school accredited by the State Board for Educator Certification, at the level(s) for which they seek certification, and six semester hours of approved education courses.

Students entering teacher preparation programs after May 1, 1984, are required by state of Texas regulations to have passed the Texas Academic Skills Program prior to being admitted to teacher education. All required sections of this test must be passed before being admitted to the program. Admission criteria are listed in the Undergraduate Studies catalog and are prerequisite to taking the required professional development courses. For specific information about this test, students should call University Testing Services, (713) 743-5444. Graduates of teacher education programs after May 1, 1986, are required by state of Texas regulations to take the Examination for the Certification of Educators in Texas upon completion of the program.

Students who plan to pursue a teaching certification program should consult the Teacher Education and Certification Office, 112 Farish Hall, for information about admission requirements and course requirements. Full admission to the Teacher Education program is a prerequisite to enrollment in the beginning certification courses.

All teacher certification transactions, including professional certificates and endorsements, are made through the College of Education. Inquiries should be directed to the Teacher Education and Certification Office, or the appropriate department, University of Houston, Houston, Texas 77204- 5871.

Secondary Professional Certificate



Teaching (30 semester hours)

Students who currently have the Texas Provisional Teaching Certificate may be able to obtain a Professional Teaching Certificate simultaneously with the master's degree. The master's degree advisor can design a degree plan that will incorporate certification requirements. The program includes 12 hours of academic specialization, six hours of professional development, six hours in a resource area, and six hours of approved electives. Three years of acceptable teaching experience is a prerequisite for this certificate.

Severe/Profound Handicaps Endorsement

Specializations in Severely Handicapped Education, Severe Emotional Disturbance and Autism, Special Education Supervision, and Hospital Homebound Instruction can be pursued on an individual basis. Students applying for specialty certificates must first satisfy the requirements for Generic Special Education. Students who wish to work toward one or more of the endorsement/certification programs may include program requirements in the elective or required areas of their degree plans.

Severely Emotionally Disturbed and Autistic Endorsement

Specializations in Severely Handicapped Education, Severe Emotional Disturbance and Autism, Special Education Supervision, and Hospital Homebound Instruction can be pursued on an individual basis. Students applying for specialty certificates must first satisfy the requirements for Generic Special Education. Students who wish to work toward one or more of the endorsement/certification programs may include program requirements in the elective or required areas of their degree plans.

Severely Handicapped Education Certificate

Specializations in Severely Handicapped Education, Severe Emotional Disturbance and Autism, Special Education Supervision, and Hospital Homebound Instruction can be pursued on an individual basis. Students applying for specialty certificates must first satisfy the requirements for Generic Special Education. Students who wish to work toward one or more of the endorsement/certification programs may include program requirements in the elective or required areas of their degree plans.

Special Education Counselor Professional Certificate

Individuals seeking certification as special education counselors must be formally admitted for graduate studying in both the Counseling and Special Education Programs. All the requirements for a counseling certificate as well as the requirements for a special education certificate must be completed successfully. The combined requirements for obtaining these two credentials are approximately 60 term hours.

Teaching Professional Certificate

Teaching (30 semester hours)

Students who currently have the Texas Provisional Teaching Certificate may be able to obtain a Professional Teaching Certificate simultaneously with the master's degree. The master's degree advisor can design a degree plan that will incorporate certification requirements. The program includes 12 hours of academic specialization, six hours of professional development, six hours in a resource area, and six hours of approved electives. Three years of acceptable teaching experience is a prerequisite for this certificate.



Texas Standard Principal Professional Certificate

Principal (36 semester hours)

This program prepares graduate students who have teacher's certificates and teaching experience for employment as assistant principals, principals, directors, coordinators, assistant superintendents, or other positions requiring leadership preparation. Students may concurrently pursue both this program and the master's in educational administration and supervision. If a student already holds the MEd, he or she may pursue the program as a Non-degree Objective (NDO) graduate student.

Required courses include the following: 9 hours of core courses in administration; 24 hours of major course work in areas such as interpersonal communication, instructional supervision, finance school leadership, education law, and policy. In addition, a 3 hour internship in an educational setting is required. Two years of acceptable teaching experience is a prerequisite for this certificate.

For further information, consult the Department of Educational Leadership and Cultural Studies, 401 Farish Hall, (713) 743-5030.



Educational Leadership and Policy Studies

Department of Educational Leadership and Policy Studies

Administration and Supervision, MEd

The Master's Program in Administration and Supervision provides a strong foundation of knowledge, skills, real world experience, and innovative research to prepare students to be educational leaders. Graduates fill an important need in the community, serving in diverse positions in both public and private educational institutions. The degree fulfills requirements for the Texas Standard Principal Certificate. However, graduates also pursue positions across the educational community and in business settings.

The M.Ed. degree also fulfills requirements for the Texas Examinations of Educator Standards for Principal certification.

The Administration & Supervision program develops professional leadership, ethical, interpersonal and intrapersonal skills. Through specialized coursework, preparing for the Texas principal examinations, and clinical -based internships, students will have the ability to:

- Work in complex, fast-paced, and often-uncertain contexts unique to schools
- Have a high commitment to the safety and dignity of students
- Maintain a strong work ethic
- Understand the professional knowledge base for school administration and use it to think reflectively, critically and creatively in dealing with problems and dilemmas
- Show confidence in self to be an independent learner and act based on researched-based skills and knowledge
- Exhibit leadership with students, teachers, support staff, parents, and other community members to build and maintain a learning community within the school district and community
- Recognize the moral dimensions of schooling and maintain a high level of caring and ethics in motives, judgments, and interpersonal behavior

Unique features of this program:

- Faculty, including adjunct professors, have experience as campus and/or district leadership

- Internship experiences are embedded into the curriculum; the supervising mentor is compensated with a stipend (restrictions apply).

The program prepares graduates for academic leadership positions in public and non-public settings. It prepares professionals to work in a variety of roles as educators and mid to high-level administrative positions in:

- K-12 schools
- Community colleges
- Universities
- Technical schools
- Adult schools
- Educational agencies

Graduates of the M.Ed. in Administration and Supervision may pursue the following careers:

- Community College Professor
- School Principal
- Assistant School Principal
- K-12 School Administrator
- K-12 Team Leader
- K-12 Department Chair



Admission Requirements

See Also: University Admission Requirements

The College of Education takes into consideration a number of criteria when determining admission, including prior college or university performance, letters of recommendation, standardized test scores and statement of intent. All applicants must abide by the minimum qualifications for admissions to a masters or doctoral program. All graduate applicants (regardless of citizenship status) must demonstrate proficiency in English to obtain admission to the University. For more information, visit <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency/>.

An applicant is responsible for ensuring that all required materials for the evaluation of admissions are received by the College before the program's deadline. If the application is not complete by the program's deadline, it will not be evaluated for the admissions. Full details of the online application process can be found at www.uh.edu/graduate-school/admissions/how-to-apply.

Applicant checklist:

- Complete online graduate application including statement of interest, resume/c.v., letters of recommendation, and application fee payment.
- Official transcripts from all previous college/university work sent to the UH Graduate School
- Official reporting of GRE scores taken in the last five years
- International students have additional documentation requirements which can be found at www.uh.edu/graduate-school/admissions/international-students/

Grade Point Average Requirements

Admission requirements for the College of Education require a minimum cumulative grade point average (GPA) of 2.6 for undergraduate coursework or over the last 60 credit hours of coursework. The College requires a minimum cumulative grade point average (GPA) of 3.0 for graduate coursework. The College's admission committees evaluate all credentials submitted by applicants to determine a student's ability and potential to succeed in graduate study. In addition, the committee is interested in the applicant's potential to contribute to his/her program of study and the University community as a whole.

Degree Requirements

Credit hours required for this degree: 30.0

To obtain a Master in Education for Administration and Supervision, students must complete **30 term hours and successfully pass the TExES Principal Certification Exam(s) or a program comprehensive exam.**

These hours will be derived from:

Classroom Instruction

(21 Credit Hours)

- ELCS 6301 - Leadership for Equity in Diverse Schools **Credit Hours: 3**
- ELCS 6304 - Law & Policy for School Leaders **Credit Hours: 3**
- ELCS 6310 - Strategic Engagement of School/Community Stakeholders **Credit Hours: 3.0**
- ELCS 6350 - School Leadership, The Principalship **Credit Hours: 3**
- ELCS 6370 - Research for Educational Leaders **Credit Hours: 3.0**
- ELCS 6330 - Finance & School-Based Budgeting **Credit Hours: 3**



SPEC 6367 - Special Education for School Leaders **Credit Hours: 3**

Clinical-Based Internships

(3 Courses/9 Credit Hours)

ELCS 6302 - Data-Informed Decision Making for School Leaders **Credit Hours: 3**

ELCS 6320 - Instructional Supervision **Credit Hours: 3.0**

ELCS 6393 - Practicum **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies

College of Education Policies

TExES Principal - M.Ed. in Administration and Supervision

Due to the critical role the principal plays in campus effectiveness and student achievement, and consistent with the Texas Education Code (TEC), §21.046(c), the rules adopted by the State Board for Educator Certification ensure that each candidate for the Principal Certificate is of the highest caliber and possesses the knowledge and skills necessary for success (Title 19, TAC §241). The M.Ed. in Administration and Supervision program emphasizes the training and coursework necessary for obtaining the knowledge, skills, and attributes for becoming an educational leader.

The Texas principal certification is offered through the M.Ed. program. Students are expected to complete all pre-requisite courses and internship requirements for the degree and certification.

Please review the COE Certification web page for application and additional information.

Disability Support, Certificate

Students in the Disability Support Certificate program will learn about: disabilities and disability law for educational and professional settings and will focus on the characteristics, intervention strategies, and services for individuals with disabilities; theory and principles of behavioral analysis in a variety of school and professional settings; how to conduct behavioral observations; design and use data collection tools; link interventions with appropriate data tools; and make evidence-based decisions; how to examine and apply evidence-based instructional strategies, programs, and tools for addressing the learning needs of individuals with disabilities; engage in discussions on state and federal laws as they pertain to the acquisition and use of assistive technology, navigate a range and variety of assistive technology, devices, services, and resources, including internet resources for individuals with disabilities; and, collaborative, consult and coach with parents, families, teachers, administrators, and other professionals within the community.

Certificate Requirements

Credit hours required for this degree: 15.0

The certificate program is offered online.

SPEC 6360 - Individuals with Disabilities **Credit Hours: 3**

SPEC 6362 - Behavior: Evidence-Based Decisions **Credit Hours: 3.00**

SPEC 6365 - Data-Based Individualization of Instruction **Credit Hours: 3.00**



SPEC 6353 - Technology in Special Populations **Credit Hours: 3**

SPEC 7391 - Collaborative Consultation and Coaching **Credit Hours: 3**

Academic Policies

University Academic Policies

Academic Policies: College of Education

Higher Education Leadership and Policy Studies, PhD

College of Education > Department of Educational Leadership and Policy Studies > Higher Education Leadership and Policy Studies, PhD

This 66-hour doctoral program prepares students to conduct research and generate scholarship aimed at furthering a critical understanding of higher education and its role in society while providing service to our local, state, and national communities through the improvement of higher education, and in general the furthering of education for all people.

To accomplish those broad aims, the Ph.D. curriculum in Higher Education provides students multi-disciplinary opportunities to develop specific competency in key areas. A solid framework for understanding educational challenges and opportunities; the inherently global nature of all educational experiences and their outcomes; and the critical contribution of rigorous research to adequate policy development; and the connected enterprise of increasing educational opportunity and success among schools, communities, and businesses.

For more information, please visit <http://www.uh.edu/education/degree-programs/higher-ed-phd/>.

Admission Requirements

The College of Education takes into consideration a number of criteria when determining admission, including prior college or university performance, letters of recommendation, standardized test scores and statement of intent. All applicants must abide by the minimum qualifications for admissions to a master's or doctoral program. All graduate applicants (regardless of citizenship status) must demonstrate proficiency in English to obtain admission to the University. For more information, visit <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency/>.

An applicant is responsible for ensuring that all required materials for the evaluation of admissions are received by the College before the program's deadline. If the application is not complete by the program's deadline, it will not be evaluated for the admissions. Full details of the online application process can be found at www.uh.edu/graduate-school/admissions/how-to-apply.

Applicant checklist:

Complete online graduate application including statement of interest, resume/c.v., writing sample, letters of recommendation, and application fee payment

Official transcripts from all previous college/university work sent to the UH Graduate School.

Official reporting of GRE scores taken in the last five years

International students have additional documentation requirements which can be found at www.uh.edu/graduate-school/admissions/international-students/

Grade Point Average Requirements

Admission requirements for the College of Education require a minimum cumulative grade point average (GPA) of 2.6 for undergraduate coursework or over the last 60 credit hours of coursework. The College requires a minimum cumulative grade point average (GPA) of 3.0 for graduate coursework. The College's admission committees evaluate all credentials submitted by applicants to determine a student's ability



and potential to succeed in graduate study. In addition, the committee is interested in the applicant's potential to contribute to his/her program of study and the University community as a whole.

Please visit the program's Admission Application Instructions page for more information

Degree Requirements

Credit hours required for this degree: 66.0

The curriculum for the HELPS Ph.D. program involves the completion of specific coursework that includes foundations of psychological and educational theory, statistics, and research methodology. Completion of the program typically requires three years of full time study, inclusive of coursework, candidacy research project, comprehensive exam, and dissertation.

Since degree plans are enhanced periodically to support continuous improvement planning objectives, students will follow their approved degree plan that is in place at the time in which they complete an official, approved degree plan. The most current sample degree plan and academic benchmarks are provided below.

In the first two full years of studies (i.e., fall, spring and summer in each year), students in the HELPS doctoral program are required to complete at least 6 hours of coursework each term (i.e., Fall, Spring, and Summer) to satisfy doctoral residency requirements. Students should reference the schedule of course offerings and, in consultation, identify the courses required for a given term.

Program Core Requirements (30 hours)

- CUST 8378 - Current Issues in Educ **Credit Hours: 3.0**
- CUST 8375 - Hist & Phil of Higher Educ **Credit Hours: 3.0**
- ELCS 7371 - Higher Educ Law **Credit Hours: 3.0**
- ELCS 8331 - Finance in Higher Education **Credit Hours: 3.0**
- ELCS 8332 - Student Dev in Post Sec. Inst **Credit Hours: 3.0**
- ELCS 8338 - Admin Higher Educ Multiculset **Credit Hours: 3.0**
- ELCS 8355 - Policy Pol & Gov of Education **Credit Hours: 3.0**
- ELCS 8360 - Studies Post Secondary Educatn **Credit Hours: 3.0**
- ELCS 8397 - Sem Top Ed Ldshp&Cul St **Credit Hours: 3.0**

Topic(s):

Economics of Education

Research Methods Core Requirements (15 hours)

- EDRS 8380 - Rsch Mthds in Educ **Credit Hours: 3.0**
- EDRS 8382 - Statistical Analyses in Educatn **Credit Hours: 3.0**
- SAER 8320 - Ethnog Mthds Educ **Credit Hours: 3.0**
- ELCS 8330 - Statistical Analyses **Credit Hours: 3.0**
- ELCS 8322 - Advanced Ethnographic Methods **Credit Hours: 3.0**

Independent Research Requirements (9 hours min)

Students in the HELPS program are required to satisfy two major research requirements:

the candidacy research paper, and
a doctoral dissertation.



Both of these projects typically involve the collection, analysis, and interpretation of quantitative and/or qualitative data.

SAER 8388 - Sem-Res Ed Ldshp Pol St **Credit Hours: 3.0**

ELCS 8399 - Doctoral Dissertation **Credit Hours: 3** (for a total of at least 6 hours)

Specialization Electives (minimum 12 hours)

Students in the program are required to pursue one of the four Areas of Specialization within the program. These areas include Equity and Social Justice, International Perspectives, Policy and Politics, and Research Methods. Although all students in the program gain some background in these areas through the Program Area Core courses, students within each area add to their expertise by selecting electives relevant to a particular area of specialization. For these electives, students are encouraged to pursue coursework pertinent to their individual career goals, including courses offered by faculty within the Educational Leadership and Policy Studies Department as well as courses offered by other departments in the College of Education, and those related to the fields of sociology, economics, political science, and other behavioral and social sciences. These electives should be identified in consultation with the student's academic advisor.

Academic Policies

Professional Development Activities

Students in the HELPS program are required to satisfy a Professional Development requirement during their first year in the program. Students are required to complete a separate Residency Report for the Fall and Spring terms of their first year in the program that will serve to satisfy their doctoral residency/professional development requirement. These forms must be approved by the student's academic advisor, the chair of the department, and the Dean or his/her designee.

The following professional development activities are required for doctoral students in the HELPS program. Activities completed each term should be listed on separate Residency Reports for each term. Students should consult with their advisor regarding selection of additional activities that will augment their academic preparation in scholarship, teaching, and service, such as attending presentations of scholarly speakers at the University of Houston or elsewhere (e.g., Rice University, the Medical Center, in the community), assisting other doctoral students with data collection, etc.

Attend at least one defense of a candidacy research proposal in Educational Leadership and Policy Studies

Attend at least one defense of a candidacy research final paper in Educational Leadership and Policy Studies

Attend at least one defense of a dissertation proposal in Educational Leadership and Policy Studies

Attend at least one defense of a dissertation final paper in Educational Leadership and Policy Studies

Attendance at a local, state, or national conference that pertains to education or a relevant social science. The sessions attended may be listed as additional activities.

Attendance at the Houston Symposium for Research in Education, sponsored by the College of Education, when it is offered

Membership in the Graduate Students Organization

Student membership in a professional organization (e.g., American Educational Research Association, American Association for the Study of Higher Education)

Candidacy Research Paper

HELPS doctoral students must complete a candidacy research paper before they are eligible to have their Comprehensive Examination Portfolio submission materials officially reviewed. Students are expected to conduct a research project within the general domain of higher education. The scope of this research project should be equivalent to what would be expected from a master's level thesis. Students who previously have completed a Master's Thesis may petition to have the thesis count for the candidacy research requirement and should consult with their academic advisor regarding this matter.

College Academic Policies



Higher Education, MEd

The Higher Education Program at University of Houston is grounded in a philosophical belief in the transformational nature of higher education as an institution of social change. We believe our nation's future depends on our ability to make effective use of the enormous talent and resources represented by the diversity of our people and our ideas.

The Master's of Education (M.Ed.) in Higher Education prepares those who aspire to leadership positions in student affairs and other key administrative areas within a college or university. The Higher Education Program is grounded in a philosophical belief in the transformational nature of higher education as an institution of social change.

The M.Ed. in Higher Education is offered in both face-to-face and online formats. Both delivery methods use a cohort model that enables students to earn their master's degree in two years. The coursework addresses critical issues impacting college students and post-secondary institutions, and emphasizes the connection between theory and practice. Reflecting our strong commitment to experiential learning, our program provides a wide array of Graduate Assistantship, internship, and professional development opportunities.

Houston, the nation's fourth-largest city, is bustling with culture and energy and has recently gained recognition as America's next great global city. Our students come to study with us from all over the United States and internationally, and represent a diverse array of backgrounds and experiences. Students learn and study alongside a distinguished higher education faculty that includes current or former university chancellors and presidents, provosts, deans of students, and internationally renowned researchers. The Higher Education faculty and students are committed to solving critical issues related to college access, equity, affordability, student engagement and learning, and degree completion.

For further information, please see <http://www.uh.edu/education/degree-programs/higher-ed-m/>.

Admission Requirements

The College of Education takes into consideration a number of criteria when determining admission, including prior college or university performance, letters of recommendation, standardized test scores and statement of intent. All applicants must abide by the minimum qualifications for admissions to a masters or doctoral program. All graduate applicants (regardless of citizenship status) must demonstrate proficiency in English to obtain admission to the University. For more information, visit <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency/>.

An applicant is responsible for ensuring that all required materials for the evaluation of admissions are received by the College before the program's deadline. If the application is not complete by the program's deadline, it will not be evaluated for the admissions. Full details of the online application process can be found at www.uh.edu/graduate-school/admissions/how-to-apply.

Applicant checklist:

Complete online graduate application including statement of interest, resume/c.v., letters of recommendation, and application fee payment.

Official transcripts from all previous college/university work sent to the UH Graduate School.

Official reporting of GRE scores taken in the last five years

International students have additional documentation requirements which can be found at www.uh.edu/graduate-school/admissions/international-students/

GRE Waiver Option



The GRE requirement is waived for applicants to the M.Ed. in Higher Education who have at least one of the following from an institution accredited by one of the six regional accrediting associations as specified in the UH Minimum Qualifications for Admission to Masters and Doctoral Programs:

an overall undergraduate grade point average of 3.00 or higher (on a 4-point scale), or
a master's or terminal degree.

Grade Point Average Requirements

Admission requirements for the College of Education require a minimum cumulative grade point average (GPA) of 2.6 for undergraduate coursework or over the last 60 credit hours of coursework. The College requires a minimum cumulative grade point average (GPA) of 3.0 for graduate coursework. The College's admission committees evaluate all credentials submitted by applicants to determine a student's ability and potential to succeed in graduate study. In addition, the committee is interested in the applicant's potential to contribute to his/her program of study and the University community as a whole.

Degree Requirements

Credit hours required for this degree: 36.0

Our 36 credit hour M.Ed. curriculum adheres to recommendations for higher education graduate programs as outlined by the Council for the Advancement of Standards in Higher Education (CAS) and the Association for the Study of Higher Education (ASHE).

Each student completes a semester-long internship, and this experience is attached to a three credit hour course (ELCS 6393).

Required Courses (33 hours):

CUST 6370 - Cultural Found Amer Edu **Credit Hours: 3.0**
ELCS 6322 - Org & Admin Stud. Support Serv **Credit Hours: 3.0**
ELCS 6332 - Student Develop/Student Affair **Credit Hours: 3.0**
ELCS 6334 - Assessment & Evaluation in Higher Education **Credit Hours: 3.0**
ELCS 6338 - American Higher Education **Credit Hours: 3.0**
ELCS 6342 - Critical Issues in Higher Education **Credit Hours: 3.0**
ELCS 6370 - Research for Educational Leaders **Credit Hours: 3.0**
ELCS 6380 - Educational Planning & Policy **Credit Hours: 3.0**
ELCS 6393 - Practicum **Credit Hours: 3.0**
ELCS 7330 - Admin of Higher Educ I **Credit Hours: 3.0**
ELCS 7354 - Leadership for Change **Credit Hours: 3.0**

Approved Electives List (3 hours)

Academic Policies

[College Academic Policies](#)

[University of Houston Academic Policies](#)

[Internships in Higher Education](#)



Students in the M.Ed. in Higher Education program complete a term-long internship that is connected to a three credit hour course (ELCS 6393: Internship in Educational Leadership). Internships engage students in educationally-related work and learning experiences that integrate knowledge and theory learned from their coursework with practical application in a professional setting. The internship is an essential component of the M.Ed. experience, as it affords students the opportunity to gain exposure to new administrative areas in higher education and clarify their career goals.

With guidance from their faculty advisor and the ELCS 6393 instructor, M.Ed. students are allowed to select an internship that supports their professional interests and career aspirations. While many of our students seek out their own internship experience, there are also established internship opportunities at UH offered through the Division of Student Affairs and Enrollment Services.

Professional Leadership - K-12, EdD

The Ed.D. in Professional Leadership is a 51-credit hour program providing intensive research and applied skills for students grappling with real world concerns in education. Students bring the most pressing concerns experienced by the educational community to each course. A laboratory of Practice and Doctoral Thesis provide students an avenue to apply the specifics of these problems to their other courses and their research. Students complete requirement for the Texas Examination of Educators Standards (TExES) Superintendent (195) Certification.

Doctor of Philosophy

- Prerequisites
- Degree Requirements
- Residency Requirements
- Candidacy Project and Advancement to Candidacy
- Doctoral Comprehensive Exam Requirements
- Doctoral Thesis/Dissertation Requirements
- Graduation Requirements

Prerequisites

Students admitted to the EdD program in Curriculum and Instruction typically complete 18 semester credit hours of professional education courses and two years of teaching or the equivalent prior to academic study. The PhD program consider applicants both with and without prior graduate credit.

Degree Requirements

Programs vary in length from 51 hours (the three specializations of Professional Leadership EdD) to, in some cases, more than 100 hours (Counseling Psychology and School Psychology if students have no prior graduate credit). The following represents minimal expectations regarding the completion of a doctoral degree in the College of Education. Some programs and/or departments may have additional degree requirements.

At least six hours of doctoral thesis/dissertation credit.

The completion of all degree requirements, including successful doctoral thesis/dissertation defense and internship, must take place within ten years from the date of admission to a degree program.

A degree plan is required; students must complete a degree plan in MyAdvisor.

All transfer and subsequent work require a minimum 3.00 grade point average (A=4.00). The college cannot give graduate credit for grades lower than a C.



A graduate student receiving a grade of C+ or lower in 12 semester hours of credit at the University of Houston, whether or not in repeated courses, is ineligible for any advanced degree and cannot re-enroll for graduate study. Departments or programs may have grade point average or course performance expectation exceeding these requirements.

The College of Education accepts a maximum of nine graduate credit hours from an accredited university, with the approval of a faculty advisor and the college's Associate Dean of Graduate Studies.

The University of Houston will not accept the transfer of courses with grades lower than B-, completed more than five years prior to the date of admission to the University, and/or applied to a previously completed degree program.

The doctoral level courses number at the 7000- and 8000-levels. However, doctoral students are eligible to take graduate level courses numbered 6000. Students may consult course descriptions in this catalog for information on courses requiring prerequisites or special authorization.

The College of Education requires a doctoral-level introduction to educational research. After successfully completing these requirements, all doctoral students must complete course work in qualitative and/or quantitative research methods. Selection of these courses should be consistent with the student's doctoral thesis or dissertation.

Residency Requirements

To fulfill residency requirements, students are in full-time status for two consecutive academic terms, an academic term, a consecutive 12-week summer session, or three consecutive 12-week summer sessions. The specific residency requirements vary among departments. At the end of each term of residency, students must complete a Residency Report in MyAdvisor for approval by their faculty advisor and college administration.

Candidacy Project and Advancement to Candidacy

Students must complete their candidacy project under the direction of a faculty member or advisor and successfully defend the paper to a departmental examining committee. At least 10 working days before the oral examination, the departmental examining committee members should receive copies of the candidacy paper. Candidates should consult their departmental office for additional and specific information regarding the candidacy project. After successful completion of a candidacy project, students must complete a Candidacy Report in MyAdvisor for approval by their faculty advisor and college administration.

In order to Advance to Candidacy, students complete a candidacy project, successfully defend their candidacy paper, pass a comprehensive examination, and effectively defend their doctoral thesis/dissertation proposal.

Doctoral Comprehensive Exam Requirements

Students must pass a comprehensive examination* after completing at least thirty-six (36) hours of course work. The student must also have an approved degree plan, residency application (if applicable), and a candidacy report documented in MyAdvisor. Students should not have incomplete grades and must maintain a 3.0 grade point average on all graduate coursework. Specific programs or departments may have additional requirements. Document the Doctoral Comprehensive Exam application and grade in MyAdvisor.

A student who fails the comprehensive examination on the first attempt may take the examination a second time with the written recommendation of the student's faculty advisor, program coordinator, and department chair. The Associate Dean of Graduate Studies will determine final approval for second examination attempt. **

Denial of a request for re-examination or if the second re-examination is a failing, the student shall be ineligible for a doctoral degree in the College of Education at the University. The college requires a re-examination if a student does not successfully defend their Doctoral Thesis/Dissertation within five years of their initial comprehensive examination.



**The Professional Leadership, EdD in Administration and Supervision (K-12) requires the TExES Superintendent Exam and Certification in lieu of a Doctoral Comprehensive Exam.*

***The Professional Leadership, EdD in Administration and Supervision (K-12) will allow two attempts for the TExES Superintendent Exam. Denial of a request for re-examination by the EPLS department may occur if a student fails the state exam twice. If denied, the student is ineligible for a doctoral degree in the College of Education at the University.*

Doctoral Thesis/Dissertation Requirements

Students must complete their doctoral thesis/dissertation to the satisfaction of their research committee and successfully defend their doctoral thesis/dissertation before their committee chair and appointed committee members.

Once enrolled in doctoral thesis/dissertation hours, enrollment must be continuous, with the exception of summers. Students who will graduate in the summer, however, must enroll in doctoral thesis/dissertation credit hours during this term.

The college requires students to submit their doctoral thesis/dissertation abstract and oral defense announcement in MyAdvisor. MyAdvisor automatically selects an oral defense date, 10 days in advance. The student will have the option to coordinate the oral defense time, location, and set date in MyAdvisor. Once the oral defense date, time, and location is determined, the student notifies their committee chair and appointed committee members. The committee chair and appointed committee members should receive a copy of the doctoral thesis/dissertation 10 days prior the defense date. The faculty Advisor documents the successful or unsuccessful oral defense in MyAdvisor.

The College requires a completed doctoral thesis/dissertation for MyAdvisor and the Texas Digital Libraries prior to graduation approval. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.

Graduation Requirements

The College requires completion of all applicable graduate coursework and benchmarks prior to proposed graduation. Students should file an application for graduation in MyUH early in the final term of their degree. The university's Academic Calendar lists the application filing deadlines per semester. For more information, visit the college's Office of Graduate Studies, 256 Farish Hall.

Required Courses:

To obtain a Doctorate in professional leadership, students must complete **51 semester hours, successfully pass the TExES Superintendency Exam (0195), and defend their Doctoral Thesis.**

These hours will be derived from:

- ELCS 8310 - The Superintendency **Credit Hours: 3.0**
- ELCS 7392 - Internship in Superintendent **Credit Hours: 3.0**
- ELCS 8315 - Transformational Leadership for School Administrators **Credit Hours: 3**
- ELCS 8301 - Leadership Theory for School Administrators **Credit Hours: 3**
- ELCS 7354 - Leadership for Change **Credit Hours: 3.0**
- ELCS 8356 - Program Policy Evaluation **Credit Hours: 3.0**
- ELCS 8361 - Public & Community Relations **Credit Hours: 3.0**
- ELCS 8350 - Resource Management **Credit Hours: 3**
- EDRS 8380 - Rsch Mthds in Educ **Credit Hours: 3.0**
(Part 1)
- EDRS 8381 - Rsch Mthds in Educ **Credit Hours: 3.0**



(Part 2)

ELCS 8341 - Adult Learning Theory **Credit Hours: 3**

ELCS 8397 - Sem Top Ed Ldshp&Cul St **Credit Hours: 3.0**

Total Hours of Required Courses: 39.0 Hours

Laboratory of Practice (1 Course/6 Hours)

CUIN 8310 - Laboratory of Practice **Credit Hours: 3**

Doctoral Thesis (1 Course/6 Hours)

CUIN 8690 - Doctoral Thesis **Credit Hours: 6**

Professional Leadership - Special Populations, EdD

College of Education > Department of Educational Leadership and Policy Studies > Professional Leadership - Special Populations, EdD

The Executive EdD in Professional Leadership-Special Populations prepares graduates for Professional and Instructional Leadership positions in a variety of settings and provides them with the tools to meet the needs of ALL students.

The EdD in Professional Leadership Special Populations is a 51-credit hour program providing intensive research and applied skills for students grappling with real-world concerns in education. Students bring the most pressing challenges experienced by the educational community to each course. A Laboratory of Practice and Doctoral Thesis provide students an avenue to apply the specifics of these problems to their other courses, their research, and provide support to their community.

The program prepares graduates for Professional and Instructional Leadership positions in a variety of settings and provides them with the tools to meet the needs of ALL students. Graduates are ready to assume positions as coaches, consultants, directors, and instructional leaders who grapple with the challenges faced by many students in the nation's schools.

For more information, please visit the Professional Leadership - Special Populations, EdD program page.

Admission Requirements



Students admitted to the EdD in Professional Leadership Special Populations program in the Department of Educational Leadership and Policy Studies (DELPS) typically have earned a Master's Degree in Education or a related field. Many prospective students work in educational, philanthropic, or healthcare fields.

Admission requirements for the College of Education require a minimum cumulative grade point average (GPA) of 2.6 for undergraduate coursework or over the last 60 credit hours of coursework. The College requires a minimum cumulative GPA of 3.0 for graduate coursework. The College's admission committees evaluate all credentials submitted by applicants to determine a student's ability and potential to succeed in graduate study. In addition, the committee is interested in the applicant's potential to contribute to his/her program of study and the University community as a whole.

Visit <http://www.uh.edu/graduate-school/admissions/how-to-apply> to start the application process.

Admission Materials

- ApplyWeb Application
- Transcripts
- Official Test Scores
- Statement of Interest
- Resume or Curriculum Vitae
- Letters of Recommendation
- Application fee (\$80 domestic/\$75 international)

For more on admissions, please visit the College of Education Graduate Admissions page.

Degree Requirements

Credit hours required for this degree: 51.0

The Professional Leadership-Special Populations is designed to be completed in less than three years. Specifically, students will take fifty-one (51) credit hours of coursework across eight (8) semesters to complete the degree. Since degree plans are enhanced periodically to support continuous improvement planning objectives, students will follow their approved degree plan that is in place at the time in which they complete an official, approved degree plan.

Research Core Coursework

9 credit hours

- EDRS 8380 - Rsch Mthds in Educ **Credit Hours: 3.0**
- EDRS 8381 - Rsch Mthds in Educ **Credit Hours: 3.0**
- SPEC 8375 - Research for Special Populations **Credit Hours: 3**
- SPEC 8376 - Research Methods for Low Incidence Populations **Credit Hours: 3**

Special Populations Coursework

15 credit hours

- SPEC 7341 - Assessment of Learning Difficulties **Credit Hours: 3**
- SPEC 7391 - Collaborative Consultation and Coaching **Credit Hours: 3**
- SPEC 8360 - Instructional Problems in Special Populations **Credit Hours: 3.00**



SPEC 8365 - Administration and Supervision of Special Education **Credit Hours: 3**
SPEC 8375 - Research for Special Populations **Credit Hours: 3**
SPEC 8376 - Research Methods for Low Incidence Populations **Credit Hours: 3**

Cognate Supporting Courses

9 credit hours

CUIN 7373 - Instr Strat Tchng Adult **Credit Hours: 3.0**
PHLS 8345 - Adult Cognition and Learning **Credit Hours: 3.0**

Choose one from the following:

CUIN 8303 - Seminal Thinkers Affecting American Education **Credit Hours: 3**

Professional Leadership Courses

9 credit hours

ELCS 8325 - Instnl Leadercurri&Prof Develop **Credit Hours: 3.0**
ELCS 8340 - Organizatn & Admin Curriculum **Credit Hours: 3.0**

Choose one from the following:

ELCS 8345 - School-Based Budgeting and Practical Law **Credit Hours: 3.0**
ELCS 8355 - Policy Pol & Gov of Education **Credit Hours: 3.0**

Applied Research Coursework

9 credit hours

CUIN 8310 - Laboratory of Practice **Credit Hours: 3**
CUIN 8690 - Doctoral Thesis **Credit Hours: 6**

Academic Policies

University of Houston Academic Policies

Registration for Doctoral Thesis Credits/Independent Study Courses

Once students sign up for doctoral thesis credits they must continuously enroll for a minimum of 3 credits of doctoral thesis every subsequent semester until the doctoral thesis is completed

Ongoing and Annual Review

The overall progress of all doctoral students is evaluated annually by faculty advisors associated with the DELPS program. Students are given feedback each year concerning the outcome of this evaluation. Students are in good standing if they:



register continuously at the University in courses consistent with the approved degree plan, or seek a formal leave of absence from the program if they must interrupt their enrollment;

maintain close contact with their faculty advisor concerning progress toward the degree;

make adequate progress in their research (e.g., candidacy paper, etc.) in accordance with the length of time that the student has enrolled in the program; and,

maintain adequate progress and performance in their coursework. Adequate progress includes formally resolving all Incompletes received in any course during the previous semesters.

Laboratory of Practice

Leaders in applied educational settings grapple with the identification and implementation of evidence based interventions and assessments. The program provides intensive research and applied skills development for students who face any of these real-world concerns. In Labs of Practice coursework, students bring the most pressing challenges experienced by the educational community to the experience. They learn as a team to network and support fellow members. Each member works on a grand challenge that faces them in their own professional context. The program offers students the intellectual space to read the research that relates to their challenge, source the interventions that have been tried in various educational settings, design solutions that will result in evidence based outcomes, and generate a plan of action for moving forward. This practical nature of the Labs of Practice experience ensures that students have an avenue to apply the specifics of these problems to their other courses and to their research. The program emphasizes problem solving, student collaboration, and planning for a future as an instructional coach/leader throughout the Labs of Practice 6 credit sequence.

Special Populations, MEd

The Special Populations Master's Program prepares professionals for the high-needs field of Special Education. Graduates find abundant opportunities for challenging and rewarding careers.

The Master's in Special Populations develops professional, interpersonal, and intrapersonal skills through:

- College of Education Core Coursework
- Special Education Content Coursework
- Comprehensive Exam

The Special Populations Master's Program prepares educators to assume positions in:

- Public and Private Early Childhood - 12th-grade school settings
- Educational and Social Agencies
- Foundations
- Public and Private Research Organizations
- Residential Facilities

Graduates with an MEd in Special Populations may pursue the following careers:

- Community College Instructors
- Educational Diagnosticians



Special Education Teachers

EC-12 Team Leaders

EC-12 Department Chairs

EC-12 Special Education Coordinators/Administrators*

The program offers five areas of emphasis:

Special Education Emphasis (Online)

Special Education Certification Emphasis (Hybrid)

Educational Diagnostician Certification Emphasis (Hybrid)

Gifted and Talented Emphasis (Online)

Special Education Leadership Emphasis (Hybrid)

For further information, please see: <http://www.uh.edu/education/degree-programs/spec-ed-med/>.

Admission Requirements

The College of Education takes into consideration a number of criteria when determining admission, including prior college or university performance, letters of recommendation, standardized test scores and statement of intent. All applicants must abide by the minimum qualifications for admissions to a masters or doctoral program. All graduate applicants (regardless of citizenship status) must demonstrate proficiency in English to obtain admission to the University. For more information, visit <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency/>.

An applicant is responsible for ensuring that all required materials for the evaluation of admissions are received by the College before the program's deadline. If the application is not complete by the program's deadline, it will not be evaluated for the admissions. Full details of the online application process can be found at www.uh.edu/graduate-school/admissions/how-to-apply.

Applicant checklist:

Complete online graduate application including statement of interest, resume/CV, letters of recommendation, and application fee payment. Students applying to the Educational Diagnostician Certification emphasis area need to include a copy of their valid teaching certificate.

Official transcripts from all previous college/university work sent to the UH Graduate School

Official reporting of GRE scores taken in the last five years. For information about the GRE waiver, see this link:

<http://www.uh.edu/education/admissions/graduate/admission-app-instructions/delps-gre-waiver.php#spec-pops>.

International students have additional documentation requirements, which can be found at <http://www.uh.edu/graduate-school/international-students/>.

Grade Point Average Requirements

Admission requirements for the College of Education require a minimum cumulative grade point average (GPA) of 2.6 for undergraduate coursework or over the last 60 credit hours of coursework. The College requires a minimum cumulative grade point average (GPA) of 3.0 for graduate coursework. The College's admission committees evaluate all credentials submitted by applicants to determine a student's ability and potential to succeed in graduate study. In addition, the committee is interested in the applicant's potential to contribute to his/her program of study and the University community as a whole.



Degree Requirements

Credit hours required for this degree: 30.0

The curriculum for the MEd in Special Populations Program involves the completion of specific coursework. This coursework is designed to be consistent with State of Texas Certification requirements and with the College of Education's conceptual model.

Core Coursework

9.0 Credit Hours

SPEC 6360 - Individuals with Disabilities **Credit Hours: 3**

OR

SPEC 6367 - Special Education for School Leaders **Credit Hours: 3**

SPEC 6340 - Learning and Education Sciences **Credit Hours: 3**

SPEC 6327 - Introduction to Educational and Psychological Measurement **Credit Hours: 3.00**

Special Education Emphasis

21.0 Credit Hours

Offered Online

This emphasis focuses on obtaining the necessary capacity for working with students with disabilities.

Students who complete the **Special Education** Emphasis:

Understand, assess, and evaluate the needs of students with disabilities to make instructional decisions.

Skillfully manage the teaching environment, including the use of assistive technology.

Promote students' educational, behavioral and social performance.

Apply knowledge of transition issues and teaching across the lifespan.

SPEC 6353 - Technology in Special Populations **Credit Hours: 3**

SPEC 6361 - Behavior: Interventions **Credit Hours: 3.00**

SPEC 6362 - Behavior: Evidence-Based Decisions **Credit Hours: 3.00**

SPEC 6363 - Instructional Interventions **Credit Hours: 3.00**

SPEC 6365 - Data-Based Individualization of Instruction **Credit Hours: 3.00**

SPEC 7391 - Collaborative Consultation and Coaching **Credit Hours: 3**

SPEC 7343 - Psychological Processes of Reading **Credit Hours: 3**

Special Education Certification Emphasis

21.0 Credit Hours

Offered Online

This emphasis focuses on obtaining the necessary capacity for working with students with disabilities.

Students who complete the **Special Education** Emphasis:



Understand, assess, and evaluate the needs of students with disabilities to make instructional decisions.
Skillfully manage the teaching environment, including the use of assistive technology.
Promote students' educational, behavioral and social performance.
Apply knowledge of transition issues and teaching across the lifespan.
Engage in the roles and responsibilities of the teaching profession.

SPEC 6353 - Technology in Special Populations **Credit Hours: 3**

SPEC 6361 - Behavior: Interventions **Credit Hours: 3.00**

SPEC 6362 - Behavior: Evidence-Based Decisions **Credit Hours: 3.00**

SPEC 6363 - Instructional Interventions **Credit Hours: 3.00**

SPEC 6365 - Data-Based Individualization of Instruction **Credit Hours: 3.00**

SPEC 7391 - Collaborative Consultation and Coaching **Credit Hours: 3**

SPEC 7343 - Psychological Processes of Reading **Credit Hours: 3**

Additional information about certification requirements can be found at: <http://www.uh.edu/education/degree-programs/spec-ed-med/>.

Educational Diagnostician Certification Emphasis

21.0 Credit Hours

Offered Hybrid (Online and Classroom)

This emphasis prepares students for certification as Educational Diagnosticians in Texas Public Schools. Students in this program currently hold a teaching certificate in the State of Texas. This program extends teachers' special education expertise by developing the necessary skillset to assess and identify learning problems in children, consult with parents and teachers in a multidisciplinary setting, and assume leadership roles.

Students who complete the **Educational Diagnostician Certification** Emphasis:

Understand federal and state disability criteria and identification procedures for determining the presence of an educational need.

Recognize the significance of diversity for evaluation, planning, and instruction.

Select, administer and interpret appropriate assessments and evaluations.

Understand appropriate curricula and instructional strategies for developing the academic, behavioral and social skills of students with disabilities.

Engage the roles and responsibilities of the teaching profession.

Required Courses

SPEC 7391 - Collaborative Consultation and Coaching **Credit Hours: 3**

SPEC 7341 - Assessment of Learning Difficulties **Credit Hours: 3**

SPEC 7343 - Psychological Processes of Reading **Credit Hours: 3**

Electives (12 hours/4 courses)

Students without special education certification must choose SPEC 6361, SPEC 6362, SPEC 6363, and SPEC 6365.

Students with special education certification may request approval from the faculty advisor to substitute up to 3 of the special education content courses (SPEC 6361, SPEC 6362, SPEC 6363, and SPEC 6365) with leadership courses.

SPEC 6361 - Behavior: Interventions **Credit Hours: 3.00**



- SPEC 6362 - Behavior: Evidence-Based Decisions **Credit Hours: 3.00**
- SPEC 6363 - Instructional Interventions **Credit Hours: 3.00**
- SPEC 6365 - Data-Based Individualization of Instruction **Credit Hours: 3.00**
- ELCS 6301 - Leadership for Equity in Diverse Schools **Credit Hours: 3**
- ELCS 6304 - Law & Policy for School Leaders **Credit Hours: 3**
- ELCS 6350 - School Leadership, The Principalship **Credit Hours: 3**

Additional information about certification requirements can be found at: <http://www.uh.edu/education/degree-programs/spec-ed-med/>.

Gifted and Talented Emphasis

21.0 Credit Hours

Offered Online

This emphasis prepares students to complete supplemental certification as Gifted and Talented while providing a thorough understanding of theory, research strategies, and best practices of gifted education.

Students who complete the **Gifted and Talented** Emphasis:

- Understand the standards for providing comprehensive services incorporating research-based best practices for gifted and talented learners.
- Recognize the significance of diversity for evaluation, planning, and instruction.
- Demonstrate knowledge of assessment instruments and gifted/talented identification procedures that provide students an opportunity to demonstrate their diverse talents and abilities.
- Meets the needs of gifted and talented students by modifying the depth, complexity, and pacing of the curriculum and instruction ordinarily provided by the school.
- SPEC 6361 - Behavior: Interventions **Credit Hours: 3.00**
- SPEC 6363 - Instructional Interventions **Credit Hours: 3.00**
- SPEC 6365 - Data-Based Individualization of Instruction **Credit Hours: 3.00**
- SPEC 7391 - Collaborative Consultation and Coaching **Credit Hours: 3**
- SPEC 6349 - Introduction to the Education of Students with Gifts and Talents **Credit Hours: 3**
- SPEC 6350 - Nature of Needs of Students with Gifts and Talents **Credit Hours: 3**
- SPEC 6355 - Creative & Productive Thinking for Students with Gifts and Talents **Credit Hours: 3**

Special Education Leadership Emphasis

21.0 Credit Hours

Offered Hybrid (Online and Classroom)

This emphasis prepares students who are working with learners with disabilities and other special needs to assume administrative roles* in special education in a K-12 school or at the district level. Develops students into special education leaders* that have the skills to address the complex issues surrounding educating students with challenges related to learning, social, and emotional needs.

Students who complete the **Special Education Leadership** Emphasis:

- Apply current special education laws and policies to design and deliver inclusive special education and/or support for diverse students.



Provide leadership* and expertise in assessing, identifying, and implementing special education needs and to collaborate with related services and other personnel, including school psychologists, educational diagnosticians, speech therapists, administrators, and teachers.

Understand ethical decision making, innovative problem solving, and professional growth.

Understand appropriate curricula and instructional strategies for developing the academic, behavioral and social skills of students with disabilities.

SPEC 6362 - Behavior: Evidence-Based Decisions **Credit Hours: 3.00**

SPEC 6363 - Instructional Interventions **Credit Hours: 3.00**

SPEC 6365 - Data-Based Individualization of Instruction **Credit Hours: 3.00**

SPEC 7391 - Collaborative Consultation and Coaching **Credit Hours: 3**

ELCS 6301 - Leadership for Equity in Diverse Schools **Credit Hours: 3**

ELCS 6304 - Law & Policy for School Leaders **Credit Hours: 3**

ELCS 6350 - School Leadership, The Principalship **Credit Hours: 3**

Academic Policies

University of Houston Academic Policies

College of Education Academic Policies

Comprehensive Exam

Students in the MEd in Special Populations Program may elect to complete either a written Comprehensive Examination or take and pass the relevant TExES Examination as part of a capstone to the program.

Comprehensive Exam

The Department of Educational Leadership and Policy Studies regularly schedules written exams that test a student's comprehensive knowledge of the Special Populations Program area. Students have the option of taking a traditional written comprehensive examination. Students seeking certification may take the appropriate TExES Certification exam in lieu of the traditional written comprehensive examination. Students should apply for the exam in the last two semesters of their program through MyAdvisor. All students in the MEd in Special Populations program must successfully complete the Master's Comprehensive Examination.



College of Education Faculty

Faculty Emeriti

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Cullen College of Engineering

Aerospace Engineering Program

Materials Science and Engineering Program

Sasakawa International Center for Space Architecture (SICSA)

Subsea Engineering Program

Programs

Graduate Certificate

- Corrosion Control and Management, Certificate
- Corrosion Engineering, Certificate
- Engineering Data Science, Certificate
- Process Safety Engineering

Department of Biomedical Engineering

Programs

Master

- Biomedical Engineering, MSBE

Doctoral

- Biomedical Engineering, PhD

William A. Brookshire Department of Chemical and Biomolecular Engineering

Programs

Master

- Chemical Engineering, MChE
- Chemical Engineering, MSChE

Doctoral



- Chemical Engineering, PhD

Graduate Certificate

- Process Engineering and Modeling Certificate

Department of Civil and Environmental Engineering

Programs

Master

- Civil Engineering, MSCE
- Environmental Engineering, MS
- Geosensing Systems Engineering and Sciences, MS

Doctoral

- Civil Engineering, PhD
- Environmental Engineering, PhD
- Geosensing Systems Engineering and Sciences, PhD

Graduate Certificate

- Global Climate, Energy, and Environment, Certificate

Department of Electrical and Computer Engineering

Programs

Master

- Computer and Systems Engineering, MS
- Electrical Engineering, MSEE

Doctoral

- Electrical Engineering, PhD

Graduate Certificate

- Power Electronics and Renewable Energy Technologies, Certificate
- Power Systems and Smart Grid, Certificate

Department of Industrial Engineering



Programs

Master

- Engineering Management, MA
- Engineering Management, MEMGMT
- Industrial Engineering, MIE
- Industrial Engineering, MSIE

Doctoral

- Industrial Engineering, PhD

Dual Degree - Graduate

- Industrial Engineering, MIE/MBA

Department of Mechanical Engineering

Programs

Master

- Aerospace Engineering, MS
- Materials Science and Engineering, MS
- Mechanical Engineering, MME
- Mechanical Engineering, MSME
- Space Architecture, MS
- Subsea Engineering, MS

Doctoral

- Materials Science and Engineering, PhD
- Mechanical Engineering, PhD

Dual Degree - Graduate

- Aerospace Engineering and Space Architecture, MS
- Mechanical and Aerospace Engineering, MS
- Mechanical and Subsea Engineering, MS

Graduate Certificate

- Advanced Subsea Engineering, Certificate
- Data Analytics and Condition and Performance Monitoring of Engineered Systems, Certificate
- Subsea Engineering, Certificate

Department of Petroleum Engineering



Programs

Master

- Petroleum Engineering, MPetE
- Petroleum Engineering, MSPetE

Doctoral

- Petroleum Engineering, PhD

Dual Degree - Graduate

- Petroleum and Subsea Engineering, MS

Graduate Certificate

- Fundamentals of Petroleum Engineering, Certificate
- Unconventional Energy Resources, Certificate



About the Cullen College of Engineering

Engineering Dean's Office

Dean

Joseph W. Tedesco, Ph.D., P.E.

Associate Dean for Research and Facilities

Hanadi Rifai, Ph.D., P.E., F. ASCE

Associate Dean for Graduate Programs

Suresh Khator, Ph.D.

Associate Dean, Undergraduate Programs and Distance Learning

JR Rao, Ph.D

Associate Dean of Administration

Roshawnda Anderson, Ph.D.

Director of Undergraduate Support Services

Fritz Claydon, Ph.D.

Director of College Business Operations

Stephen Bangerter

Director of Graduate Student Affairs

Miranda Vernon-Harrison

College Recruitment Manager

Xianxin (Mike) Zhang

Biomedical Engineering - Graduate Program



Contact: Dr. Charlotte Waits, Academic Advisor
Phone: 713-743-3750
Email: ckwaits@central.uh.edu

Chemical & Biomolecular Engineering - Graduate Program

Contact: Yolanda Thomas, Academic Advisor
Phone: 713-743-4311
Email: ymthomas@central.uh.edu

Civil & Environmental Engineering - Graduate Programs

Civil, Environmental, and Geosensing Engineering Programs
Contact: Jose Rodriguez, Academic Advisor
Phone: 713-743-7060
Email: civilgrad@egr.uh.edu

Electrical & Computer Engineering - Graduate Program

Contact: Kelly King, Academic Advisor
Phone: 713-743-7955
Email: ece@egr.uh.edu

Industrial Engineering - Graduate Program

Contact: Melanie Neill, Academic Advisor
Phone: 713-743-5504
E-mail: mdneill@central.uh.edu

Mechanical Engineering - Graduate Program

Aerospace and Mechanical Engineering Program
Contact: Cecily Smith, Academic Advisor
Phone: 713-743-4505
E-mail: megrad@uh.edu

Materials Science and Engineering

Contact: Dr. Chrisdolyn Dawson
Phone: 713-743-9257
Email: cdawson@Central.UH.EDU

Petroleum Engineering - Graduate Program



Contact: Anne Sturm, Graduate Advisor

Phone: 832-842-4848

E-mail: masturm@uh.edu

Contact: Trina Johnson, Graduate Advisor

Phone: 832-842-4838

E-mail: tjohnso5@central.uh.edu

Subsea Engineering

Contact: Cecily Smith, Academic Advisor

Phone: 713-743- 4505

Email: megrad@uh.edu

General Information

The programs and courses listed in this section of the catalog describe Cullen College of Engineering offerings as of the date of publication. While the degree programs are expected to remain unchanged, the courses themselves will change to meet the demands of the engineering profession.

Facilities

The college is housed in several buildings on and off-campus. Biomedical Engineering recently populated the second floor of the Science and Engineering Research Center (SERC), a multidisciplinary center focused on UH Health initiatives. Part of the first floor of SERC houses the UH Nanofabrication Facility, a state-of-the-art clean room managed by the Materials Science and Engineering Program and supported by the UH Division of Research. The Petroleum Engineering Program opened in a newly renovated facility at UH Technology Bridge (formerly Energy Research Park) in January 2011. The park is also home to several Cullen College research efforts, including the Texas Center for Clean Engines, Emissions and Fuels, and the National Wind Energy Center.



Admission Requirements: Cullen College of Engineering

In general, applicants seeking admission to graduate study into a Master's, PhD, or certificate program in one of the major disciplines, must have a Bachelor's degree in Engineering from an accredited program or from a related program in Science or Mathematics from an accredited program. A grade point average of 3.0/4.0 and officially-reported scores from the Graduate Record Examination (GRE) is required for unconditional admission. For specific requirements, consult the individual department or interdisciplinary program.

To apply for admission to an Engineering graduate programs, the prospective student must complete the application process as described on the Graduate School admissions website, including completed online application, application fee payment, and document submission.

Note: Application fees are non-refundable. Letters of recommendation should be from professors or employment supervisors on company stationery or on forms provided by the department of your intended program of study, with at least one recommendation coming from a former professor.

Application files must be complete before applicants can be admitted to a graduate program.

The admission requirements for international students include the above criteria and additional items, as described on the Graduate School international applicants website.

Conditional Admissions

Under certain circumstances a student may be admitted conditionally. The conditions will be specified on the admissions letter. It will be a student's responsibility to make sure those conditions are satisfied by the stipulated time period.



Degree Requirements: Cullen College of Engineering

In general, no 3000-level courses are applicable to a graduate degree program. The use of junior-level engineering courses by engineering students should be for leveling courses only. Any use of junior-level courses for graduate credit must be approved in advance by petition.

All course work taken to satisfy the master's degree requirements must be approved in advance by the departmental or program graduate advisor. The student is expected to be familiar with the various requirements of his or her particular department or program.



Graduate Academic Policies: Cullen College of Engineering

University Academic Regulations and Degree Requirements

Students must satisfy all the university academic regulations and degree requirements. See the Policies section of the Graduate Catalog.

Transfer Credit

The Cullen College of Engineering only allows a maximum of six credit hours of graduate transfer credit (with a grade of A or B) toward a Master's or PhD degree, upon approval of your departmental Graduate Advisor and the Associate Dean of Graduate Studies and Research of the College. For further transfer credit guidelines, visit the Transfer Credit section of the Graduate Catalog.

Credit Level Changes

A graduate student may apply up to six semester credit hours taken as a post-baccalaureate (PB) student toward a Master's degree with departmental and college approval. No course applied to complete the requirements for a prior degree can be used to satisfy the requirements for a later degree. A written request to change credit-level must be submitted through the departmental Graduate Advisor to the departmental Graduate Admissions Assistant for approval within one year after receiving notice of acceptance into the graduate program.

Courses taken by a PB student who does not qualify for admission to graduate school because of a deficient GPA cannot be transferred to graduate credit after the PB student has been admitted to a graduate program.



Enrollment and Time Limitations

General Guidelines

In general, graduate students are expected to be enrolled in consecutive long semesters (i.e., fall and spring) until the degree is completed and awarded. If you cannot enroll in a given term, then you must apply by general petition to your college through your department for a leave of absence. The five-year rule on master's coursework still applies.

Full-time enrollment means that you must enroll and complete the minimum number of hours each term as outlined below. We expect supported graduate students to progress toward their degrees at a reasonable pace. This means that dropping of courses by full-time graduate students is discouraged. Requests for full-time graduate students to drop courses below full-time status must have the approval of the Departmental Graduate Advisor, Chair and the Graduate Associate Dean and will be granted only in exceptional circumstances.

Full time enrollment for self-supported and supported (regardless of the source of campus employment or scholarship) Masters students is 9 hours. The only exception is the graduating semester, where the student will enroll in the hours required for graduation.

	Supported (RA/GA/GA-NE/TA/IA or Scholarship-Fellowship)		Unsupported Temporary Visa (F-1, J-1)	
Term	M/MS Spring and Fall	PhD	M/MS	PhD
Spring	9	9 Hours	9 Hours	9 Hours
Summer	6 Hours	6 Hours(if required to enroll)		
Fall	9	9 Hours	9 Hours	9 Hours

Students who receive a waiver based on a scholarship are required to enroll full-time.

Full-time enrollment is expected of the following categories of graduate students:

- Students who receive financial support from the University of Houston.
- Students who are making significant use of campus resources.
- Students who are meeting PhD residency requirements.
- Non-Immigrant visa-holding students (F-1, J-1, or other temporary visas).
- Students during their last term can enroll for the hours required to meet their degree requirements by filing a petition for a reduced course load (RCL).

Thesis/Research Enrollment

Master's students first enroll in the 6x98 as soon as you begin work on your master's research. You must be continuously enrolled in research until you graduate, including summers if you are working on your research with your advisor.

Master's students first enroll in the 6399-7399 (thesis courses) the term they submit their proposal and committee appointment page to their major department.

Master's students continue to enroll in 6x98 (research course) each term until they graduate (including the term of graduation).

Master's students are awarded a final thesis grade in 6399 and 7399 from their thesis chair after successfully defending their thesis and submitting a minimum of 1-2 copies of their thesis to the Engineering Dean's Office for binding.



If you expect to graduate in a given term, you must enroll in and complete that term at the University of Houston (or the University of Houston-Clear Lake if you had also been taking courses there).

Dissertation/Research Enrollment

Doctoral students first enroll in the 8x98 as soon as you begin work on your Doctoral research. You must be continuously enrolled in research until you graduate, including summers if you are working on your research with your advisor.

Doctoral students first enroll in the 8399, 8699 and/or 8999 (12 hours of dissertation courses) the term they submit their proposal and committee appointment page to their major department.

Doctoral students continue to enroll in 8x98 (research course) each term until they graduate (including the term of graduation).

Doctoral students are awarded a final dissertation grade in 8399, 8699 and/or 8999 (12 hours of dissertation courses) from their dissertation chair after successfully defending their dissertation and submitting a minimum of 1-2 copies of their dissertation to the Engineering Dean's Office for binding.

If you expect to graduate in a given term, you must enroll in and complete that term at the University of Houston (or the University of Houston-Clear Lake if you had also been taking courses there).

Time Limitation

The university has a five-year time-limit rule for Master's degree programs (this includes PB credit level changes and graduate transfer credit). Students who enroll at the University of Houston must complete the usual master's degree program within five years of the date of admission to the master's program at the University of Houston. Students who are in the joint MIE/MBA program have 7 years in which to complete this joint-degree program.

No course over five years old at the time of graduation can be used to satisfy the master's degree course requirements. This includes PB courses changed to graduate credit and transfer graduate courses approved for graduate credit. No PB courses from another university can be used for graduate credit.

Doctoral students must complete their dissertation within five years after completion of the comprehensive/qualifying exam. Otherwise, the exam must be repeated. The overall time limit for completing a PhD degree is ten years from the first day of enrollment.

The following comment is taken directly from the Graduate and Professional Studies Catalog: "Graduate students may hold a graduate assistantship (teaching or research) for no more than three years in pursuit of a master's degree, no more than five years in pursuit of a doctorate, and for no more than six years if pursuing a doctorate directly after entering a graduate program with a baccalaureate degree. This means that financial aid is not available when the assistantship limit is exceeded. Normally, no individual may hold an assistantship at the University of Houston for more than a total of six years. Any exception to this policy must receive the approval of the dean of the college and the senior vice president for academic affairs."



Cullen College of Engineering

Cullen College of Engineering

Aerospace Engineering Program

Materials Science and Engineering Program

Sasakawa International Center for Space Architecture (SICSA)

Subsea Engineering Program

Programs

Graduate Certificate

- Corrosion Control and Management, Certificate
- Corrosion Engineering, Certificate
- Engineering Data Science, Certificate
- Process Safety Engineering

Department of Biomedical Engineering

Programs

Master

- Biomedical Engineering, MSBE

Doctoral

- Biomedical Engineering, PhD

William A. Brookshire Department of Chemical and Biomolecular Engineering

Programs

Master



- Chemical Engineering, MChE
- Chemical Engineering, MSChE

Doctoral

- Chemical Engineering, PhD

Graduate Certificate

- Process Engineering and Modeling Certificate

Department of Civil and Environmental Engineering

Programs

Master

- Civil Engineering, MSCE
- Environmental Engineering, MS
- Geosensing Systems Engineering and Sciences, MS

Doctoral

- Civil Engineering, PhD
- Environmental Engineering, PhD
- Geosensing Systems Engineering and Sciences, PhD

Graduate Certificate

- Global Climate, Energy, and Environment, Certificate

Department of Electrical and Computer Engineering

Programs

Master

- Computer and Systems Engineering, MS
- Electrical Engineering, MSEE

Doctoral

- Electrical Engineering, PhD

Graduate Certificate

- Power Electronics and Renewable Energy Technologies, Certificate
- Power Systems and Smart Grid, Certificate



Department of Industrial Engineering

Programs

Master

- Engineering Management, MA
- Engineering Management, MEMGMT
- Industrial Engineering, MIE
- Industrial Engineering, MSIE

Doctoral

- Industrial Engineering, PhD

Dual Degree - Graduate

- Industrial Engineering, MIE/MBA

Department of Mechanical Engineering

Programs

Master

- Aerospace Engineering, MS
- Materials Science and Engineering, MS
- Mechanical Engineering, MME
- Mechanical Engineering, MSME
- Space Architecture, MS
- Subsea Engineering, MS

Doctoral

- Materials Science and Engineering, PhD
- Mechanical Engineering, PhD

Dual Degree - Graduate

- Aerospace Engineering and Space Architecture, MS
- Mechanical and Aerospace Engineering, MS
- Mechanical and Subsea Engineering, MS

Graduate Certificate

- Advanced Subsea Engineering, Certificate
- Data Analytics and Condition and Performance Monitoring of Engineered Systems, Certificate
- Subsea Engineering, Certificate



Department of Petroleum Engineering

Programs

Master

- Petroleum Engineering, MPetE
- Petroleum Engineering, MSPetE

Doctoral

- Petroleum Engineering, PhD

Dual Degree - Graduate

- Petroleum and Subsea Engineering, MS

Graduate Certificate

- Fundamentals of Petroleum Engineering, Certificate
- Unconventional Energy Resources, Certificate

Graduate Certificate

Corrosion Control and Management, Certificate

The Cullen College of Engineering offers the graduate certificate program in Corrosion Engineering. The graduate certificate program entitled "**Corrosion Control and Management**" focuses on asset integrity management, risk management and corrosion monitoring and control.

By taking this certificate program, the students will be prepared to take positions which meet the needs of energy, environmental and other sectors. They will formulate designs and implementation strategies acceptable to all sectors of the industry where corrosion is a major issue. This program will benefit the industry professionals as well as students who want to focus more on corrosion engineering in addition to materials and metallurgy. Also, it will increase practical knowledge of students other than just theoretical aspects.

Admission Requirements

The targeted audience for this certificate include a broad range of practicing engineers in the Houston oil and gas, downstream, pipeline and water management industries as well as regular students out of their bachelor's degree in relevant engineering field. Any engineering professionals as long as they have an engineering degree, who wish to improve their knowledge and skills in corrosion engineering are eligible to apply for pursuing the certificate. No particular amount of experience is required.

BS degree in engineering or technology. Applicants with a bachelor degree in a related science field will be considered on a case-by-case basis.

Certificate Requirements



Credit Hours Required for this Certificate: 9.0

The Certificate in Corrosion Control and Management program will require students to take following three courses (9 SCH) or equivalent related courses approved by the program director.

CORR 6330 - Protective Coatings and Inhibitors **Credit Hours: 3**

CORR 6340 - Cathodic Protection **Credit Hours: 3**

CORR 6350 - Asset Integrity and Risk Management **Credit Hours: 3**

Academic Policies

University of Houston Academic Policies

Corrosion Engineering, Certificate

The Cullen College of Engineering offers the graduate certificate program in Corrosion Engineering. The certificate program entitled "**Corrosion Engineering**" primarily focuses on essential materials and corrosion, metallurgy and non-metallic materials and electro-chemistry.

By taking this certificate program, the students will be prepared to take positions which meet the needs of energy, environmental and other sectors. They will formulate designs and implementation strategies acceptable to all sectors of the industry where corrosion is a major issue. This program will benefit the industry professionals as well as students who want to focus more on corrosion engineering in addition to materials and metallurgy. Also, it will increase practical knowledge of students other than just theoretical aspects.

Admission Requirements

The targeted audience for this certificate include a broad range of practicing engineers in the Houston oil and gas, downstream, pipeline and water management industries as well as regular students out of their bachelor's degree in relevant engineering field. Any engineering professionals as long as they have an engineering degree, who wish to improve their knowledge and skills in corrosion engineering are eligible to apply to pursue the certificate. No particular amount of experience is required.

BS degree in engineering or technology. Applicants with a bachelor degree in a related field will be considered on a case-by-case basis.

Certificate Requirements

Credit Hours Required for this Certificate: 9.0

The **Certificate in Corrosion Engineering** program will require students to take the following three courses (9 SCH) or equivalent related courses approved by the program director.

CORR 6310 - Electrochemistry **Credit Hours: 3**

CORR 6320 - Metallurgy and Non-Metallic Materials **Credit Hours: 3**

CORR 6360 - Materials and Corrosion **Credit Hours: 3**

Academic Policies

University of Houston Academic Policies



Engineering Data Science, Certificate

Data science is all around us. Major examples are Google, Uber, Amazon, Walmart, Facebook, YouTube and a host of others. Virtually all aspects of contemporary life already are or soon will be affected by it: air and terrestrial transport, pattern detection and image analysis, personalized medicine, material testing, pollutant concentration and modeling, business intelligence, marketing and customer service, logistics, self-driving cars to name a few examples. Far from being a technology useful in restricted areas, data science offers tools that are impacting the entire structure of modern society.

World-wide many companies - large and small - have made major investments in data science and are hiring personnel with some degree of data science expertise at a clip. Many thousands of positions are open and many more will become available in the future. The job market is totally tilted in favor of sellers: there are not enough people with the required preparation and the few available easily change jobs to pursue a higher salary. In this exciting atmosphere, a certificate combining one of the engineering disciplines with basic data science tools and concepts is a winning springboard from which to launch an interesting and profitable career.

Admission Requirements

Who should apply?

Practicing engineers and recent Bachelor of Science in engineering graduates are qualified to apply, and so are students pursuing an MS or PhD degree at UH. The five-course curriculum combines foundational courses in data science with data-science-intensive engineering courses. Students will gain a solid, diverse base in data science and its applications to an engineering discipline. Courses are part of a graduate engineering program and are taught at the graduate level.

Student Qualifications

A four-year bachelor's degree in engineering or related field is required.

The GRE exam is waived for Engineering Data Certificate applicants.

Applicants for admission to the Certificate program must meet the same admissions standards and requirements as other applicants for graduate study.

Students already pursuing an MS or PhD degree at the University of Houston will be enrolled in the Certificate program simply upon request.

Application Materials

An online application

Application Fee (\$25.00 for domestic applicants/\$75 for international applicants)

1 official transcript should be mailed to one of the following addresses below:

Regular Mail: *University of Houston
Graduate Admissions
P.O. Box 3947
Houston, TX 77253-3947*

Express Mail: *University of Houston
Graduate Admissions
4302 University Drive,
Room 102
Houston, TX 77204-2012*



For further information on how to apply, please review the following website: [How to Apply](#)
Additional documentation for international applicants, including English language proficiency requirements, are found at: [International Applicants](#)

Degree Requirements

Credit hours required for this certificate: 15.0

The Certificate can be completed in two semesters.

In order to complete the Engineering Data Science Certificate, you will need to complete 5 graduate-level courses, 3 foundational for data science and 2 chosen, with the approval of the student's advisor, from the data-science oriented courses offered by the various departments of the College of Engineering. The three data-science foundational courses are to be chosen from the lists of Group A and Group B below, with at least one course from each group.

Group A

MATH 6382 - Probability **Credit Hours: 3** OR
MATH 6383 - Statistics **Credit Hours: 3**
MATH 6358 - Probability Models and Statistical Computing **Credit Hours: 3.0**
MATH 6380 - Programming Foundation for Data Analytics **Credit Hours: 3.0**

Group B

COSC 6335 - Data Mining **Credit Hours: 3.0**
COSC 6336 - Natural Language Processing **Credit Hours: 3.0**
COSC 6339 - Big Data Analytics **Credit Hours: 3.0**
COSC 6380 - Digital Image Processing **Credit Hours: 3.0**

Additional Courses

Additional courses deemed suitable by the Mathematics and Computer Science Departments may be added to each list once they have been approved.

A non-exhaustive list of data-science-oriented engineering courses is as follows:

BIOE 6305 - Brain Machine Interfacing **Credit Hours: 3.0**
BIOE 6309 - Neural Interfaces **Credit Hours: 3**
BIOE 6340 - Quantitative Systems Biology & Disease **Credit Hours: 3.0**
BIOE 6342 - Biomedical Signal Processing **Credit Hours: 3.0**
BIOE 6345 - Biomedical Informatics **Credit Hours: 3.0**
BIOE 6346 - Advanced Medical Imaging **Credit Hours: 3.0**
BIOE 6347 - Introduction to Optical Sensing and Biophotonics **Credit Hours: 3.0**
CHEE 6367 - Advanced Proc Control **Credit Hours: 3.0**
CIVE 6380 - Introduction to Geomatics and Geosensing **Credit Hours: 3**
CIVE 6382 - Lidar Systems and Applications **Credit Hours: 3.0**
CIVE 7336 - Finite Element Methods **Credit Hours: 3**
ECE 6326 - Power Systems Analysis **Credit Hours: 3**



ECE 6333 - Signal Detec & Est Thry **Credit Hours: 3.0**
ECE 6342 - Digital Signal Process **Credit Hours: 3.0**
ECE 6355 - Intro To Well-Logging Tech **Credit Hours: 3.0**
ECE 6376 - Digital Pattrn Recognntn **Credit Hours: 3.0**
ECE 6397 - Selected Topics **Credit Hours: 3**

Topic(s):

GPU Programming
Sparse Representations in Signal Processing
High Performance Computing
INDE 6336 - Reliability Engineering **Credit Hours: 3.0**
INDE 6363 - Statistical Process Control **Credit Hours: 3.0**
INDE 6370 - Operation Research-Digital Simulation **Credit Hours: 3.0**
INDE 6372 - Advanced Linear Optimization **Credit Hours: 3.0**
INDE 7340 - Integer Programming **Credit Hours: 3.0**
INDE 7342 - Nonlinear Optimization **Credit Hours: 3.0**
INDE 7390 - Supply Chain Management **Credit Hours: 3.0**
INDE 7397 - Selected Topics **Credit Hours: 3**

Topic(s):

Engineering Analytics
MECE 6397 - Selected Topics **Credit Hours: 3**

Topic(s):

Data Analysis Methods
PETR 6322 - Practical Aspects of Integrated Petroleum Reservoir Management **Credit Hours: 3.0**
PETR 6397 - Selected Topics **Credit Hours: 3**

Topic(s):

Big Data and Analytics for Petroleum Engineers
Application of Data Analytics to Petroleum Engineering
SUBS 6397 - Selected Topics **Credit Hours: 3**

Topic(s):

Guide to Engineering Data Science
Real-Time Data Processing

Academic Policies

Students and prospective students should contact the student advisor in College of Engineering for guidance and to choose appropriate courses.

University of Houston Academic Policies

Each student assumes responsibility for being familiar with the academic program requirements as stated in the current catalogs of the college and university and this website.

A minimum grade point average of 3.00 over all graduate courses attempted is required for the successful completion of the Certificate.

Process Safety Engineering

The graduate certificate program in Process Safety Engineering will provide the skills required for engineers to understand and implement Process and Systems Safety, Ergonomics and Human Factors techniques in process and energy related industries.



Safety is a critical element of all process industry activities from site selection to decommissioning. Design, operational and phase-out safety play a critical and increasingly important role as the industry moves to more challenging environments and becomes more technologically complex.

In today's world, industrial safety incidents account for numerous injuries and fatalities. The International Labor Organization (ILO) and World Health Organization (WHO) estimates that roughly 4% of the annual global Gross Domestic Product (GDP), or \$1.25 trillion, is lost to direct and indirect costs such as lost working time, workers compensation, the interruption of production and medical expenses. In the last 15 years there have been many changes in the field of safety, including an emphasis on process safety and the associated areas of risk assessment and hazard analysis.

Why University of Houston?

- Located in the heart of the energy capital of the world
- Continuing cooperation and history with leading oil and gas companies and professional networks
- Oil and gas industry and academic experts developed the curriculum and instruct the courses
- Proximity of local events and active professional societies and organizations

Who Should Take This Certificate?

- Broad range of practicing engineers in the manufacturing, process, oil and gas (up, mid, and downstream), and refinery industries
- Any BS degree holder in a relevant engineering field interested in enhancing safety and environmental skills

For more information, please visit the Process Safety Engineering website

Admission Requirements

Student Qualifications

- A four-year bachelor's degree in engineering or related field is required.
- The GRE exam is waived for Process Safety Engineering Certificate applicants.
- Applicants for admission to the Certificate program must meet the same admissions standards and requirements as other applicants for graduate study.
- Students already pursuing an MS or PhD degree in an engineering or related field at the University of Houston will be enrolled in the Certificate program simply upon request.
- Be a resident of the U.S.

Certificate Requirements

Graduation Requirements

In order to meet the graduation requirements for this certificate, students must earn at least a 3.00/4.00 overall GPA

Required Courses

The program will require students to take the following three courses (9 SCH) approved courses:

- CHEE 6379 - Safety and Reliability **Credit Hours: 3.0**
- INDE 6321 - System Safety Engineering **Credit Hours: 3.0**
- INDE 6337 - Human Factors Syst Dsgn **Credit Hours: 3.0**

Academic Policies



Department of Biomedical Engineering

Program Overview

The Department of Biomedical Engineering offers graduate programs leading to the following degrees:

Doctor of Philosophy in Biomedical Engineering, from Bachelor's

Doctor of Philosophy in Biomedical Engineering, from Master's

Masters of Science in Biomedical Engineering, Thesis Option

Masters of Science in Biomedical Engineering, Non-Thesis Option

We focus on three specific emerging academic and research fields:

Neural and Rehabilitation Engineering - We focus on neural implants, neurogenesis, neurochips, cognitive engineering, neural signal and image processing and modeling, and brain-computer interface from hardware to experimentation.

Biomedical Imaging - We focus on in vivo molecular and cellular imaging research with strong emphasis on the imaging of cancer biomarkers, therapy assessment, and cancer biology models etc. We also focus on clinical cardiovascular and brain imaging and develop an advanced interdisciplinary research field based on human cardiovascular and brain imaging.

Genomics, Proteomics and Bionano Engineering and Science - We focus on gene regulatory networks, genetics of systems biology, computational biology, and infectious diseases. We also focus on innovative drug discovery and design, translational research and personalized medicine, as well as the recent advances in bionano science and engineering.

Admissions

The graduate programs are open to all qualified individuals with a Bachelor of Science (B.S.) or Masters of Science (M.S.) in Biomedical Engineering or related field. For specific details on the application process and required documentation, please visit the Biomedical Engineering Graduate Admissions webpage.

Master

Biomedical Engineering, MSBE

The program's main goal is to develop leadership in academia, government, and industry nationally and globally. The importance of global scientific, social, and cultural interaction and the demands of the dynamic, ever-changing global healthcare economy have been strongly emphasized in our undergraduate and graduate programs. The research in the graduate program focuses on three main areas, neural, cognitive, and rehabilitation engineering, biomedical imaging, and bionanoscience.

The Master of Science (MSBE) Program offers a thesis and a non-thesis track. The MSBE with a thesis degree is a research-oriented degree that requires the selection of a faculty advisor. Selection of an advisor is critical to completing the degree and therefore should be done as soon as possible.



Admission Requirements

The graduate programs are open to all qualified individuals with a Bachelor of Science (BS) or Masters of Science (MS) in Biomedical Engineering or a related field.

Minimum Requirements for Application Review

Students must meet or exceed these requirements in order for their application to be reviewed:

BS Degree: Biomedical Engineering or related field

GPA: 3.00/4.00 on last 60 hours or Graduate hours if hold MS degree

Recommended GRE*: (Current scale) Q-159, V-150 (Prior scale) Q-750, V-450

*These scores reflect those of a competitive applicant but admission into our program is based on a holistic review of your application.

Course Requirements

Upon admission, students with degrees in related fields will be evaluated on a case-by-case basis and may be required to take additional leveling courses. These leveling courses do not count towards the graduate degree. Generally, every graduate student should have taken:

2 years of Calculus (through differential equations)

1 year of Engineering Physics (calculus based physics)

1 year of Biology

1 year of Chemistry

Applicant Checklist

Acceptance into the program is based on a competitive combination of academic background, GRE scores, recommendation letters, resume, and the statement of purpose. The Checklist below list all requirements for the application submission:

UH Graduate School Application

Application Fee - \$25 Domestic/\$75 International (cannot be waived)

Official Transcripts from all colleges and universities you have attended (Scanned copies of official transcripts can be uploaded as PDF files and may be used to make admission decisions. If admitted, however, you will not be able to enroll without the official transcript(s) showing undergraduate degree conferral on file.)

GRE scores (University code is 6870)

Statement of Purpose* (Upload into Application)

Resume/CV* (Upload into Application)

3 Letters of Recommendation (Submit emails within the Application and forms will be sent to Recommenders)

International applications have additional documentation requirements, including fulfilling English language proficiency requirements with either degree completion or submitted test scores. For more information, visit www.uh.edu/graduate-school/admissions/international-students/

*When preparing your Resume/CV and Personal Statement for submission, please be sure to highlight your past research, current research interests, and UH Biomedical Engineering faculty that you are interested in working with. There is no prompt or length requirement for the statement of purpose.

For more information about the Graduate School Admissions, please visit: <http://www.uh.edu/graduate-school/prospective-students/how-to-apply/index.php>

Degree Requirements

MS in Biomedical Engineering with Thesis

The program requires the completion of a **minimum of 30.0 Credit Hours**, including a thesis, of approved graduate work distributed as follows:



BIOE 6300 - Mathematical Methods in Biomedical Engineering **Credit Hours: 3.0**

BIOE 6301 - Statistical Methods in Biomedical Engineering **Credit Hours: 3.0**

BIOE 6350 - Genomic and Proteomic Engineering **Credit Hours: 3.0**

Research course credits **Credit Hours: 3.0**

Thesis course credits **Credit Hours: 6.0**

Seminar Attendance (required with excess research enrollment)

Elective courses **Credit Hours: 12.0**

The elective courses must be relevant to the student's research and approved by their advisor.

Two of the four elective courses must be taken within the BIOE department (effective Fall 2016).

Courses taken outside of the department for elective credit must be pre-approved by the department.

Formation of Thesis Committee

The Thesis Committee members are determined by the student and their Advisor.

A Thesis Committee must consist of at least three members, with

the advisor as chair,

at least one additional faculty members from the Biomedical Engineering Department, and

at least one additional University of Houston tenure-track faculty member;

In total, you need a minimum of three tenure-track faculty members from the University of Houston.

The Committee members must fill out the Committee Appointment Form with their acknowledgment that they will participate. The form must be submitted well before the proposal defense is scheduled since the committee must be approved by the Department and Dean's Office prior to the defense. A student need not be enrolled while requesting to form a committee but must be enrolled when the defense takes place.

If a Committee member is outside of the University of Houston, that member's CV must be sent to the Graduate Advisor.

Master's Thesis Committee formation Deadline:

The Committee must be formed by the ORD of the semester the student plans to defend.

MS in Biomedical Engineering without Thesis

The program requires the completion of a **minimum of 30.0 Credit Hours** of approved coursework distributed as follows:

BIOE 6300 - Mathematical Methods in Biomedical Engineering **Credit Hours: 3.0**

BIOE 6301 - Statistical Methods in Biomedical Engineering **Credit Hours: 3.0**

BIOE 6350 - Genomic and Proteomic Engineering **Credit Hours: 3.0**

Elective courses **Credit Hours: 12.0**

Four of the seven elective courses must be taken within the BIOE department (effective Fall 2016).

Courses taken outside of the department for elective credit must be pre-approved by the department.

Please consult the graduate advisor for the most updated list of approved electives.

Seminar

The Seminar course (BIOE 6111) is not a traditional lecture/lab course.

BIOE 6111 is a professional development opportunity aimed at engaging students outside of the classroom by bringing in professionals within the field as well as an opportunity for students to present their research endeavors.

Students are required to enroll in **one** Seminar course per **term** if they are enrolled in excess research hours.

BIOE 6111 is a one credit course, but the credit does not count towards the overall credit hours. For example, if a student is completing their Masters and doing a Thesis, their credit hour total is 30.0. In adding BIOE 6111, at least once a semester during their academic program, they will roughly have taken 32.0 credit hours. The additional 2.0 are from the Seminar courses and do not count towards the 30.0 credits needed to complete the degree but do count towards the overall semester credit count.



Academic Policies

University Academic Policies
Graduate Academic Policies: Cullen College of Engineering
Department/Program Academic Policies:

Transfer of Credits

A student may transfer up to 6.0 Credit Hours of graduate-level work completed elsewhere or at the University of Houston upon the approval of the Director of Graduate Studies. The student must file a general petition within one semester after admission to the graduate program to request the acceptance of the transfer credit.

Cumulative Grade Point Average (GPA)

The GPA is based on all courses attempted at the university during the graduate program. Students must maintain an overall GPA of 3.0 or better in order to remain in good academic standing for the graduate program. Students who drop below a 3.0 cumulative GPA will be placed on Academic Warning. Failure to bring up the cumulative GPA to 3.0 in the following semester may result in dismissal of the program.

Cumulative Grade Point Average (GPA) for supported students:

The cumulative GPA must be 3.0 or better at all times in order to maintain eligibility for assistantships or in-state tuition waivers when applicable.

Cumulative Grade Point Average (GPA) for scholarship students:

The cumulative GPA must be 3.0 or better at all times in order to receive the in-state tuition waiver. If you do not meet this requirement, you will lose the scholarship and no longer be eligible for in-state tuition. If you drop below the 3.0 GPA in the first semester, you may not receive the 2nd installment of the scholarship.

BIOE Graduate Policies

BIOE 6111 - Seminar is required every semester for Master's students taking extra research hours, unless the student has received an exception from their PI, due to interference with their confirmed graduation date.

Math Methods (BIOE 6300) is the first required BIOE math course, and Stats Methods for BME is the required BIOE statistics course.

Stats is generally offered in the fall, and Math Methods will be offered in the spring.

Once you enroll in research and thesis, respectively, you have to remain continuously enrolled in research and dissertation.

All first-semester BIOE students may only take BIOE courses.

Doctoral

Biomedical Engineering, PhD

In addition to continued study of a broad range of engineering fundamentals, candidates for the doctoral degree enjoy intensive exposure to a specific field of engineering research. Individual research is the major focal point for these students, who are expected to expand the frontiers of knowledge in their area of endeavor. Moreover, candidates learn and experience the general philosophy, methods, and concepts of research and scholarly inquiry, so that they may contribute after graduation to substantive issues completely unrelated to their doctoral research.



Please visit the Biomedical Engineering website for more information.

Admission Requirements

The graduate programs are open to all qualified individuals with a Bachelor of Science (B.S.) or Masters of Science (M.S.) in Biomedical Engineering or related field. Selection of an advisor is critical to completing the degree and therefore should be done as soon as possible. If a student is admitted to the Ph.D. program without an advisor, an advisor will not be assigned to them.

Students must meet or exceed these requirements in order for their application to be reviewed.

B.S. Degree: Biomedical Engineering or related field
GPA: 3.00/4.00 on last 60 hours or Graduate hours if hold MS degree
Recommended GRE*: (Current scale) Q-159, V-150 (Prior scale) Q-750, V-450
(International Applicants) TOEFL: PBT- 580, CBT- 236, IBT- 92
(International Applicants) IELTS: 7.0
(International Applicants) DuoLingo: 105

**These scores reflect those of a competitive applicant but admission into our program is based on a holistic review of your application.*

Course Requirements

Upon admission, students with degrees in related fields will be evaluated on a case-by-case basis and may be required to take additional leveling courses. These leveling courses do not count towards the graduate degree. Generally, every graduate student should have taken:

2 years of Calculus (through differential equations)
1 year of Engineering Physics (calculus based physics)
1 year of Biology
1 year of Chemistry

Acceptance into the program is based on a competitive combination of academic background, GRE scores, recommendation letters, resume, and the statement of purpose. The Checklists below list all requirements for the Application Submission:

Applicant Checklist

UH Graduate School Application
Application Fee
Official Transcripts from all colleges and universities you have attended (Scanned copies of official transcripts can be uploaded as PDF files and may be used to make admission decisions. If admitted, however, you will not be able to enroll without the official transcript(s) showing undergraduate degree conferral on file.)
GRE scores (University code is 6870)
Statement of Purpose (Upload into Application)
Resume/CV (Upload into Application)
3 Letters of Recommendation (Submit emails within the Application and forms will be sent to Recommenders)
International applications have additional documentation requirements, including fulfilling English language proficiency requirements with either degree completion or submitted test scores. For more information, visit the International Graduate Students website.

Note: When preparing your Resume/CV and Personal Statement for submission, please be sure to highlight your past research, current research interests, and UH Biomedical Engineering faculty that you are interested in working with. There is no prompt or length requirement for the statement of purpose.

For more information about the Graduate School Admissions, please visit How to Apply to the UH Graduate School.

Doctor of Philosophy in Biomedical Engineering (with prior M.S. Degree)



Credit hours required for this degree: 54.0

The program requires a minimum of 54 credit hours of approved graduate work distributed as follows:

One (1) math course (beyond M.S. level): BIOE 6300 - Mathematical Methods in Biomedical Engineering **Credit Hours: 3.0**

One (1) core course: BIOE 6350 - Genomic and Proteomic Engineering **Credit Hours: 3.0**

Six (2) elective courses

Eighteen (30) research credits

Twelve (12) dissertation credits

BIOE 6111 - Graduate Bioengineering Seminar **Credit Hours: 1.0** (required with research enrollment)

The elective courses must be relevant to the student's research and approved by their advisor.

Five of the eight elective courses must be taken within the BIOE department (effective Fall 2016). Courses taken outside of the department for elective credit must have previously been approved by the department.

Doctor of Philosophy in Biomedical Engineering (directly from Undergraduate)

Credit hours required for this degree: 72.0

The program requires a minimum of 72 credit hours of approved graduate work distributed as follows:

Two (2) math courses: BIOE 6300 - Mathematical Methods in Biomedical Engineering **Credit Hours: 3.0** and approved MATH elective

One (1) statistics course: BIOE 6301 - Statistical Methods in Biomedical Engineering **Credit Hours: 3.0**

One (1) core course: BIOE 6350 - Genomic and Proteomic Engineering **Credit Hours: 3.0**

Four (4) elective courses

Thirty six (36) research credits

Twelve (12) dissertation credits

BIOE 6111 - Graduate Bioengineering Seminar **Credit Hours: 1.0**

The elective courses must be relevant to the student's research and approved by their advisor.

One of the four elective courses must be taken within the BIOE department (effective Fall 2020). Courses taken outside of the department for elective credit must have previously been approved by the department.

Degree Requirements

Seminar:

The Seminar Course (BIOE 6111) is not a traditional lecture/lab course.

BIOE 6111 is a professional development opportunity aimed at engaging students outside of the classroom by bringing in professionals within the field as well as an opportunity for students to present their research endeavors.

Students are required to enroll in **ONE** Seminar course per **TERM** as they are enrolled in research hours.

BIOE 6111 is a one credit course, but the credit does not count towards the overall credit hours. For example, if a student is completing their Masters and doing a Thesis, their credit hour total is 30. In adding BIOE 6111, at least once a term during their academic program, they will roughly have taken 32 credit hours. The additional 2 are from the Seminar courses and do not count towards the 30 credits needed to complete the degree but do count towards the overall semester credit count.

Adding this One Credit Course to the Term Course Schedule can cause the student to enroll in 10 credits instead of the traditional 9. In this case, students can reduce their research credits by 1, so the total credit hours equal 9 or simply take an extra credit.

Qualifying Exam:

Eligibility



Doctoral students are eligible to sit for the Qualifying Exam after the second term of graduate studies. Doctoral students **MUST** complete the Qualifying Exam by the end of their fourth term, but traditionally complete it by the end of their third term.

Students must confirm with the Graduate Advisor that they plan to complete their Qualifying Exam in a given term.

Components of Exam

The Qualifying Exam is administered orally and students must submit two abstracts (1) current research and (2) future research, one week prior to the exam.

Notes, PowerPoint slides or electronic displays are **prohibited**.

Committee

The Graduate Advisor will create the Qualifying Exam committee based on faculty availability and the student's schedule.

The committee will consist of at least four (4) members: candidate's Research Advisor, Department Chair, and two (2) additional faculty members from the department. Additional faculty should represent the candidate's research focus area and are primarily responsible for the examination of the candidate.

The Research Advisor may ask questions but is expected to fulfill the advocate role for the candidate as he/she prepares for the examination. The Chair's primary function is to ensure that there is consistency across all candidate qualifying examinations.

Overview

Qualifying Exam Committees are coordinated by the Graduate Advisor. Students will be notified of the date and time of their Exam via email.

Examinations are expected to span about 1 hour but may vary between 1 to 1.5 hours.

The oral component will start with a general overview provided by the candidate on their research thrust area and prospective research project.

Committee members will be given hard copies of the two abstracts (supplied by the Doctoral student).

The Exam Committee will then ask questions and engage in discussions with the student for the remainder of the session. The following is the goal and scope of the oral exam:

- Determine student's depth of understanding of the Biomedical Engineering graduate core.

- Assess student's capacity to think critically and apply engineering tools to solve problems.

- Assess student's capacity to integrate skills in an area of research in biology and/or biomedical engineering.

- A successful student will be knowledgeable, able to think critically, and demonstrate the ability to integrate and/or apply course information to topics pertinent to their research area.

Immediately following the oral examination session, the Exam Committee will meet in a closed session to discuss the student's performance and determine the results of the exam. The following results are possible.

Pass: the candidate may continue in the PhD program, complete course work, and prepare to defend a prospectus.

Fail: the candidate will be removed from the PhD program. A contingent plan may be developed to enter the Masters program, either thesis or non-thesis. The candidate may petition to retake the qualifying exam during which time he/she may be retained in the PhD program until the petition is resolved. If the petition is not accepted, he/she will be removed from the PhD program. If the petition is accepted, a continuation in the PhD program will be contingent upon results of a re-examination.

The **Qualifying Exam Score Sheet** will be filled out and turned into the Graduate Advisor, so the results can be put into the students file.

Formation of Dissertation Committee:

The Dissertation Committee members are determined by the student and their Advisor.

A Dissertation Committee must consist of at least five members, with

- the advisor as chair,

- at least two additional faculty members from the Biomedical Engineering Department, and

- at least one additional University of Houston tenure-track faculty;

In total, you need a minimum of **four** tenure-track faculty members from the University of Houston. The fifth committee member may be from UH, or from an external institution.

The Committee members must fill out the **Committee Appointment Form** with their acknowledgement that they will participate. The form must be submitted well before the proposal defense is scheduled since the committee must be approved by the Department



and Dean's Office prior to the defense. A student need not be enrolled while requesting to form a committee but must be enrolled when the defense takes place.

If a Committee member is outside of the University of Houston, that member's CV must be sent to the Graduate Advisor.

Doctoral Dissertation Committee formation Deadline:

The Committee must be formed at least two weeks prior to the Prospectus.

Prospectus:

Doctoral students must complete their Prospectus at least one term before Graduation.

Components

A rough draft of a research proposal should be shown to the student's research advisor for approval of content prior to scheduling the oral presentation.

The oral presentation of the dissertation prospectus is made to the student's Dissertation committee. Other interested members of the faculty are invited to attend the presentation but are encouraged to leave prior to the questioning by the dissertation committee.

Overview

The student's presentation should take advantage of appropriate audio and visual aids and should be limited to no more than 50 minutes.

Copies of the written dissertation prospectus must be distributed to all members of the student's dissertation committee no later than one week prior to the oral presentation. In the oral examination, the student is expected to defend their prospectus and justify that the proposed research is of the acceptable quality and magnitude consistent with quality doctoral education.

Following the oral presentation of the research proposition, questions are welcomed from members of the departmental faculty. Following general questions, departmental faculty members other than those on the student's dissertation committee are excused and the student's dissertation committee and interested faculty from the student's major will remain to ask questions of the candidate regarding his proposed research. Generally, the oral discussion of the dissertation prospectus is limited to three hours.

After questioning, the candidate is excused from the room while the dissertation committee conducts its deliberations.

Committee

The Prospectus Committee is comprised of the Dissertation Committee members that were listed on the approved Committee form.

The decision regarding whether or not the dissertation prospectus is acceptable is the decision of the dissertation committee alone.

The student's dissertation committee conveys its evaluation of the acceptability of the dissertation prospectus to the chair of the departmental graduate committee by signing the **Prospectus Approval Form**.

If the student's dissertation prospectus is considered acceptable, the chair of the departmental graduate committee will recommend to the Graduate College that the student be advanced to PhD candidacy status.

If the student's dissertation prospectus is unacceptable, the chair of the dissertation committee formulates recommendations for future action and submits them to the chair of the departmental graduate committee and the chair of the department. Either of two recommendations is possible:

A re-examination may be scheduled and the entire process repeated, or

The student may be removed from the doctoral program. The results of the dissertation prospectus presentation are conveyed to the student by the chair of the departmental graduate committee.

Dissertation Defense:

The student will coordinate their Defense date with their committee and Advisor.

If a room needs to be reserved, the student can contact the Graduate Advisor.

Results should be reported to the Graduate Advisor, either via email or in person.

Dissertation/ Thesis Defense Deadline:



The Graduate School and Cullen College of Engineering has set a deadline for defending. All students must defend by the given date or they will not be able to graduate that term. The deadline changes each term; the Academic Calendar will note the date.

For example, in Fall 2014, all students planning to defend, had to have their defense completed by Friday, December 05.

All information necessary for submission can be found on the Guide for Preparation of Theses/Dissertations page.

Academic Policies

University of Houston Academic Policies

Graduate Academic Policies: Cullen College of Engineering

Department Academic Policies: BIO Graduate Handbook

BIOE Graduate Policies

CORE Coursework must be completed before your Qualifying Exams - this includes:

BIOE 6300 - Math Methods in BME

BIOE 6301 - Stats Methods in BME

BIOE 6350 - Genomic and Proteomic Engineering

The Qualifying Exam **must** be completed at the end of the 3rd term, unless an exception has been approved by the Department Chair and Graduate Director.

BIOE 6111 - Seminar is required every term for all PhD students enrolled in research hours, unless the student has received an exception from their PI, due to interference with their confirmed graduation date.

Math Methods (BIOE 6300) is the first required BIOE math course, and Stats Methods for BME (BIOE 6301) is the required BIOE statistics course. Stats is generally offered in the fall, and Math Methods will be offered in the spring.

Once you enroll in research and dissertation, respectively, **you have to remain continuously enrolled in research and dissertation.**

All first term BIOE students may only take BIOE courses.

Students who started in and after Fall 2016: Only 25% of your courses may be taken outside of the department. If the course has not previously been approved by the department as an elective, a petition for the course must be submitted and approved prior to the start of the term of intended enrollment. The petition must be approved by your PI and should include an explanation of why the course is relevant to your research. Petitions can be turned in to the Graduate Advisor.

Students who started prior to Fall 2016: Please check with the Graduate Advisor regarding elective courses outside of the department. If the course has not previously been approved by the department as an elective, a petition for the course must be submitted and approved prior to the start of the term of intended enrollment. The petition must be approved by your PI and should include an explanation of why the course is relevant to your research. Petitions can be turned in to the Graduate Advisor.

Transfer of Credits

A student may transfer up to 6 hours of graduate-level work completed elsewhere or at the University of Houston upon the approval of the Director of Graduate Studies. The student will need to file a general petition within one term after admission to graduate program.

Cumulative Grade Point Average (GPA)



This average is on all courses attempted at the university during the graduate program. Students must maintain an overall GPA of 3.0 or better in order to remain in good academic standing for the graduate program. Students who drop below a 3.0 cumulative GPA will be placed on Academic Warning. Failure to bring up the cumulative GPA to 3.0 in the following term may result in dismissal of the program.

Cumulative Grade Point Average (GPA) for supported students:

The cumulative GPA must be 3.0 or better at all times in order to maintain eligibility for assistantships or in-state tuition waivers when applicable.

Cumulative Grade Point Average (GPA) for scholarship students:

The cumulative GPA must be 3.0 or better at all times in order to receive the in-state tuition waiver. If you do not meet this requirement, you will lose the scholarship and no longer be eligible for in-state tuition. If you drop below the 3.0 GPA in the first term, you may not receive the 2nd installment of the scholarship.

William A. Brookshire Department of Chemical and Biomolecular Engineering

The William A. Brookshire Department of Chemical and Biomolecular Engineering has research programs in four core areas: materials science and engineering (including polymeric and electronic), biomolecular engineering, energy engineering, and reaction and systems engineering. Specific research areas include biochemical engineering, chemical reaction engineering, chemical vapor deposition, catalysis, colloid science, combinatorial chemistry, applied molecular biology, process control, interfacial phenomena, numerical simulation, molecular recognition, rheology, fluid flow and phase behavior in porous media, polymer and macromolecular solutions, processing of electronic materials, thin-films materials fuel cells, two-phase flow, solid-fluid separation, reliability theory, super-conductivity, thermochemical energy storage, and petroleum production engineering.

The department occupies more than 50,000 square feet in the two modern buildings that house the Cullen College of Engineering. All full-time graduate students are provided office and laboratory space to carry out their studies and research. Excellent facilities and equipment are available in the aforementioned research program areas. Typical equipment includes scanning electron microscopes, an X-ray diffractometer, pulsed excimer-pumped dye laser, quasi-elastic laser light scattering spectroscopy unit, atomic force microscopes, ellipsometers, and confocal microscopes systems. In addition, the department has laser anemometers, rheometus, gas chromatograph/mass spectrometer system, ultraviolet spectrometers, microscope-video recorder and microscope-move camera systems, and automatic image analyzers. New facilities include systems for infrared thermal imaging, plasma processing and etching, semiconductor processing equipment, high-pressure centrifuge for porous medium analysis, X-ray scattering equipment, advance rheometer, TGA/DSC, Fourier transform infrared spectrometers, parallel array diagnostic equipment, polymer chain reactor devices, cell culture facilities and fluorimeters. The faculty and students in the department participate in the Texas Diesel Testing and Research Center and the National Wind Energy Center.

Please select for more information about the Chemical and Biomolecular Engineering Program degrees offered.

Materials Science and Engineering Program

The Materials Science and Engineering Program at the University of Houston is an interdisciplinary program with faculty from Mechanical, Chemical and Electrical Engineering Departments. In addition, significant collaboration occurs with the materials faculty in the College of Natural Sciences and Mathematics. The principal objectives of the materials engineering program may be summarized as follows: to study the mechanical, optical, electrical and electronic behavior of engineering and engineered materials used in all engineering applications. The specific areas covered by this program range from metallic alloys, polymers, ceramics and composites for advanced mechanical/aerospace engineering applications to thin films and coatings for electronics and superconducting ceramics for energy-related applications.

Please select for more information about the Materials Science and Engineering Program degrees offered.



Master

Chemical Engineering, MChE

Cullen College of Engineering > William A. Brookshire Department of Chemical and Biomolecular Engineering > Chemical Engineering, MChE

The Master of Chemical Engineering (MChE) degree is offered as a non-thesis program for the working professional. The program has been designed for those persons who plan careers in plant operations, design and management. It is not intended to be competitive with the Master of Science degree, which is specifically consist of research based courses.

The goal of this program is not only to permit earlier productive use of the young engineer's technical skills, but also to introduce the engineer to the broad concepts of systems, analysis, advanced process economics, and technical management.

The program is aimed at improving opportunities for chemical engineers in the chemical process industry and related industries.

Please visit the Master of Chemical Engineering Degree program page.

Admission Requirements

Professionals working in the chemical process industry with BS in chemical engineering.

Minimum undergraduate grade-point average (GPA) of 3.00 (based on 4.00)

Typically total GRE score over 300 (Verbal + Quantitative).

Professionals working in the industry or related industries with degrees other than but related to chemical engineering (such as mechanical engineering or chemistry) are encouraged to apply. If admitted to the MChE program, such students are required to take a number of undergraduate chemical engineering courses that will prepare them to take the graduate-level MChE courses.

Preparatory courses are composed by the MChE Director on an individual basis, depending on the student's background. A typical list of preparatory courses can be found on the department website.

Acceptance into the program is based on a competitive combination of academic background, GRE scores, recommendation letters, resume, and the statement of purpose. The Checklists below list all requirements for the Application Submission:

Applicant Checklist

UH Graduate School Application

Scanned copies of official transcript will be used for the application evaluation (upload). However IF admitted Official Transcript with the date your degree was Conferred/Awarded must be submitted to the Graduate School before enrollment can take place.

GRE scores (University code is 6870)

Statement of Purpose (uploaded- if possible no longer than 2 pages)

Resume (uploaded)

3 Letters of Recommendation (emails must be listed on the online application)

Application Fee (cannot be waived)

Degree Requirements

Credit hours required for this degree: 30.0

Program Study for the Master of Chemical Engineering (MChE):



The program requires the completion of 30 credit hours of approved graduate work. Which consist of five core courses and five elective courses.

GRADUATE CORE COURSES (15 Credit hrs.)

CHEE 6368 - Chemical Process Economics I **Credit Hours: 3.0**

CHEE 6369 - Chemical Process Economics II **Credit Hours: 3.0**

CHEE 6383 - Adv Unit Operations **Credit Hours: 3.0**

CHEE 6367 - Advanced Proc Control **Credit Hours: 3.0 ***

INDE 6372 - Advanced Linear Optimization **Credit Hours: 3.0**

*Offered every two years

GRADUATE ELECTIVE COURSES (15 Credit hrs.)

The five elective courses may be chosen based on student's interest from the department or any of the engineering departments in the College of Engineering. Also some graduate Business courses can be taken as electives. However prior to enrolling you are required to receive approval from the Advisor/Program Director.

Academic Policies

Graduate Academic Policies: Cullen College of Engineering

University of Houston Academic Policies

Chemical Engineering, MSChE

The MSChE degree is obtained through coursework only. This program focuses on advanced engineering fundamentals. Students with a BS degree in Chemical Engineering or related field obtain a course-based MSChE degree.

Recipients of the MSChE are broadly qualified for continued studies towards PhD or a job industry.

For more information, please visit the William A. Brookshire Department of Chemical and Biomolecular Engineering MS and PhD Programs page.

Admission Requirements

Students with BS in chemical engineering.

Minimum undergraduate grade-point average (GPA) of 3.0 (based on 4.0); accepted students typically are in the top 10% of class (3.35 or better based on 4.0)

Accepted students typically have total GRE score 300 or better (Quantitative of 155 or better).

Be advised that meeting these criteria does not guarantee admission.

Acceptance into the program is based on a competitive combination of academic background, GRE scores, recommendation letters, resume, and the statement of purpose. The Checklists below list all requirements for the Application Submission:

Applicant Checklist

UH Graduate School Application

Scanned copies of official transcript will be used for the application evaluation (upload). However IF admitted Official Transcript with the date your degree was Conferred/Awarded must be submitted to the Graduate School before enrollment can take place.



GRE scores (University code is 6870)
Statement of Purpose (uploaded- if possible no longer than 2 pages)
Resume (uploaded)
3 Letters of Recommendation (emails must be listed on the online application)
Application Fee [\$25 domestic applicants/\$75 international applicants] (cannot be waived)
International applications have additional documentation and English language proficiency requirements. Please visit the English Language Proficiency Requirements page for more information.

Degree Requirements

Credit hours required for this degree: 30.0

Program Study for the Master of Science in Chemical Engineering (MS):

The program requires the completion of 30 credit hours of approved graduate work. Which consist of four core courses and six elective courses.

GRADUATE CORE COURSES (12 Credit hrs.)

CHEE 6333 - Transport Processes **Credit Hours: 3.0**
CHEE 6335 - Classicl-Statist Thermo **Credit Hours: 3.0**
CHEE 6337 - Advanced Reactor Engr **Credit Hours: 3.0 (in lieu of CHEE 6360) OR**
CHEE 6360 - Biomolecular Engr Fundamentals **Credit Hours: 3.0 (in lieu of CHEE 6337)**

GRADUATE ELECTIVE COURSES (18 Credit hrs.)

The six graduate-level elective courses may be chosen from the department offerings. **ONLY** two elective graduate-level courses (6 credit hours) from other departments may be substituted for chemical electives. It is possible to cross-enroll to Rice or Baylor College of Medicine in some cases. Basic computer science (COSC) classes, as well as the finance and accounting courses offered in the MChE program (e.g. CHEE 6368, CHEE 6369 and CHEE 6383); need the Graduate Director approval before enrolling as electives.

Academic Policies

Graduate Academic Policies: Cullen College of Engineering

University of Houston Academic Policies

Doctoral

Chemical Engineering, PhD

The mission of the PhD program is to train graduate students and contribute to the development of fundamental knowledge in the field of chemical engineering. The department's diverse research is at the forefront of traditional and emerging chemical engineering disciplines including biomolecular engineering, nano-materials, environmental reaction engineering, energy, control theory, polymers, transport, catalysis, separation processes and plasma processing science and applications. The department offers courses in the core disciplines of chemical engineering, as well as a broad range of electives on current and developing topics. Students' education is broadened by a series of seminars by internationally known speakers from academia and industry. Many of our students also participate in internships during their PhD tenure.



For more information, please visit the William A. Brookshire Department of Chemical and Biomolecular Engineering MS and PhD Programs page.

Admission Requirements

Students with BS can apply directly to the PhD program.

Minimum undergraduate grade-point average (GPA) of 3.0 (based on 4.0); accepted students typically are in the top 10% of class (3.35 or better based on 4.0)

Accepted students typically have total GRE score 300 or better (Quantitative of 155 or better).

Must meet English language proficiency requirement (US degree, TOEFL, etc). Full details are on the English Language Proficiency Requirements page.

Be advised that meeting these criteria does not guarantee admission.

Acceptance into the program is based on a competitive combination of academic background, GRE scores, recommendation letters, resume, and the statement of purpose. Full details on the application process are found on the How to Apply to UH Graduate School page. The Checklists below list all requirements for the Application Submission:

Applicant Checklist

UH Graduate School Application

Scanned copies of official transcript will be used for the application evaluation (upload). However IF admitted Official Transcript with the date your degree was Conferred/Awarded must be submitted to the Graduate School before enrollment can take place.

GRE scores (University code is 6870)

Statement of Purpose (uploaded- if possible no longer than 2 pages)

Resume (uploaded)

3 Letters of Recommendation (emails must be listed on the online application)

Application Fee [\$25 domestic applicants/\$75 international applicants] (cannot be waived)

International applications have additional documentation and English language proficiency requirements. Please visit the Graduate International Students page for more information.

Degree Requirements

Credit hours required for this degree: 72.0

Program Study for the Doctor of Philosophy in Chemical Engineering (PhD):

The program requires the completion of 30 credit hours of approved graduate coursework. Which consist of Four Core, Two Semi Core and Four Elective courses. Also students required to have 12 Dissertation hours and 30 Research hours.

CORE COURSES (12 Credit hrs.)

CHEE 6331 - Math Mtds in Chem Engr **Credit Hours: 3.0**

CHEE 6333 - Transport Processes **Credit Hours: 3.0**

CHEE 6335 - Classicl-Statist Thermo **Credit Hours: 3.0**

CHEE 6337 - Advanced Reactor Engr **Credit Hours: 3.0 (in lieu of CHEE 6360) OR**

CHEE 6360 - Biomolecular Engr Fundamentals **Credit Hours: 3.0 (in lieu of CHEE 6337)**

GRADUATE ELECTIVE COURSES (18 Credit hrs.)



The remaining six (elective) courses, at least two must be Chemical Engineering graduate courses. Graduate-level courses from other departments may be approved on a case-by-case basis. It is possible to enroll in Rice graduate courses in some cases.

NOTE: All students are **REQUIRED** to attend the Department Seminars, enrolled or not.

Academic Policies

University of Houston Academic Policies

Graduate Academic Policies: Cullen College of Engineering

Graduate Certificate

Process Engineering and Modeling Certificate

This University of Houston certificate program was created out of necessity for industry and has widespread applications for engineers through the chemical engineering field.

Process design and chemical companies are seeking advanced/professional training for their employees to sustain the knowledge necessary to compete with the increasing demands of complex engineering and management. The ongoing development of technology and critical demand of products and services can create challenges for the safety and efficient operation of any chemical company.

The Graduate Executive Certificate in Chemical Engineering offers practicing engineers the opportunity to review current industry best practices, discuss challenges and solutions relating to safe and effective plant design and operation, and also to study management techniques that are optimized for the chemical industry.

Admission Requirements

All applicants must have a minimum of two (2) years of chemical industry experience. The applicants will have a minimum of a BS degree in Engineering. Applicants with non-engineering bachelor's degrees will be evaluated by the program on a case-by-case basis. This is a non-degree option; therefore, the GRE is not required.

Note: This program is not intended for F-1 Visa Holders.

Students must have a cumulative GPA of 3.0 or better to receive the certificate. Successful completion of a certificate does not guarantee admission into a Master's degree program.

Requirements

The certificate will consist of three courses, and all three will be required for the certificate in Process Engineering and Modeling:

Process Design and Modeling

Defining and converting concepts to engineering design

Design practices industry

Process simulation and design

Issues with real equipment

Value engineering and optimization of new plants

Design reviews



Process Economics and Project Management

- Basic economics of chemical processes and products

- Development of decision-making methods using oil/chemical industry examples

- Project management concepts and practices for chemical engineers

Advanced Unit Operations (currently taught as CHEE 6383).

- Property prediction of multicomponent fluids

- Advanced principals of heat exchanger design

- Multicomponent fractionation

- Absorption, stripping and extraction

More information about this certificate can be found at the William A. Brookshire Department of Chemical and Biomolecular Engineering web site: <http://www.che.uh.edu/certificates>.

Department of Civil and Environmental Engineering

The Department of Civil Engineering offers graduate study in environmental, geosensing systems, geotechnical, materials, hydraulic/water resources, and structural engineering. The department has well-equipped research laboratories fitted with state-of-the-art instruments. The structural laboratory has more than 2,500 square feet of strong floor with a 2.5-million-pound MTS testing system, a large panel tester with forty 100-ton jacks, a biaxial fatigue tester and a walk-in chamber for large scale environmental testing. The materials testing laboratory is equipped with a 2-foot-deep strong floor and a 400-kip Tinius-Olsen universal testing machine. The geotechnical facility includes a laboratory with triaxial testing capability, sophisticated pile test chambers and fully equipped grouting and soil mechanics laboratories. The hydraulic facility is equipped with a fluid mechanics/wave mechanics laboratory with a 50-ft long tilting flume and state-of-the-art ADV and LSPIV. The environmental laboratories encompass a 2,000 square foot analytical research facility with state-of-the-art instrumentation that allows for analysis of most contaminants in soil, water and air as well as microbial and molecular analysis. The geosensing laboratory includes an optical laboratory and specialized airborne and terrestrial-based remote sensing equipment.

Master

Civil Engineering, MSCE

Cullen College of Engineering > Department of Civil and Environmental Engineering > Civil Engineering, MSCE

The Department of Civil Engineering offers graduate study in environmental, geosensing systems, geotechnical, materials, hydraulic/water resources, and structural engineering. The department has well equipped research laboratories fitted with state-of-the-art instruments. The structural laboratory has more than 2,500 square feet of strong floor with a 2.5-million-pound MTS testing system, a large panel tester with forty 100-ton jacks, a biaxial fatigue tester and a walk-in chamber for large scale environmental testing. The materials testing laboratory is equipped with a 2-foot-deep strong floor and a 400-kip Tinius-Olsen universal testing machine. The geotechnical facility includes a laboratory with triaxial testing capability, sophisticated pile test chambers and fully equipped grouting and soil mechanics laboratories. The hydraulic facility is equipped with a fluid mechanics/wave mechanics laboratory with a 50-ft long tilting flume and state-of-the-art ADV and LSPIV. The environmental laboratories encompass a 2,000 square foot analytical research facility with state-of-the-art instrumentation that allows for analysis of most contaminants in soil, water and air as well as microbial and molecular analysis. The geosensing laboratory includes an optical laboratory and specialized airborne and terrestrial based remote sensing equipment.

For more information, please visit the Department of Civil & Environmental Engineering website.

Admission Requirements

A complete admissions application, including official transcripts from all colleges attended and official test scores.



A B.S.C.E. degree, or the equivalent, from an ABET accredited (or similar) program. Students with degrees in fields related to Civil Engineering may be admitted with certain prerequisite courses specified.

A grade point average (GPA) of at least 3.0/4.0 (B-Average grade) on the last 60 hours attempted.

Satisfactory scores on the Quantitative and Verbal tests of the Graduate Record Examination (GRE).

Fulfillment of the English Language Proficiency requirements. For details, visit the Graduate School/International students web page.

Conditional admission may be granted to domestic applicants if the applicant meets a minimum GPA of 2.7 and an acceptable GRE score. Students who are admitted conditionally must achieve a B-average (3.0 GPA) or better in their first four graduate courses (or 12 hours).

For more on the application process, please visit the Civil Engineering Program - Admission Requirements page.

Degree Requirements

Credit hours required for this degree: non-thesis - 31.0; thesis - 31.0 (includes 9 thesis hours)

Course Requirements

Non thesis students are required to take 31 credit hours of organized courses, 10 courses (3 hours each) plus a 1 hour seminar. The information presented in all but items 3 and 6 below apply to the non thesis degree.

The thesis program requires 21 semester credit hours of courses plus a thesis as follows:

1. Civil Engineering Courses

15 to 21 credit hours of Civil Engineering courses at the 5000 level or above. No more than 3 credit hours may be 5000 level, and must include a sequence of at least 12 credit hours in the student's major area of interest of 6000 level courses or above.

2. Approved Courses Outside Civil Engineering

At most, 6 credit hours of graduate courses in approved related fields outside Civil Engineering may be counted toward the degree.

3. Nine Credit Hours of Thesis

Registration in:

CIVE 6398 - Msce Research Project **Credit Hours: 3.0** and

CIVE 6399 - Master's Thesis **Credit Hours: 3** in one term is followed by registration in

CIVE 7399 - Master's Thesis **Credit Hours: 3**

in subsequent terms and is repeated continuously until the thesis is completed. Other research courses (CIVE 6198 through 6598) may be required. Registration in thesis should be continuous and uninterrupted.

4. Course Approval

The courses must be in accordance with a degree plan approved by the student's Advisor and the Director of Graduate Studies.

5. Transfer Credit

No more than 6 hours of graduate credit may be transferred from another institution.



6. Graduate Seminar

The student is required to take:

CIVE 6111 - Graduate Seminar **Credit Hours: 1.0** during his/her registration in the thesis or research courses. This is in addition to the 21 hours of courses and 9 hours of thesis and research course requirements described above. Full-time, supported students must enroll in CIVE 6111 every term unless permission is granted by the department chairman and the Advisor for an exception.

7. Grade Requirement

No course in which a grade less than C is received will count within the degree program.

8. Technology Courses

Technology courses will not be counted within the degree program.

9. Course Attempts

A course cannot be attempted more than three times; a grade of "W" is considered an attempt.

Thesis Requirements

A student performs research under the direction of an advisor during the period of study at UH. During the term the student is ready to graduate the following requirements must be met.

The Advisor, after consulting with the student, will request the appointment of the thesis committee through the Director of Graduate Studies. This request should be submitted no later than the start of the term in which the student is enrolled in CIVE 6399. The committee shall consist of at least two Civil and Environmental Engineering faculty members from the student's major area (including the Advisor), and at least one University of Houston faculty member from outside the Civil and Environmental Engineering Department.

At the completion of the research, the student must defend the final, written thesis in a public meeting before the committee. This meeting should be publicized in advance by a memorandum distributed to the Civil and Environmental Engineering faculty indicating the title and abstract of the thesis, and the date, time, and place of the meeting. The student must get the written approval of the committee that the thesis is acceptable in final form for submission to the College Dean's Office and to the Library.

Academic Policies

University of Houston Academic Policies
College Academic Policies
Department Academic Policies

Advising and Planning

Close to the end of the first term, the student in consultation with the Director of Graduate Studies, shall choose an Advisor. The advisor shall counsel the student for the remainder of his/her study program and supervise the thesis. By agreement of all concerned, the initial relationship may be dissolved and a new one established, but the student must have an Advisor at all times after the first term.



Prior to completion of the first term, the student and the advisor will submit to the Director of Graduate Studies the student's Preliminary Degree Plan. The degree plan will list the specific courses, which must be completed to obtain the M.S.C.E. degree. Changes in this plan, if required, will be approved in writing by the advisor and the Director of Graduate Studies. Only those studies undertaken in accordance with this approved degree plan shall be credited towards the M.S.C.E. degree.

No later than the first week of the last term of registration, the student and the advisor must submit the final degree plan to the Director of Graduate Studies. The student must also apply for graduation to the University's Office of Graduation in accordance with university requirements.

Depending on the type of support, full-time students must enroll in 12 or 10 hours per long term, including CIVE 6111, and 9 or 6 hours per 12-week summer session. A student must complete his/her M.S.C.E. program within 5 years from the date of first enrollment.

Environmental Engineering, MS

The Environmental Engineering Program of the University of Houston is an interdisciplinary graduate engineering program within the Cullen College of Engineering, administratively housed in the Department of Civil and Environmental Engineering. The Program and its faculty are internationally known for their research and teaching in water, wastewater, microbiology, bioremediation, soil and hazardous waste treatment and modeling, and airborne particulates.

The Environmental Engineering program offers the degrees of Master of Science (M.S.), with thesis and non-thesis options.

Courses are scheduled to accommodate both part-time and full-time students; 24-30 hours of required course work can usually be completed in one calendar year of full-time or three years of part-time study. Full time thesis students generally can complete the masters of science degree in 2 years of consecutive study.

Admission Requirements

Admission requirements are the same for both the thesis and non-thesis options:

A B.S. degree in engineering or in a science related to engineering from an accredited college or university or the foreign equivalent of an accredited American B.S. or M.S. degree in engineering. Non-engineers with degrees in related fields may be considered for admission after certain prerequisite courses are completed. A list of pre-requisites and leveling courses can be found on the Information for Non-engineers page. Applicants with non-science bachelor's degrees in fields such as technology, management, business, and the arts must obtain an accredited engineering degree before applying.

A minimum grade point average (GPA) of "B", i.e., 3.0 on a 4.0 scale on the last 60 hours of course work attempted.

Satisfactory scores on the General Aptitude test of the Graduate Record Examination (GRE). The Quantitative + Verbal scores combined should be at least 1100 using the prior GRE scale (Verbal minimum is 450 and Quantitative minimum is 650) or 301 using the current GRE scale (Verbal minimum is 150 and Quantitative minimum is 151); however, these scores do not guarantee admission.

Satisfactory TOEFL scores for international students. Requirements can be found on the Graduate School/International students web page.

Degree Requirements

Credit hours required for this degree: 32.0

Master of Science - Thesis

A minimum of 30 semester hours, with two (2) additional seminar hours of CIVE 6111 (for a total of 32 hours) are required for the degree of Master of Science. This is a research-oriented degree that is open only to full-time students under the guidance of a faculty advisor. All students selecting the thesis option must satisfactorily defend the thesis in the presence of the thesis committee prior to its acceptance.



Required Courses: 20 credits

- CIVE 6111 - Graduate Seminar **Credit Hours: 1.0** (taken twice)
- CIVE 6361 - Engineering Hydrology **Credit Hours: 3.0**
- CIVE 6377 - Environmental Chemistry **Credit Hours: 3**
- CIVE 6378 - Principles of Environmental Modeling **Credit Hours: 3**
- CIVE 6391 - Environmental Engineering Microbiology **Credit Hours: 3**
- CIVE 6399 - Master's Thesis **Credit Hours: 3**
- CIVE 7399 - Master's Thesis **Credit Hours: 3**

Elective Courses (choose 4): 12 credits

- CIVE 5360 - Urban-Regional Planning **Credit Hours: 3.0**
- CIVE 6322 - Stormwater Management **Credit Hours: 3.0**
- CIVE 6331 - Hydraulics of Open Channel Flow **Credit Hours: 3**
- CIVE 6362 - Water Quality Engineering **Credit Hours: 3.0**
- CIVE 6387 - Physicochemical Treatment Processes **Credit Hours: 3.0**
- CIVE 6388 - Hazardous Waste Processes **Credit Hours: 3.0**
- CIVE 6390 - Municipal Drinking Water Treatment **Credit Hours: 3.0**
- CIVE 6392 - Mass Transfer in Environmental Systems **Credit Hours: 3.0**
- CIVE 7342 - Engineering Geographic Information Systems **Credit Hours: 3**
- CIVE 7397 - Selected Topics **Credit Hours: 3**

Topic(s)

Hazardous Waste Management and Risk Assessment

- CHEE 6368 - Chemical Process Economics I **Credit Hours: 3.0**
- CHEE 6386 - Air Polltn Probs&Contrl **Credit Hours: 3.0**
- CHEE 6390 - Energy and the Environment **Credit Hours: 3.0**
- INDE 6332 - Egr Project Mgt **Credit Hours: 3.0**
- INDE 6333 - Probability Stat For Engineers **Credit Hours: 3.0**
- IEEM 6335 - Engineering Management of Organizations **Credit Hours: 3**
- INDE 6364 - Experimental Design and Regression **Credit Hours: 3.0**
- GEOL 6325 - Remote Sensing **Credit Hours: 3.0**
- GEOL 6332 - Air Pollution Meteorology **Credit Hours: 3.0**
- GEOL 6334 - Atmospheric Chemistry **Credit Hours: 3**
- GEOL 6343 - Organic Geochemistry **Credit Hours: 3**
- GEOL 6366 - Hydrogeology **Credit Hours: 3.0**
- GEOL 6388 - Geospatial Analysis and Applications **Credit Hours: 3**

All students selecting the thesis option must satisfactorily defend the thesis in the presence of the thesis committee prior to its acceptance.

Master of Science - Non-Thesis

A non-thesis option in the Master of Science degree is also offered in Environmental Engineering. Similar to the thesis option, the degree requires a minimum of 30 hours with 2 additional seminar hours. Non-thesis option students may attend part-time.

Required Courses: 14 credits

- CIVE 6111 - Graduate Seminar **Credit Hours: 1.0**
- CIVE 6361 - Engineering Hydrology **Credit Hours: 3.0**
- CIVE 6377 - Environmental Chemistry **Credit Hours: 3**
- CIVE 6378 - Principles of Environmental Modeling **Credit Hours: 3**
- CIVE 6391 - Environmental Engineering Microbiology **Credit Hours: 3**



Elective Courses (choose 6): 18 credits

- CIVE 5360 - Urban-Regional Planning **Credit Hours: 3.0**
- CIVE 6322 - Stormwater Management **Credit Hours: 3.0**
- CIVE 6331 - Hydraulics of Open Channel Flow **Credit Hours: 3**
- CIVE 6362 - Water Quality Engineering **Credit Hours: 3.0**
- CIVE 6387 - Physicochemical Treatment Processes **Credit Hours: 3.0**
- CIVE 6388 - Hazardous Waste Processes **Credit Hours: 3.0**
- CIVE 6390 - Municipal Drinking Water Treatment **Credit Hours: 3.0**
- CIVE 6392 - Mass Transfer in Environmental Systems **Credit Hours: 3.0**
- CIVE 7342 - Engineering Geographic Information Systems **Credit Hours: 3**
- CIVE 7397 - Selected Topics **Credit Hours: 3**

Topic(s)

- Hazardous Waste Management and Risk Assessment
- CHEE 6368 - Chemical Process Economics I **Credit Hours: 3.0**
- CHEE 6386 - Air Polltn Probs&Contrl **Credit Hours: 3.0**
- CHEE 6390 - Energy and the Environment **Credit Hours: 3.0**
- INDE 6332 - Egr Project Mgt **Credit Hours: 3.0**
- INDE 6333 - Probability Stat For Engineers **Credit Hours: 3.0**
- IEEM 6335 - Engineering Management of Organizations **Credit Hours: 3**
- INDE 6364 - Experimental Design and Regression **Credit Hours: 3.0**
- GEOL 6325 - Remote Sensing **Credit Hours: 3.0**
- GEOL 6332 - Air Pollution Meteorology **Credit Hours: 3.0**
- GEOL 6334 - Atmospheric Chemistry **Credit Hours: 3**
- GEOL 6343 - Organic Geochemistry **Credit Hours: 3**
- GEOL 6366 - Hydrogeology **Credit Hours: 3.0**
- GEOL 6388 - Geospatial Analysis and Applications **Credit Hours: 3**

Academic Policies

Graduate Academic Policies: Cullen College of Engineering

University of Houston Academic Policies

Full-time students may substitute CIVE 6X98 (X Credit Hours of Research) for academic course work in any term. Enrollment in CIVE 6X98 requires a faculty research advisor who will assign a grade - "S" for Satisfactory or "U" for Unsatisfactory.

Completion of a Masters of Science with thesis requires that each student perform original research advised by one of the core faculty of the Environmental Engineering program, this faculty member will be the Chair of the thesis defense committee. A thesis Master's degree typically requires two years (or more) of full-time effort to complete the course work, plan and perform the research, and write and defend the thesis.

Geosensing Systems Engineering and Sciences, MS

In addition to continued study of a broad range of Geosensing fundamentals, candidates for the MS degree enjoy intensive exposure to a specific field of geosensing systems engineering research.

Both thesis and non-thesis tracks are offered in the Master of Science in Geosensing Systems & Engineering Sciences.



Completion of a Master of Science with thesis requires that each student perform original research advised by one of the core faculty of the Geosensing Systems Engineering and Sciences program. This faculty member will be the Chair of the thesis defense committee. Ordinarily, the Thesis Committee Chair will arrange financial support for the student and the research. A thesis master's degree typically requires two years (or more) of full-time effort to complete the course work, plan and perform the research, and write and defend the thesis.

Please visit the Geosensing Systems Engineering & Sciences page for more information.

Admission Requirements

Admission requirements are the same for both the thesis and non-thesis options:

A B.S. degree in engineering or in a science related to engineering from an accredited college or university or the foreign equivalent of an accredited American B.S. or M.S. degree in engineering. Non-engineers with degrees in related fields may be considered for admission after certain prerequisite courses are completed. A list of pre-requisites and leveling courses can be found on the Information for Non-Engineers page. Applicants with non-science bachelor's degrees in fields such as technology, management, business, and the arts must obtain an accredited engineering degree before applying.

A minimum grade point average (GPA) of 3.0 on a 4.0 scale on the last 60 hours of course work attempted.

Competitive scores on the General Aptitude test of the Graduate Record Examination (GRE). While there is no minimum GRE requirement, most students must have a quantitative + verbal combined score of 301 to be competitive; however, these scores do not guarantee admission.

International students must fulfill the English language proficiency requirement, including TOEFL/IELTS score. Details are found on the Graduate School/International students website.

Degree Requirements

Credit hours required for this degree: 30.0

Master of Science - Thesis Option

15 credit hours of structured academic course work

Three hours of research CIVE 6398 - Msce Research Project **Credit Hours: 3.0**

Six hours of electives (course work and or research)

Six credit hours of thesis CIVE 6399 - Master's Thesis **Credit Hours: 3** and

CIVE 7399 - Master's Thesis **Credit Hours: 3**

Enrollment in seminar at least once CIVE 6111 - Graduate Seminar **Credit Hours: 1.0**

Full-time M. S. students receiving financial support must enroll in 12 credit hours each fall and spring semester, and 6 hours each summer semester.

Full-time students may substitute CIVE 6X98 (X credit hours of research) for academic course work in any semester. Enrollment in CIVE 6X98 requires a faculty research advisor who will assign a grade - "S" for Satisfactory or "U" for Unsatisfactory. **Leveling and prerequisite courses are not counted in the above 12- or 6-hr requirements** (see non-engineers for more information).

Master of Science - Non-Thesis Degree

Student take 30 credit hours of course work

Non-thesis students are self-supporting and usually attend classes part time. Taking two classes per long semester and one class each summer semester, a student can complete the non-thesis master's degree in 2 years. Students are required to take the seminar class CIVE 6111 one semester as part of the non-thesis degree. CIVE 6111 seminar hours are not counted in the 30-hour requirement.

Academic Policies



After completing the research and writing the thesis, the candidate defends the thesis in a public meeting of the committee, interested faculty, staff, and students. The result is pass or fail with a pass usually being accompanied by recommended changes to the final draft.

All graduate students must maintain a "B" average (GPA 3.0). Any graduate student who earns three "C" grades in graduate courses will be dropped from the Program. Doctoral students who fail to complete their dissertation within five years after completion of the comprehensive examination must retake the exam.

Doctoral

Civil Engineering, PhD

Cullen College of Engineering > Department of Civil and Environmental Engineering > Civil Engineering, PhD

The Doctor of Philosophy in Civil Engineering requires 24 hours of coursework beyond the Master's Degree. The student first registers as a post-MS student until they pass the Qualifying Examination, they are then Ph.D. students. Once the student passes the Candidacy Exam, they are considered Ph.D. Candidates. During the period of study, the students are expected to carry out original research, which must be written up in a dissertation and defended before a committee.

Generally, Ph.D. students are offered financial aid in the form of teaching and/or research assistantship. Financial support includes medical insurance and qualifies the student for the lower, Texas-Resident Tuition. A tuition scholarship may also be awarded that covers up to nine hours of tuition per term.

For more information, please visit the Civil & Environmental Engineering website.

Admission Requirements

The applicant must have B.S. and M.S. (with thesis generally) degrees in Civil Engineering from an accredited college or university.

Students with degrees in fields closely related to Civil Engineering may be admitted with certain prerequisite courses specified to make their backgrounds equivalent, in general, to the Civil Engineering graduates. All prerequisite courses should be completed prior to starting the Ph.D. program.

The applicant must have a minimum GPA of 3.5/4.0 on all graduate work attempted and a satisfactory undergraduate record (at least 3.0/4.0 over the last 60 hours attempted).

Satisfactory scores on the Quantitative and Verbal tests of the Graduate Record Examination (GRE).

The applicant must meet English language proficiency requirements, either via degree completion in the U.S. or another certified English-speaking nation, or via submission of TOEFL/IELTS scores. Full details are found on the Graduate School/International students web page.

Favorable recommendation for admission to the Ph.D. program is required from the student's M.S. thesis advisor and two of his/her graduate professors. The consent of a Civil Engineering Faculty member to act as the student's Ph.D. Major Advisor is recommended.

Submit a complete application. It must be completed via the online application found on the How to Apply to UH Graduate School page. Admission to the Ph.D. program is highly selective. Satisfying the minimum admission requirements does not guarantee admission. All applicants must be approved by the Civil Engineering Admissions Committee and the Associate Dean of Engineering for Graduate Programs. Since a research dissertation is required of all Ph.D. candidates, it is highly recommended that a prospective Ph.D. student's contact individual faculty members whose research programs are of interest and a match to the student's skill sets to discuss the possibilities of performing research under their guidance.



Degree Requirements

Credit hours required for this degree: 54.0

The following are minimum requirements that may be exceeded in any case:

A total of at least 24-credit hours of course work beyond the M.S. (excluding prerequisites and remedial courses) is required for the Ph.D. degree in the following way:

A minimum of 12 hours of credit in Civil Engineering courses (6000 level or above-numbered courses) in the student's major and supporting areas.

A minimum of 9-credit hours in related fields of study outside Civil Engineering. At least 6 hours of these should constitute a coherent minor field.

At least 30-credit hours in research and dissertation; this includes Ph.D. research (any combination of CIVE 8198 through CIVE 8598) and a minimum of 12 hours of dissertation (Ph.D. Thesis) (CIVE 8399, CIVE 8399, or CIVE 8999). Registration in the dissertation must be continuous after the first registration in the 8399 series of the program.

The courses must be in accordance with a preliminary degree plan, approved by the student's Major Advisor, two other Civil Engineering Faculty members in the student's major or supporting areas, and the Director of Graduate Studies. The degree plan shall be kept in the student's file, with copies distributed to all concerned. The final degree plan should be approved by the Comprehensive examination and Dissertation Committees and the Director of Graduate Studies.

Normally, no more than 6 graduate credit hours may be transferred into a Ph.D. program from another institution (transferred graduate courses grade must be "B" or better).

The student is required to take CIVE 6111 (Graduate Seminar) during his/her registration in the dissertation and research courses (this is in addition to the course load described above).

No Civil Engineering courses with a grade of less than "B" shall count within the degree program. No grade of less than "C+" is acceptable within degree requirements; a maximum of 6 hours of courses outside Civil Engineering with a grade of "C+" may be counted within the degree program. A grade of "C+" or less in three courses attempted during the program may result in dismissal from Ph.D. studies. A grade of "C+" or less in four courses attempted during the UH graduate program shall result in dismissal from graduate studies. A GPA of at least 3.5/4.0 overall work attempted in the Ph.D. program is generally required or graduation.

Technology courses will not count within the requirements of the Ph.D. degree program.

Academic Policies

A student intending to pursue a Ph.D. must arrange, in writing, a relationship with a faculty member as Major Advisor for the student's research project. The arrangement shall be approved by the Departmental Chairman and Director for Graduate Studies. The Major Advisor shall counsel the student for the remainder of their study program and supervise their dissertation. Being without a Major Advisor after the first term will subject the student to transfer to the non-degree objective (NDO) program. By agreement of all concerned, the initial relationship may be dissolved and a new one established, but the student must have a Major Advisor at all times.

Prior to completion of the first term, the student and the Major Advisor shall recommend to the Director of Graduate Studies the student's preliminary degree plan. This plan will list the specific courses that must be completed to obtain the Ph.D. degree. Changes in the degree plan, if required, shall be recommended in writing by the Major Advisor to the Director of Graduate Studies. Only those studies undertaken in accordance with this approved degree plan shall count towards the degree.

Prior to the beginning of the last term, the student and the Major Advisor must submit the final degree plan to the Director of Graduate Studies to be certified for graduation. This plan must show the dates the comprehensive and candidacy exams were passed and the expected date of dissertation defense and completion. The student must also contact the department's Graduate Analyst or the Engineering Dean's Office for graduation information.

The student must enroll in any term in which they intend to use University facilities and/or seek the advice of the advisor. Registration in dissertation must be continuous after the first registration in dissertation courses (8399, 8699 or 8999). Full-time students must enroll in 9 hours or more per term and 6 hours per summer session.



The doctoral student who fails to complete their dissertation within 5 years after completion of the comprehensive examination may then be required to retake the examination.

The primary intent of the Civil Engineering Ph.D. Qualifying Examination is to identify potential weaknesses in a Ph.D. candidate's background.

This exam is for students pursuing the Ph.D. Degree in Civil Engineering and is monitored and administered by the Civil Engineering Graduate Program Director. Separate qualifying exam procedures apply to Ph.D. candidates pursuing degrees in Environmental or Geosensing Engineering.

All Civil Engineering Ph.D. candidates who have already completed at least five graduate courses will be recommended to take the written Ph.D. Qualifying Exam before the beginning of their third term in the UH graduate program. The written exam will be closed-book and offered twice a year: on the first Friday after the spring commencement and two Fridays before the beginning of the spring semester.

Students going directly from the BS degree to the Ph.D. degree are recommended to take the written qualifying exam by the term after they complete five courses in their graduate programs.

Passing criteria:

Score \geq 80%: pass (may be accompanied by the requirement of additional coursework in specific areas).

Score \geq 70% but $<$ 80%: oral exam required. After administration of the oral exam, the student may receive a grade of pass (may be accompanied by the requirement of additional coursework in specific areas) or a grade of unacceptable. If an unacceptable grade is assigned, the student will be allowed a second attempt at the written exam in the regularly scheduled qualifying exam period of the following term.

Score $<$ 70%: unacceptable. The student will be allowed a second attempt at the written exam in the regularly scheduled qualifying exam period of the following term.

If an oral exam is required it will be administered by a committee of at least three civil engineering faculty members. The oral exam committee must be submitted to the Civil Graduate Program Director at least 24 hours before the oral exam. The Chair of the Oral Exam Committee will be selected by the Civil Graduate Program Director.

After the exam(s) a memo from the Civil Graduate Program Director documenting the student's performance (pass or fail, with any additional requirements or recommendations) will be placed in the student's Departmental file.

The student must prepare and defend a research proposal for their dissertation research as the candidacy exam. The objectives of the examination are to ensure that the research topic is appropriate and manageable, the student is capable and prepared to undertake the proposed research, they have investigated the research point thoroughly and that they are proposing a reasonable approach. The candidacy examination should be taken after the student passes the comprehensive examination.

The student will prepare a written dissertation proposal and submit it to the dissertation committee (see below) in advance of the oral examination. During the examination, the student should present his/her proposal to the committee orally, and answer their questions. The proposal should include:

tentative title, objectives, and scope of the proposed research;

the results of a literature search on the subject (with a selected bibliography) indicating the present status of related work;

a discussion of the proposed problem;

preliminary data collected to date;

plans for completing the research; and

requirements of any computer work that is included.

As soon as the student passes the examination (which implies the committee's approval of their proposal), the student can formally proceed with the research plan and enroll in the dissertation (CIVE 8399, 8699, or 8999). Upon successful completion of the Candidacy Examination the student is formally considered a Ph.D. candidate.

The candidacy examination is administered by the student's dissertation committee. This committee consists of at least three civil engineering faculty members from the student's major and supporting (if needed) areas, including the major advisor as committee chairman, and two faculty members from outside the department. The advisor will ask the Departmental Chairman (through the Director of Graduate Studies) to appoint the dissertation committee. The advisor's request should propose the committee's membership, which should include those faculty members with the most expertise in the proposed research topic (that enables them to contribute effectively and to judge adequately). This request should be submitted as early as possible after the student passes their comprehensive examination and selects their research topic (form). The Departmental Chairman, after consulting



faculty members in the major area, will appoint the committee (with any appropriate changes in the proposed membership judged necessary).

The major advisor is responsible for arranging the candidacy examination and transmitting its results (i.e., the committee's decisions) in writing, to the student, to the members of the committee, and to the Department Chairman and Director of Graduate Studies.

The dissertation committee has the responsibility of passing final judgment on the student's degree plan (and imposing additional courses, if necessary), administering and grading the candidacy examination, supervising the dissertation research, passing judgment on the student's defense of their dissertation, and approving and signing the completed final copy of the dissertation document.

The Dissertation Committee shall pass judgment on the adequacy of the Ph.D. research and the oral defense of the dissertation by the student. The committee's approval of the final copy of the written dissertation is required to ascertain satisfactory performance of the research.

Combined registration in the Ph.D. research courses (CIVE 8198 through 8598) and the dissertation courses (CIVE 8399, 8699, or 8999) shall be limited to 9 hours in any one term or 6 hours for a combined summer session. Registration in the dissertation courses shall be normally limited to 6 hours during these periods.

Each Ph.D. candidate shall be required to spend one continuous calendar year in full-time residence while enroll in the research and dissertation courses.

Full-time residence is defined as enrollment in 9 semester credit hours for a fall or spring semester or 6 hours for a twelve-week summer session, and no substantial off-campus employment.

The College of Engineering requires that all full-time Ph.D. graduate students receiving support from the University enroll in at least 9-credit hours per term and 6 hours during the summer. Only full-time graduate students receive support from the University.

Registration in the Ph.D. research and dissertation courses will normally be limited to three calendar years from the time the student passes the Candidacy Examination. At the end of the final year, the candidate may be dropped from the Ph.D. program, or, be granted additional time for registration in their research, with the approval of their committee and the Director of Graduate Studies.

The doctoral research must constitute a contribution to the field of knowledge in an area of Civil Engineering, worthy of publication.

Each candidate is required to present and successfully defend their completed dissertation at a public meeting before the committee. The dissertation committee shall pass final judgment as to the acceptance or rejection of the dissertation. This meeting should be publicized in advance by a memorandum distributed to all Civil Engineering and interested Engineering Faculty indicating the title and abstract of the dissertation and the date, time and place of the meeting.

Department Academic Policies

Graduate Academic Policies: Cullen College of Engineering

University of Houston Academic Policies

Environmental Engineering, PhD

The Environmental Engineering Program of the University of Houston is an interdisciplinary graduate engineering program within the Cullen College of Engineering, administratively housed in the Department of Civil and Environmental Engineering. The Program and its faculty are internationally known for their research and teaching in water, wastewater, microbiology, nano- and biotechnologies, bioremediation, soil and hazardous waste treatment and modeling, and airborne particulates. The emphasis of study and research is placed on municipal and industrial water and wastewater treatment, water reuse, hazardous-waste management, and groundwater restoration with elective courses in the fields of air pollution modeling, measurement and control, engineering management, business and public policy, environmental law, water resources engineering, chemical engineering, chemistry, biochemistry and geosciences.

In addition to continued study of a broad range of environmental engineering fundamentals, candidates for the doctoral degree enjoy intensive exposure to a specific field of environmental engineering research. Individual research is the major focal point for doctoral students, who are expected to expand the frontiers of knowledge in their area of endeavor. Moreover, candidates learn and experience the general philosophy, methods, and concepts of research and scholarly inquiry. Acceptance into the full-time Ph.D. program is generally accompanied by financial support.



A fast-track Ph.D. program (B.S. to Ph.D.), available to undergraduate students upon completion of a bachelor's degree within that program, is also available in Environmental Engineering.

Admission to the Ph.D. program is highly selective. Satisfying the minimum admission requirements does not guarantee admission. All applicants must be approved by the Environmental Engineering Admissions Committee and the Associate Dean of Engineering for Graduate Programs. Since a research dissertation is required of all Ph.D. candidates, it is highly recommended that a prospective Ph.D. student contact individual faculty members whose research programs are of interest and a match to the student's skill sets to discuss the possibility of performing research under their guidance.

Admission Requirements (B.S. to Ph.D.)

A BS degree in engineering or in a science related to engineering from an accredited college or university or the foreign equivalent of an accredited American BS or MS degree in engineering. Non-engineers with degrees in related fields may be considered for admission after certain prerequisite courses are completed. A list of pre-requisites and leveling courses can be found on the Information for Non-Engineers page. Applicants with non-science bachelor's degrees in fields such as technology, management, business, and the arts must obtain an accredited engineering degree before applying.

A minimum grade point average (GPA) of "B", i.e., 3.0 on a 4.0 scale on the last 60 hours of course work attempted.

Satisfactory scores on the General Aptitude test of the Graduate Record Examination (GRE). The Quantitative + Verbal scores combined should be at least 1100 using the prior GRE scale (Verbal minimum is 450 and Quantitative minimum is 650) or 301 using the current GRE scale (Verbal minimum is 150 and Quantitative minimum is 151); however, this does not guarantee admission.

The applicant must meet English language proficiency requirements, either via degree completion in the US or another certified English-speaking nation, or via submission of TOEFL/IELTS scores. Full details are found on the Graduate School/International students web page.

Submit a complete application. It must be completed via the online application found on the How to Apply to UH Graduate School page.

Admission Requirements (MS to PhD)

Met the requirements listed above for BS to PhD

Completed an MS degree with thesis in Chemical, Environmental, or Civil Engineering with an Environmental emphasis with a GPA of 3.5 on a 4.0 scale from an ABET- accredited engineering program or a foreign equivalent thereof. A copy of the title page, signature page, and thesis abstract as well as excellent letters of reference from faculty familiar with the research must be submitted with the application.

Degree Requirements

Credit hours required for this degree: 52.0

The Ph.D. degree requires 52 credit hours of approved study beyond the M.S. degree. These requirements translate to a minimum of 24 credit hours of organized course work (eight 3-credit non-research courses) beyond the Master's Degree plus 28 hours of Ph.D. research and dissertation. It is also possible to obtain the Ph.D. degree without obtaining the M.S. degree (a total of 14 3-credit non-research courses are required for this option). A maximum of 100 credit hours as a Ph.D. student also applies. After 100 hours, the student is no longer eligible for the lower, Texas-Resident Tuition.

A Post-M.S. student becomes a Ph.D. student after passing the qualifying examination, which is usually taken after two semesters in residence (three semesters for B. S. to Ph. D. option). The qualifying exam consists of a critical review of a manuscript published in the peer-reviewed literature, and related to the student's research area chosen by the chairman of the student's dissertation committee. The student has 10 calendar days to write a comprehensive critique of the article and then, approximately two weeks after submitting the written critique to the examination committee (consisting of the core faculty members) the student presents and defends the critique in front of the committee. The result is pass (excellent, good or fair) or fail (poor). The examination may be retaken once.



After the student has completed 1-2 years of course work and preliminary research, they prepare a formal research proposal as their Candidacy Exam and select a dissertation committee consisting of a chair, two program faculty members and two faculty members from outside the CEE Department. Members are chosen by agreement between the student, the chair, and the potential member. All committee appointments must be approved by the Program Director and the Associate Dean for Graduate Studies. A candidacy examination consists of a formal proposal presentation and defense in front of the dissertation committee. The result is pass or fail. If the result is pass, the Ph.D. student becomes a Ph.D. Candidate. Even with a pass, the committee may point out deficiencies in the proposed research and recommend additional course work or require that specific experiments be completed. The exam may be retaken once.

After completing the research and writing the dissertation, the candidate defends the dissertation in a public meeting of the committee, interested faculty, staff, and students. The result is pass or fail with a pass usually being accompanied by recommended changes to the final draft.

Although all graduate students must maintain a "B" average (GPA 3.0), a Doctoral student should aim for a GPA of 3.5.

Academic Policies

Regulations for Comprehensive Screening Examination

The qualifying exam may be taken any time after core coursework or equivalent has been completed. Student's graduate GPA at UH should be 3.50 or greater. Exceptions may be made in the case of students required to take particularly difficult courses outside the EnvE Program.

Student's major advisor (Chair of Dissertation Committee) will select one or more related technical publications for the student to review and critique.

Advisor will circulate publication(s) to other EnvE faculty members for advice and counsel. Faculty with comments should respond within one week.

Students will have ten calendar days to analyze the publication, read related material, and prepare a written review in the format requested. One copy of the written review will be delivered to each EnvE faculty (mailbox or personal delivery) by the due date.

Candidate will present and defend the written review before the EnvE faculty. The oral exam will be held 7-14 days after the written exam is submitted. Effort must be made to schedule the exam when all EnvE faculty can attend. If this is not possible, the exam may be held with no more than one missing EnvE faculty.

Written and oral presentations will be judged by all core EnvE faculty. Grading will be "Excellent", "Good", "Fair", or "Poor" with "Fair" or better required for passing. Separate written and oral grades will be assigned based on the student's demonstrated analytical and writing abilities, presentation skill, and ability to answer faculty questions. If failed, the test may be retaken only once.

Format for Written Critical Review

Abstract: A 300-word abstract of what the candidate thinks the authors are saying.

Overall Evaluation: Student's general impression of the paper- what is the contribution? Approximately 150 words in length supported by the following Detailed Evaluation.

Detailed Evaluation of Strengths and Weaknesses: The following factors should be considered and reported upon in some logical fashion in the written critique. *This list is not an outline to be rigorously followed for the written critique.*

Is the presentation clear?

Is the literature search adequate?

What is the quality of the experimental data?

Do the models make sense; are they built on sound assumptions with correct equations?

Is approach innovative, creative, unique?

Are results and conclusions believable?



- Are results useful?
- Is the work significant?
- Is work state-of-the-art?
- What additional experimental work or modeling might have been performed?
- How does this work extend, contradict, or confirm the literature?
- Are the findings in this paper related to your doctoral research? If so, how?

NOTE: Total length of critique is not to exceed 10 double-spaced typed pages exclusive of references and additional figures.

Candidacy Examination:

The student must prepare and defend a research proposal for their dissertation research as the candidacy exam. The objectives of the examination are to ensure that the research topic is appropriate and manageable, the student is capable and prepared to undertake the proposed research, they have investigated the research point thoroughly and that they are proposing a reasonable approach. The candidacy examination should be taken after the student passes the comprehensive examination.

The student will prepare a written dissertation proposal and submit it to the dissertation committee (see below) in advance of the oral examination. During the examination, the student should present his/her proposal to the committee orally, and answer their questions. The proposal should include:

- tentative title, objectives and scope of the proposed research;
- the results of a literature search on the subject (with a selected bibliography) indicating the present status of related work;
- a discussion of the proposed problem;
- preliminary data collected to date;
- plans for completing the research; and
- requirements of any computer work that is included.

As soon as the student passes the examination (which implies the committee's approval of their proposal), the student can formally proceed with the research plan and enroll in the dissertation (CIVE 8399, 8699, or 8999). Upon successful completion of the Candidacy Examination, the student is formally considered a Ph.D. candidate.

The candidacy examination is administered by the student's dissertation committee. This committee consists of at least three environmental engineering faculty members from the student's major and supporting (if needed) areas, including the major advisor as committee chair, and two faculty members from outside the CEE department. The advisor will ask the program director to appoint the dissertation committee. The advisor's request should propose the committee's membership, which should include those faculty members with the most expertise in the proposed research topic (that enables them to contribute effectively and to judge adequately). This request should be submitted as early as possible after the student passes their comprehensive examination and selects their research topic (form). The program director, after consulting faculty members in the major area, will appoint the committee (with any appropriate changes in the proposed membership judged necessary).

The major advisor is responsible for arranging the candidacy examination and transmitting its results (i.e., the committee's decisions) in writing, to the student, to the members of the committee, and to the program director. The candidacy exam result is pass (excellent, good, fair) or fail (poor).

The dissertation committee has the responsibility of passing final judgment on the student's degree plan (and imposing additional courses, if necessary), administering and grading the candidacy examination, supervising the dissertation research, passing judgment on the student's defense of their dissertation, and approving and signing the completed final copy of the dissertation document.

Department Academic Policies

Graduate Academic Policies: Cullen College of Engineering

University of Houston Academic Policies



Geosensing Systems Engineering and Sciences, PhD

In addition to continued study of a broad range of Geosensing fundamentals, candidates for the doctoral degree enjoy intensive exposure to a specific field of geosensing systems engineering research. Individual research is the major focal point for doctoral students, who are expected to expand the frontiers of knowledge in their area of endeavor. Moreover, candidates learn and experience the general philosophy, methods, and concepts of research and scholarly inquiry. Acceptance into the full-time Ph.D. program is generally accompanied by financial support.

A fast-track Ph.D. program (B.S. to Ph.D.), available to undergraduate students upon completion of a bachelor's degree within that program, is also available in Geosensing Systems Engineering and Sciences.

Admission to the Ph.D. program is highly selective. Satisfying the minimum admission requirements does not guarantee admission. All applicants must be approved by the Geosensing Systems Engineering Admissions Committee and the Associate Dean of Engineering for Graduate Programs. Since a research dissertation is required of all Ph.D. candidates, it is highly recommended that a prospective Ph.D. student contact individual faculty members whose research programs are of interest and a match to the student's skill sets to discuss the possibility of performing research under their guidance.

For more information, please visit the [Doctor of Philosophy in Geosensing Systems Engineering and Sciences program page](#).

Admission Requirements

B.S. to Ph.D.

A B.S. degree in engineering or in a science related to engineering from an accredited college or university or the foreign equivalent of an accredited American BS or MS degree in engineering. Non-engineers with degrees in related fields may be considered for admission after certain prerequisite courses are completed. A list of pre-requisites and leveling courses can be found on the [Information for Non-Engineers page](#). Applicants with non-science bachelor's degrees in fields such as technology, management, business, and the arts must obtain an accredited engineering degree before applying.

Submit a complete application. It must be completed via the online application found at [How to Apply to UH Graduate School](#).

A minimum grade point average (GPA) of "B", i.e., 3.0 on a 4.0 scale on the last 60 hours of course work attempted.

Satisfactory scores on the General Aptitude test of the Graduate Record Examination (GRE). The Quantitative + Verbal scores combined should be at least 1100 using the prior GRE scale (Verbal minimum is 450 and Quantitative minimum is 650) or 301 using the current GRE scale (Verbal minimum is 150 and Quantitative minimum is 151); however, this does not guarantee admission.

The applicant must meet English language proficiency requirements, either via degree completion in the US or another certified English-speaking nation, or via submission of TOEFL/IELTS scores. Full details are found on the [Graduate School/International students website](#).

M.S. to Ph.D.

Met the requirements listed above for BS to PhD

Completed an MS degree with thesis in Chemical, Environmental, or Civil Engineering with an Environmental emphasis with a GPA of 3.5 on a 4.0 scale from an ABET- accredited engineering program or a foreign equivalent thereof. A copy of the title page, signature page, and thesis abstract, as well as excellent letters of reference from faculty familiar with the research, must be submitted with the application.

Degree Requirements



Credit hours required for this degree: 84.0 (B.S. to Ph.D.) or 54.0 (M.S. to Ph.D.)

Direct B.S. to Ph.D.

A Ph.D. degree for a student whose highest prior degree is a B.S. requires 84 credit hours of approved study beyond the B.S. degree. These requirements translate to a minimum of 39 credit hours of organized course work (thirteen 3-credit non-research courses) beyond the Bachelor's Degree plus 45 hours of Ph.D. research, dissertation and unrestricted electives. A maximum of 100 credit hours as a Ph.D. student also applies. After 100 hours, the student is no longer eligible for the lower, Texas-Resident Tuition.

M.S. to Ph.D.

The Ph.D. degree requires 54 credit hours of approved study beyond the M.S. degree. These requirements translate to a minimum of 18 credit hours of organized course work (six 3-credit non-research courses) beyond the Master's Degree plus 36 hours of Ph.D. research, dissertation and unrestricted electives. After 100 hours, the student is no longer eligible for the lower, Texas-Resident Tuition.

A B.S. or M.S. student becomes a Ph.D. student after passing the qualifying examination which is usually taken after two or three semesters in residence. The qualifying exam consists of a critical review of a manuscript published in the peer-reviewed literature, and related to the student's research area chosen by the chairman of the student's dissertation committee. The student has 15 calendar days to write a comprehensive critique of the article and then, approximately two weeks after submitting the written critique to the examination committee (consisting of the core faculty members) the student presents and defends the critique in front of the committee. The result is pass (excellent, good or fair) or fail (poor). The examination may be retaken only once.

After the student has completed 1-2 years of course work and preliminary research, they prepare a formal research proposal as their thesis proposal and select a dissertation committee consisting of a chair, two program faculty members and two faculty members from outside the GSES Program Department. Members are chosen by agreement between the student, the chair, and the potential member. All committee appointments must be approved by the Program Director and the Associate Dean for Graduate Studies. A candidacy examination consists of a formal proposal presentation and defense in front of the dissertation committee. The result is pass or fail. If the result is pass, the Ph.D. student becomes a Ph.D. Candidate. Even with a pass, the committee may point out deficiencies in the proposed research and recommend additional course work or require that specific experiments be completed. The exam may be retaken once. If the student fails the retaken exam, the student will be terminated with a M.S. degree.

After completing the research and writing the dissertation, the candidate defends the dissertation in a public meeting of the committee, interested faculty, staff, and students. The result is pass or fail with a pass usually being accompanied by recommended changes to the final draft.

All graduate students must maintain a "B" average (GPA 3.0). Any graduate student who earns three "C" grades in graduate courses will be dropped from the Program. Doctoral students who fail to complete their dissertation within five years after completion of the comprehensive examination must retake the exam.

Academic Policies

Graduate Academic Policies: Cullen College of Engineering

University of Houston Academic Policies

Graduate Certificate



Global Climate, Energy, and Environment, Certificate

Cullen College of Engineering > Department of Civil and Environmental Engineering > Global Climate, Energy, and Environment, Certificate

The certificate program in Global Climate, Energy and Environment focuses on current activities influencing Global Climate, Energy Sources, and Environmental effects. Students interested in this certificate would likely come from the Energy, Environment, and Government sectors. The certificate provides comprehensive instruction in the areas of the formulation of the hypothesis, data collection, and interpretation of the available results related to climate.

Certificate Requirements

Certificate Total: 9.0 Credit Hours

The courses are independent and can be taken in any order.

GCEE 6310 - Global Climate: Energy, Environment, and Economy

GCEE 6320 - Global Climate: Physical Models

GCEE 6330 - Global Climate: Economic Models

Academic Policies

University Academic Policies

Graduate Academic Policies: Cullen College of Engineering

Department of Electrical and Computer Engineering

The Department of Electrical and Computer Engineering offers graduate study in the specialized fields of applied electromagnetics and antennas, biomedical engineering, computers, control systems, electron beams, high-temperature superconductivity devices, neural networks, neuro-engineering, pattern recognition, power systems, robotics, seismic exploration, signal image processing, solid-state microelectronics, and well logging.

The department has extensive research facilities for work in antenna measurements, biomedical engineering, digital systems, electron beam lithography, micro-electronics fabrication, microwaves, neuro-engineering, power systems, well logging applications, and other areas.

Programs

Master

Computer and Systems Engineering, MS

Electrical Engineering, MSEE

Doctoral

Electrical Engineering, PhD

Master



Computer and Systems Engineering, MS

Cullen College of Engineering > Department of Electrical and Computer Engineering > Computer and Systems Engineering, MS

Admission Requirements

Degree Requirements

Academic Policies

The Computer and Systems Engineering (CSE) degree offered by the University of Houston (UH) is a graduate level interdisciplinary program administered by the Department of Electrical and Computer Engineering (ECE) that provides specialization in Computer Engineering. Applicants can have a BS. in any one of the following fields: Electrical Engineering, Computer Engineering, Computer Science or a degree in any Engineering field or Quantitative Science. Depending on previous background a set of prerequisites might have to be satisfied before the student starts the graduate program in CSE. A student can complete the degree either on a full or part time basis and has the option of doing a thesis or not.

For more information, please visit: <http://www.ece.uh.edu/graduate/degree-programs>.

Admission Requirements

Unconditional Admission

A bachelor's degree in Engineering from an ABET accredited program, a degree in Computer Science, or a degree in Quantitative Science, with a grade point average of at least 3.0/4.0 on the last 60 hours of the undergraduate degree and on any coursework completed since graduation.

General GRE scores must be submitted. While no minimum GRE scores are used to exclude students, typically students entering the program have GRE scores greater than 150 on the Verbal, greater than 159 on the Quantitative and greater than 4.0 on the Writing Assessment.

International students submitting an official TOEFL score to satisfy the English Language Proficiency requirements should have a score of 92 or better

Full details on international application requirements can be found at www.uh.edu/graduate-school/admissions/international-students/

Conditional Admission

Requirements are the same as unconditional admission except that the grade point average may be between 2.6 and 3.0 on the last 60 hours with high GRE scores.

Student must be a citizen or permanent resident of the United States. NOTE: The conditionally admitted student must earn a GPA of at least 3.0 on the first 12 hours of graduate work after enrolling in the program.

Detailed information on the application process can be obtained from the web at <http://www.ee.uh.edu/graduate/prospective-graduate-students>.

Degree Requirements

Credit hours required for this degree: thesis/non-thesis 30.0

Prerequisites

Upon admission to the program, each student will meet with the Director of the CSE Program who will review the student's background and inform the student of the prerequisite courses, if any, that the student must complete before taking any graduate level courses.

Mathematics



A student must have a mathematics background that includes calculus, differential equations, linear algebra, and numerical methods. These prerequisites may be satisfied by the following courses at UH or similar courses at another university:

MATH 1431 Calculus I
MATH 1432 Calculus II
MATH 2432 Calculus III
MATH 3331 Differential Equations

Computers

A student must have had courses in high-level and assembly language programming, elementary data structures, and in digital logic design and microcomputers. These prerequisites may be satisfied by the following courses at UH or similar courses at another university:

ECE 1331 Computer and Problem Solving
ECE 3441 Digital Logic Design
ECE 4436 Microprocessor Systems
COSC 6304 Data Structures
COSC 6310 Fundamental of Operating Systems

Circuits and Electronics

A student must have had courses in circuits and electronics. These prerequisites may be satisfied by the following courses at UH or similar courses at another university:

ECE 2300 and ECE 2100 Circuit Analysis and Circuit Analysis Lab
ECE 3355 and ECE3155 Electronics and Electronics Lab
ECE 3457 Digital Electronics

Required Graduate Courses

To receive the degree of Master of Science, the student is required to complete (on a part-time or full-time basis), with a grade point average of at least 3.0, a minimum of 30 semester credit hours for both the non-thesis or thesis options.

Upon admission to the program, the student will meet with the Director of the CSE Program to develop a plan that involves any required prerequisite courses as well as the appropriate courses for the degree plan. If the student follows the thesis option he/she will be advised to find an advisor who will supervise and direct his/her research. The thesis advisor will subsequently advise the student about his/her degree plan.

Non-thesis Option:

A student that follows the non-thesis option should complete a minimum of 30 semester credit hours of coursework (10 courses).

Four of these courses should be from the list of Required ECE Courses while the remaining can be from the list of Suggested Elective ECE courses.

A minimum of six courses should be from the Department of Electrical & Computer Engineering.

A maximum of four courses can be from outside the ECE department. These courses must be from the Department of Computer Science, College of Engineering, or College of Business Administration. No courses from the College of Technology can be used on the Degree Plan.

Before graduation, the student's degree plan will have to be approved by the ECE Academic Advisor and the Director of the Computer and Systems Engineering Program.

Thesis Option:

A student who follows the thesis option should complete a minimum of 30 semester hours.

A minimum of 18 semester credit hours of coursework (6 courses)

Four of these courses should be from the List of Required ECE Courses



Six hours of thesis (ECE 6399 and ECE 7399) and
Six hours of research (ECE 6398)

Before graduation the student's degree plan will have to be approved by the thesis advisor, the ECE Academic Advisor, and the Director of the Computer and Systems Engineering Program.

Required ECE Courses

Choose 4 courses from the following required course list:

ECE 6321 - Principles of Internetworking **Credit Hours: 3.0**
ECE 6370 - Advanced Digital Design **Credit Hours: 3.0**
ECE 6346 - Vlsi Design **Credit Hours: 3.0**
ECE 6373 - Adv Computer Arch **Credit Hours: 3.0**
ECE 7373 - Adv Topics in Comp Arch **Credit Hours: 3.0**
ECE 6372 - Advanced Hardware Design **Credit Hours: 3.0**
ECE 6328 - Cmos Analog Integrated Circuit **Credit Hours: 3.0**

Suggested ECE Elective Courses

To satisfy the coursework requirements and form a meaningful coherent program of study, a student may choose the remaining courses from the following list of Suggested ECE Elective Courses:

ECE 5367 - Computer Architecture and Design **Credit Hours: 3.0**
ECE 6313 - Neural Networks **Credit Hours: 3.0**
ECE 6321 - Principles of Internetworking **Credit Hours: 3.0**
ECE 6323 - Optical Fiber Communications **Credit Hours: 3.0**
ECE 6325 - State-Space Control Systems **Credit Hours: 3.0**
ECE 6328 - Cmos Analog Integrated Circuit **Credit Hours: 3.0**
ECE 6331 - Advanced Telecommunications **Credit Hours: 3.0**
ECE 6332 - Wireless Telecomm Systems **Credit Hours: 3.0**
ECE 6335 - Digital Contrl Systems **Credit Hours: 3.0**
ECE 6336 - Intro to Architecture of RTOS and IoT **Credit Hours: 3**
ECE 6337 - Stochastic Processes in Signal Processing and Data Science **Credit Hours: 3**
ECE 6342 - Digital Signal Process **Credit Hours: 3.0**
ECE 6353 - Rf & Microwave Electronics **Credit Hours: 3.0**
ECE 6354 - Digital Video **Credit Hours: 3.0**
ECE 6356 - Introduction to Machine Learning **Credit Hours: 3.00**
ECE 6364 - Digital Imag Processing **Credit Hours: 3.0**
ECE 6372 - Advanced Hardware Design **Credit Hours: 3.0**
ECE 6376 - Digital Pattn Recognntn **Credit Hours: 3.0**
ECE 6390 - Lin Multivar Contrl Sys **Credit Hours: 3.0**
ECE 6397 - Selected Topics **Credit Hours: 3**
Topic(s)
Robotics in Healthcare **Credit Hours: 3.0**
Introduction to Cybersecurity **Credit Hours: 3.0**
ECE 6466 - Integrted Circ Engr **Credit Hours: 4.0**
ECE 7349 - Adv Tpcs-Mcroelectrnics **Credit Hours: 3.0**
ECE 7366 - Advanced Process Integrat Vlsi **Credit Hours: 3.0**



The above list is subject to change, and other graduate ECE courses can be taken with the approval of the Director of the CSE Program.

In all cases no credit will be given for courses that are equivalent to courses used in the student's undergraduate degree.

Restrictions for courses outside the ECE Department:

All CS courses should be at the 4000 level or higher.

COSC 6301, 6302, 6303, and 6304, 6305, 6306, 6308, 6309, and 6310 cannot be used on the degree plan.

All courses from the College of Business Administration should be at the 6000 level or higher.

Courses from the General Business Administration (GENB) cannot be used on the degree plan.

All the courses of the College of Engineering should be at the 4000 level or higher.

Courses that do not receive a letter grade but are graded S, U or W will not be counted towards the degree plan.

Non-ECE courses with similar content as ECE courses: In case a graduate level (6000 or above) course is offered in another department with similar content to a regularly offered ECE graduate course, graduate ECE students must take the ECE version. If the course in question is not offered regularly, or in the graduating semester, then the students may be allowed to take the non-ECE version by submitting a general petition. Under no circumstances will graduate credit be awarded for both the ECE and the non-ECE on of the course.

IMPORTANT NOTE: Students must refer to ECE Department Policies and Procedures for any information not covered in this document, including those found at <http://www.ee.uh.edu/graduate/procedures-requirements-standards>.

Academic Policies

Department Academic Policies

College Academic Policies

University of Houston Academic Policies

Appropriate Coursework

Courses used to satisfy structured course requirements must receive a letter grade (i.e., *not* S, U, or W).

Some departments other than ECE offer graduate level courses (6000 or above) with similar content to ECE graduate courses. In those situations, ECE graduate students must take the ECE version of the course. If the ECE course in question is not offered around the time of the graduating semester, then the student may be allowed to take the non-ECE version by general petition. Please see related deadlines on the department calendar.

Graduate credit will not be awarded for both the ECE and non-ECE versions of a course.

Courses offered by other institutions, such as Rice University/UT Health, etc., may be taken with prior approval from both the student's advisor and the director of the graduate program if a similar class is not offered at UH. For permission to take a non-UH course, complete a general petition and an inter-institutional form, which are linked in our forms page.

Courses taken for personal enrichment will not count towards the degree and must be approved by the advisor and the Director of Graduate Studies prior to enrollment. Enrichment hours cannot be used to satisfy minimum enrollment requirements when an assistantship is being received.

Leveling Courses

Students who do not have a Bachelor of Science in Electrical or Computer Engineering must show competency in four areas:

Electronic devices

Circuit theory



Electromagnetics
Computers

Students may accomplish this through leveling coursework or by passing a core competency exam. The Graduate Admissions Committee will identify leveling requirements with the assistance of the thesis advisor.

Competence in each area can be demonstrated by passing the following course(s) with a grade of B or better, respectively:

Circuit Analysis (ECE 2201 and ECE 2202) and its Laboratory (ECE 2100)
Applied EM Waves (ECE 3317)
Signal & System Analysis (ECE 3337)
Electronics (ECE 3355)
Microprocessor Systems (ECE 4436)

The graduate level courses, Microwave engineering and Computer architecture, may be taken in place of Applied EM Waves (ECE3317) and Microprocessor Systems (ECE4436), respectively, with instructor permission.

Dissertation and Thesis Guidelines

The Dissertation document is written as part of the Ph.D. degree program and the Thesis is written as part of the M.S. degree. The dissertation should be at such a level as to be a significant contribution to the field of knowledge in electrical and computer engineering, and worthy of publication in one of the recognized professional journals. This section describes the common elements in these documents and specifies any differences.

Here is a summary of the steps a student takes to complete this requirement.

Form a Thesis/Dissertation Committee
Write a Proposal and submit it to the Committee for approval. Ph.D. students must also defend their proposal orally
Prepare the Thesis/Dissertation document
Defend the Thesis/Dissertation in a public setting with an announcement filed at least two weeks prior to the defense

More details for each step are provided in the next sections.

Committee

The student should form a Thesis/Dissertation Committee with the Advisor as chair as soon as the research topic is selected.

A *Thesis Committee* must consist of at least three members, with

the advisor as chair,
at least one additional faculty members from the Electrical and Computer Engineering Department, and
at least one University of Houston tenure-track faculty member outside this Department.

A *Dissertation Committee* must consist of at least five members, with

the advisor as chair,
at least two additional faculty members from the Electrical and Computer Engineering Department, and
at least two University of Houston tenure-track faculty member outside this department.

In either case, the advisor can assist the student in forming an appropriate committee. A committee form must be submitted well before the proposal defense is scheduled since the committee must be approved by the Department and Dean's Office prior to the defense. A student need not be enrolled while requesting to form a committee but must be enrolled when the defense takes place.

Should changes to the committee membership be necessary, the student simply submits an updated committee form listing all committee members. Only the new member(s) have to sign the form, but please complete this at least two weeks prior to defending the proposal or the Thesis/Dissertation.



Proposal

Once the Thesis/Dissertation Committee has been formed and approved, the student should prepare and, for Ph.D. students, defend a Thesis/Dissertation Proposal. During the semester where the proposal submission takes place, the student must be enrolled in ECE 6399 (MSEE) or ECE 8399 (Ph.D.). The Thesis/Dissertation Committee will approve the proposal by signing the Proposal Form. This form, together with a copy of the proposal document, has to be submitted to the ECE Department by the deadline specified on the semester calendar. The forms for the Thesis/Dissertation Committee formation and the Thesis/Dissertation Proposal defense can be obtained from the Department of Electrical and Computer Engineering.

The proposal document should outline the scope of the research, and it should contain, at least, a statement of the objectives, a review of the relevant literature, and a description of the principal methods to be used. Copies of this proposal should be provided to the members of the Committee.

Since the Committee may request substantial changes in the research objectives, the proposal should be prepared during the early stages of the dissertation research. *In no case should a proposal and dissertation defense occur in the same semester.*

After the successful defense of the Thesis/Dissertation Proposal, students should register for ECE 7399 (MSEE) or continue to enroll in ECE 8399 (Ph.D.). MSEE students should ideally enroll in ECE 7399 during the semester in which the thesis is defended and in which the student plans to graduate. The student should adhere to the thesis submission deadlines posted on the department calendar. In case the student does not complete the thesis while enrolled in ECE 7399, he/she should enroll in research courses (ECE 6x98) in future semesters until the thesis is completed to the satisfaction of the committee.

Thesis/Dissertation Document

When most of the research has been completed, the student should describe the main results to the committee and describe plans for the contents and structure of the thesis/dissertation. A student may request that the members of the committee review and comment on a preliminary version of the dissertation. This procedure is encouraged since it should provide the student with ideas of how to enhance the quality of the dissertation and should facilitate its acceptance.

When preparing the Thesis/Dissertation, it is critical to follow the guidelines defined by the College of Engineering.

A student should provide the members of the committee with the final version of the dissertation *no later than two weeks prior to the dissertation presentation and defense*. The student should be aware that he/she may be required to make substantial changes in the dissertation in order to satisfy the requirements of the committee.

Thesis/Dissertation Defense

Each candidate is required to present and defend his/her thesis/dissertation at a public meeting and post an announcement with an abstract with the ECE office at least two weeks before defense date. Please check with the ECE Department for further details. The Thesis/Dissertation Committee will make the final judgment of the acceptance of the defense of the document.

The thesis/dissertation announcement is to let the public know that the student has completed successfully his/her research and that he/she is ready for graduation. The announcement must be distributed to all faculty and students. One additional copy must be submitted to the ECE Department for filing. Refer to the web site given for more information.

Note: The student may request that the members of the Thesis/Dissertation Committee review and comment on a preliminary version of the thesis. This practice is encouraged since it should provide the student with ideas on how to improve the quality of the thesis and should also facilitate its acceptance. The student is required to present the final draft of the thesis to the members of the committee no later than two weeks prior to the date of the thesis defense. The student should be aware that he/she may be required to make substantial changes, before and after the defense, in the thesis in order to satisfy the requirements of the committee.



Submission Form

Upon successful defense of the thesis, and once all signatures of the committee members have been obtained, the student must submit one copy of the thesis to the Director of Graduate Studies for review. A thesis submission form and this copy, together with the correct number of signature pages, must be submitted to the ECE front desk before the deadline stated in the Department calendar.

Obtaining ECE Department's Chair signature

Once the thesis has been approved by the director of graduate studies, thesis and official signature pages will be submitted to the chairman for his signature. The student will be notified by staff for pick up. Department process for thesis submission is now complete. Students must now submit the Department approved thesis submission form with appropriate documents to the Dean's office for review.

Official thesis submission for binding

The college web site provides instructions on how to submit the thesis once the dean's office has given approval for binding. Once the student is at this stage, he/she must submit a copy of the thesis binding agreement received from the Dean's office to the ECE Department so that appropriate letter grade(s) can be awarded.

Electrical Engineering, MSEE

Colleges > Cullen College of Engineering > Department of Electrical and Computer Engineering > Electrical Engineering, MSEE

Master of Science in Electrical Engineering (MSEE, with thesis)

The Master of Science (MSEE) degree is a research-oriented degree and requires the completion of a thesis that describes the results of research conducted under the guidance of a faculty advisor. This is a good option for students who haven't yet decided if they want to pursue an R&D career and/or aren't set on their exact area of study. As such, it is very important that students select an advisor as soon as possible, ideally prior to beginning the program.

Master of Science in Electrical Engineering (MSEE, Non-thesis option)

The Master of Science in Electrical Engineering (MSEE) non-thesis master's program provides advanced instruction emphasizing engineering practice, making it well suited for practicing engineers who want to grow their knowledge and skillset but aren't necessarily pursuing a career in R&D. In fact, the MEE program can be counted as one year's experience towards registration as a Professional Engineer.

The program focuses on electrical engineering design, systems operation, manufacturing, and management. Students may specialize in one of four areas of strength in the Department of Electrical and Computer Engineering. These areas are: Control and Power Systems, Electromagnetics and Microelectronics, Electronics and Computers, and Signals and Communications. Under the guidance of a faculty member, students may complete the MSEE with a capstone project focusing on a practical engineering problem.



In addition, students can select electives outside the electrical and computer engineering department. Options include courses in other Cullen College departments, the College of Business Administration, and the College of Natural Sciences and Mathematics. This flexibility allows students to design a degree program that best matches their goals for the future.

Although the thesis and non-thesis programs are open to both part-time and full-time students, part-time students and working engineers typically find the non-thesis program is the better fit. Students who do not wish to pursue the degree can take individual classes as a Non-Degree Objective (NDO) student.

For more information, please visit the Electrical & Computer Engineering program page.

Admission Requirements

A Bachelor of Science degree in electrical or computer engineering or closely related field.

GPA \geq 3.0/4.0 (or equivalent) for the last 60 hours of the undergraduate degree and on any coursework completed since graduation.

Recommended GRE scores: Verbal of 150, Quantitative of 159, Analytical Writing of 4.0.

TOEFL of 92 or IELTS of 7 (Required if applicant does not have a degree from a US institution).

Three letters of recommendation on official letterhead that includes the mailing address, phone number, and email of the recommender.

For full details on application process, visit the How to Apply to UH Graduate School page.

Degree Requirements

Credit hours required for this degree: 30.0

Master of Science (MSEE, with Thesis) Program

To receive the degree of Master of Science in Electrical Engineering, a student is required to complete, on a part-time or full-time basis, a minimum of 30 semester credit hours of graduate studies, to include at least 18 hours of coursework, and 12 hours of thesis and research. Specifically,

At least 15 hours of structured coursework in ECE, at or higher than the 6000 level. Out of these, at least 6 hours should be in the area of concentration of the student.

Out of the minimum of 18 hours of coursework, at most 3 hours could be in a related technical field. These courses should be deemed appropriate for the professional development of the student (i.e., courses related to the thesis topic), and must be from a department outside ECE at the 4000 level or higher. Both the student's thesis advisor and the Director of Graduate Studies must approve them. In any case, no credit will be given for courses that are equivalent to courses used in the student's undergraduate degree.

Six hours of thesis (ECE 6399 and ECE 7399) and at least 6 hours of research (ECE 6x98).

Preparation of a written thesis and an oral defense thereof.

Completion of all work above in accordance with the procedures described in the Procedures, Requirements, and Standards Section

Master of Science in Electrical Engineering (MSEE, Non-thesis) Program

To receive the degree, Master of Science in Electrical Engineering, non-thesis, a student must complete, on a part-time or full-time basis, a minimum of 30 semester credit hours of approved graduate courses. There is no thesis requirement. A maximum of two courses (i.e., a maximum of 6 hours of coursework) taken from Course Categories A (Core) and B (Electives) can be replaced by an approved project to be completed under the supervision of a faculty member from the Electrical and Computer Engineering Department.



Specifically:

Core. A minimum of 18 hours of course work from 6000-level or higher ECE courses.

A maximum of 6 hours of 6000-level courses equivalent to 5000-level courses is allowed in this category.

All the courses in this category must be chosen from one of the four specialization areas, as described below.

Other courses may be used in this category only with the prior approval of the Director of Graduate Studies.

Electives. Three to six hours* of course work offered in the College of Engineering or in the College of Business Administration.

The non-ECE courses must be graduate level.

Courses in ECE must be at the 6000 level or higher.

In all cases, no credit will be given for courses that are equivalent to courses used in the student's undergraduate degree.

Business courses should be selected from the approved list (see below).

Other courses may only be used in this category with the prior approval of the Director of Graduate Studies.

Breadth. Six to nine hours* of course work outside of your chosen specialization area in the College of Engineering or in the College of Natural Sciences and Mathematics (NSM).

NSM courses must be at the graduate level and should be selected from the approved list (see below).

Other courses may only be used in this category with the prior approval of the Director of Graduate Studies.

*Elective and Breadth course hours must add up to 12 hours.

Special Projects

Special projects are sometimes initiated by an advisor or by the graduate director. These projects require a committee consisting of at least two regular, tenure-track, ECE faculty, one of which will serve as project advisor. A student desiring to complete a special project needs to identify a project advisor and committee member(s). The student should prepare a project description and secure approval from the committee members. A general petition, together with the approved project description, should be filed well in advance of the start of the semester in which the special project will take place. Once the Director of Graduate Studies has approved the project and project committee, the student may enroll in ECE 6393.

At the end of the semester, the student must prepare a written report, which must be successfully defended in the presence of the committee. If desired, and warranted by the progress made, the student may request to enroll in ECE 7393 for another semester to continue work on the project. This request should be petitioned by a general petition, accompanied by the approved progress report and a statement of work. Such requests must be made at least three weeks before the start of the semester.

Please use the special project request form.

Approved List Of Non-ECE Courses

College of Engineering

All courses at the 6000 level or higher unless approved by the Director of Graduate Studies.

College of Natural Sciences and Mathematics

All Graduate level courses, with the exception of the following:

COSC 6301, 6302, 6303, 6304, 6305, 6306, 6308, 6309, 6310

GEOL 6321, 6322

MATH 5310

PHYS 5311, 5312, 5397

College of Business Administration:

All courses at the 6000 level or higher, with the exception of any courses in General Business Administration (GENB).

Reminder: course(s) that do not receive a letter grade, but are graded S, U, or W will not be counted towards the degree plan.

Regarding the Industrial Power Systems (IPS) specialization, the department of Electrical and Computer Engineering also offers a non-thesis **online** MSEE program.



For detailed information on the online IPS program click [here](#).

Academic Policies

Department Academic Policies

Graduate Academic Policies: Cullen College of Engineering

University of Houston Academic Policies

Appropriate Coursework

Courses used to satisfy structured course requirements must receive a letter grade (i.e., *not* S, U, or W).

Some departments other than ECE offer graduate level courses (6000 or above) with similar content to ECE graduate courses. In those situations, ECE graduate students must take the ECE version of the course. If the ECE course in question is not offered around the time of the graduating semester, then the student may be allowed to take the non-ECE version by general petition. Please see related deadlines on the department calendar.

Graduate credit will not be awarded for both the ECE and non-ECE versions of a course.

Courses offered by other institutions, such as Rice University/UT Health, etc., may be taken with prior approval from both the student's advisor and the director of the graduate program if a similar class is not offered at UH. For permission to take a non-UH course, complete a general petition and an inter-institutional form, which are linked in our forms page.

Courses taken for personal enrichment will not count towards the degree and must be approved by the advisor and the Director of Graduate Studies prior to enrollment. Enrichment hours cannot be used to satisfy minimum enrollment requirements when an assistantship is being received.

Leveling Courses

Master's students who do not have a Bachelor of Science in Electrical or Computer Engineering must show competency in four areas:

Electronic devices

Circuit theory

Electromagnetics

Computers

Students may accomplish this through leveling coursework or by passing a core competency exam. The Graduate Admissions Committee will identify leveling requirements with the assistance of the thesis advisor.

Competence in each area can be demonstrated by passing the following course(s) with a grade of B or better, respectively:

- Circuit Analysis (ECE 2201 and ECE 2202) and its Laboratory (ECE 2100)
- Applied EM Waves (ECE 3317)
- Signal & System Analysis (ECE 3337)
- Electronics (ECE 3355)
- Microprocessor Systems (ECE 4436)



The graduate level courses Microwave engineering (ECE 5317) and Computer architecture (ECE 5367) may be taken in place of Applied EM Waves (ECE 3317) and Microprocessor Systems (ECE 4436), respectively, with instructor permission.

Dissertation and Thesis Guidelines

The Dissertation document is written as part of the Ph.D. degree program and the Thesis is written as part of the M.S. degree. The dissertation should be at such a level as to be a significant contribution to the field of knowledge in electrical and computer engineering, and worthy of publication in one of the recognized professional journals. This section describes the common elements in these documents and specifies any differences.

Here is a summary of the steps a student takes to complete this requirement.

Form a Thesis/Dissertation Committee

Write a Proposal and submit it to the Committee for approval. Ph.D. students must also defend their proposal orally

Prepare the Thesis/Dissertation document

Defend the Thesis/Dissertation in a public setting with an announcement filed at least two weeks prior to the defense

More details for each step are provided in the next sections.

Committee

The student should form a Thesis/Dissertation Committee with the Advisor as chair as soon as the research topic is selected.

A *Thesis Committee* must consist of at least three members, with

the advisor as chair,

at least one additional faculty members from the Electrical and Computer Engineering Department, and

at least one University of Houston tenure-track faculty member outside this Department.

A *Dissertation Committee* must consist of at least five members, with

the advisor as chair,

at least two additional faculty members from the Electrical and Computer Engineering Department, and

at least two University of Houston tenure-track faculty member outside this department.

In either case, the advisor can assist the student in forming an appropriate committee. A committee form must be submitted well before the proposal defense is scheduled since the committee must be approved by the Department and Dean's Office prior to the defense. A student need not be enrolled while requesting to form a committee but must be enrolled when the defense takes place.

Should changes to the committee membership be necessary, the student simply submits an updated committee form listing all committee members. Only the new member(s) have to sign the form, but please complete this at least two weeks prior to defending the proposal or the Thesis/Dissertation.

Proposal



Once the Thesis/Dissertation Committee has been formed and approved, the student should prepare and, for Ph.D. students, defend a Thesis/Dissertation Proposal. During the semester where the proposal submission takes place, the student must be enrolled in ECE 6399 (MSEE) or ECE 8399 (Ph.D.). The Thesis/Dissertation Committee will approve the proposal by signing the Proposal Form. This form, together with a copy of the proposal document, has to be submitted to the ECE Department by the deadline specified on the semester calendar. The forms for the Thesis/Dissertation Committee formation and the Thesis/Dissertation Proposal defense can be obtained from the Department of Electrical and Computer Engineering.

The proposal document should outline the scope of the research, and it should contain, at least, a statement of the objectives, a review of the relevant literature, and a description of the principal methods to be used. Copies of this proposal should be provided to the members of the Committee.

Since the Committee may request substantial changes in the research objectives, the proposal should be prepared during the early stages of the dissertation research. *In no case should a proposal and dissertation defense occur in the same semester.*

After the successful defense of the Thesis/Dissertation Proposal, students should register for ECE 7399 (MSEE) or continue to enroll in ECE 8399 (Ph.D.). MSEE students should ideally enroll in ECE 7399 during the semester in which the thesis is defended and in which the student plans to graduate. The student should adhere to the thesis submission deadlines posted on the department calendar. In case the student does not complete the thesis while enrolled in ECE 7399, he/she should enroll in research courses (ECE 6x98) in future semesters until the thesis is completed to the satisfaction of the committee.

Thesis/Dissertation Document

When most of the research has been completed, the student should describe the main results to the committee and describe plans for the contents and structure of the thesis/dissertation. A student may request that the members of the committee review and comment on a preliminary version of the dissertation. This procedure is encouraged since it should provide the student with ideas of how to enhance the quality of the dissertation and should facilitate its acceptance.

When preparing the Thesis/Dissertation, it is critical to follow the guidelines defined by the College of Engineering.

A student should provide the members of the committee with the final version of the dissertation *no later than two weeks prior to the dissertation presentation and defense*. The student should be aware that he/she may be required to make substantial changes in the dissertation in order to satisfy the requirements of the committee.

Thesis/Dissertation Defense

Each candidate is required to present and defend his/her thesis/dissertation at a public meeting and post an announcement with an abstract with the ECE office at least two weeks before defense date. Please check with the ECE Department for further details. The Thesis/Dissertation Committee will make the final judgment of the acceptance of the defense of the document.

The thesis/dissertation announcement is to let the public know that the student has completed successfully his/her research and that he/she is ready for graduation. The announcement must be distributed to all faculty and students. One additional copy must be submitted to the ECE Department for filing. Refer to the web site given for more information.

Note: The student may request that the members of the Thesis/Dissertation Committee review and comment on a preliminary version of the thesis. This practice is encouraged since it should provide the student with ideas on how to improve the quality of the thesis and should also facilitate its acceptance. The student is required to present the final draft of the thesis to the members of the committee no later than two weeks prior to the date of the thesis defense. The student should be aware that he/she may be required to make substantial changes, before and after the defense, in the thesis in order to satisfy the requirements of the committee.

Submission Form



Upon successful defense of the thesis, and once all signatures of the committee members have been obtained, the student must submit one copy of the thesis to the Director of Graduate Studies for review. A thesis submission form and this copy, together with the correct number of signature pages, must be submitted to the ECE front desk before the deadline stated in the Department calendar.

Obtaining ECE Department's Chair signature

Once the thesis has been approved by the director of graduate studies, thesis and official signature pages will be submitted to the chairman for his signature. The student will be notified by staff for pick up. Department process for thesis submission is now complete. Students must now submit the Department approved thesis submission form with appropriate documents to the Dean's office for review.

Official thesis submission for binding

The college web site provides instructions on how to submit the thesis once the dean's office has given approval for binding. Once the student is at this stage, he/she must submit a copy of the thesis binding agreement received from the Dean's office to the ECE Department so that appropriate letter grade(s) can be awarded.

Doctoral

Electrical Engineering, PhD

The PhD is a research-intensive degree that prepares students for a research and development career in industry or academia. Given the research focus of the PhD, applicants must have a deep affinity for their research topic and be fully committed to completing their degree and contributing to their discipline.

There are two paths to the PhD:

- Directly from BS to PhD, bypassing the MS degree, which is recommended for motivated, top-performing candidates with a clear idea of what they want to accomplish in their field of study.

- Obtaining a MS degree (at UH or elsewhere) prior to PhD studies. This is recommended for students who are still forming a clear vision of their future career objectives.

For more information, please visit the Electrical and Computer Engineering program website.

Admission Requirements

While there are no minimum test scores or GPA required for admission, most successful candidates meet the following criteria. We recommend that a lower score in one area be balanced by higher scores in another area.

- A Bachelor of Science (B.S.) or Master of Science (M.S.) degree in electrical or computer engineering or closely related field.
GPA \geq 3.3/4.0.

- Recommended GRE scores: Verbal of 151, Quantitative of 159, and Analytical Writing of 4.0.

- TOEFL of 92 or IELTS of 7 (Required if applicant does not have a degree from a US institution).

- Three letters of recommendation on official letterhead that includes the mailing address, phone number, and email address of the recommender.

Degree Requirements



Credit hours required for this degree: 72.0 (BS to PhD) or 54.0 (MS to PhD)

Students entering the program with a B.S. will follow the coursework requirements for the *B.S. to Ph.D. Degree Plan* while those entering with an M.S. will follow the *M.S. to Ph.D. Degree Plan*. The remaining requirements are identical for both programs.

Coursework for the **B.S. to Ph.D. Degree Plan**

All structured coursework must follow the Appropriate Coursework Standards

At least 72 semester hours of graduate credit beyond the BS, with at least 33 hours in structured course work, and at least 27 hours of research (ECE8x98) and 12 hours of dissertation (ECE 8399). Additionally,

All of the structured coursework must be at the 6000 level or higher.

At least 21 of the 33 hours of structured course work must be in ECE courses.

Non-ECE courses used to satisfy the structured course requirement must be related to the field of study and be approved by the student's advisor.

Non-ECE courses must be at the graduate level (6000 level or higher) unless approved by the Director of Graduate Studies.

Enrollment in a dissertation course (ECE 8399) is required during the semester the dissertation proposal is defended.

Coursework for the **M.S. to Ph.D. Degree Plan**

All structured coursework must follow the Appropriate Coursework Standards

At least 54 semester hours of graduate credit, of which at least 15 hours should be in structured course work and at least 27 hours in research (ECE8x98) and 12 hours of dissertation (ECE 8399). Additionally,

All of the 15 hours in structured coursework must be at the 6000 level or higher.

At least 9 of the 15 hours in structured coursework must be in ECE courses.

Non-ECE courses used to satisfy the structured course requirement must be related to the field of study and be approved by the student's advisor.

Non-ECE courses must be at the graduate level (6000 level or higher) unless approved by the Director of Graduate Studies.

No credit will be given for any course that is equivalent to a course taken in the student's undergraduate degree program.

Enrollment in a dissertation course (ECE 8399) is required during the semester the dissertation proposal is defended.

Fulfillment of the Breadth Coursework requirement.

Completion of the Qualifying Exam.

Preparation of a written dissertation and an oral defense thereof.

Completion of all work above in accordance with the procedures described in the Procedures, Requirements, and Standards Section

Academic Policies

University of Houston Academic Policies

Graduate Academic Policies: Cullen College of Engineering

Department Academic Policies

Appropriate Coursework

Courses used to satisfy structured course requirements must receive a letter grade (i.e., *not* S, U, or W).

Some departments other than ECE offer graduate level courses (6000 or above) with similar content to ECE graduate courses. In those situations, ECE graduate students must take the ECE version of the course. If the ECE course in question is not offered around the time of the graduating semester, then the student may be allowed to take the non-ECE version by general petition. Please see related deadlines on the department calendar.



Graduate credit will not be awarded for both the ECE and non-ECE versions of a course.

Courses offered by other institutions, such as Rice University/UT Health, etc., may be taken with prior approval from both the student's advisor and the director of the graduate program if a similar class is not offered at UH. For permission to take a non-UH course, complete a general petition and an inter-institutional form, which are linked in our forms page.

Courses taken for personal enrichment will not count towards the degree and must be approved by the advisor and the Director of Graduate Studies prior to enrollment. Enrichment hours cannot be used to satisfy minimum enrollment requirements when an assistantship is being received.

Breadth Coursework - Ph.D. only

Student must complete, with a B or better, at least two graduate level courses in Electrical and Computer Engineering outside their area of research. These courses should be selected from the following approved list. Courses completed by the student as an M.S. candidate, while at UH or elsewhere, will be considered.

Signal and Image Processing

ECE 6342 - Digital Signal Process **Credit Hours: 3.0**

ECE 6337 - Stochastic Processes in Signal Processing and Data Science **Credit Hours: 3**

ECE 6364 - Digital Imag Processing **Credit Hours: 3.0**

Applied Electromagnetics and Well-Logging

ECE 6340 - Intern Electromag Waves **Credit Hours: 3.0**

ECE 6351 - Microwave Engineering **Credit Hours: 3.0**

ECE 6352 - Antenna Engineering **Credit Hours: 3.0**

ECE 6382 - Engineering Analysis I **Credit Hours: 3.0**

Electronic Materials and Devices

ECE 6346 - Vlsi Design **Credit Hours: 3.0**

ECE 6358 - Optoelectronics and Photonics: Principles and applications **Credit Hours: 3.0**

ECE 6323 - Optical Fiber Communications **Credit Hours: 3.0**

Micro- and Nanofabrication

ECE 6309 - Microlithography for Micro-and Nano-system Manufacturing **Credit Hours: 3.0**

ECE 6314 - Nanoscale Design & Fabrication **Credit Hours: 3.0**

ECE 6348 - Material Science of Thin Films **Credit Hours: 3.0**

ECE 6466 - Integrtrd Circ Engr **Credit Hours: 4.0**

Control Systems

ECE 6325 - State-Space Control Systems **Credit Hours: 3.0**

ECE 6335 - Digital Contrl Systems **Credit Hours: 3.0**

ECE 6397 - Selected Topics **Credit Hours: 3**

Topic: Smart Grid Technology

Computer Engineering

ECE 6370 - Advanced Digital Design **Credit Hours: 3.0**

ECE 6336 - Intro to Architecture of RTOS and IoT **Credit Hours: 3**

ECE 6373 - Adv Computer Arch **Credit Hours: 3.0**

ECE 7373 - Adv Topics in Comp Arch **Credit Hours: 3.0**

Intelligent Systems

ECE 6376 - Digital Pattrn Recognntn **Credit Hours: 3.0**

ECE 6313 - Neural Networks **Credit Hours: 3.0**

Qualifying Examination - Ph.D. only



Ph.D. students must pass a qualifying exam (QE), consisting of an oral and/or written component. The exact format of the exam is defined by the research groups and the advisor will inform the student what format is to be used. The qualifying exam is to be administered prior to the *fourth* long semester for a B.S.-Ph.D. student and prior to the *third* long semester for a M.S.-Ph.D. student. The qualifying exam committee must be approved by the Director of Graduate Studies *before* the QE can take place. Once the QE has taken place, the Chair of the QE committee will inform the student and the Director of Graduate Studies on the outcome of the exam. If a student chooses to change advisors and has completed the qualifying exam, it is up to the new advisor to choose to accept the status or request that the student repeat the exam.

There are currently two exam formats, the General and the Electromagnetics formats. Please ask your advisor which you are to follow.

General Qualifying Exam Instructions

General Qualifying Exam Instructions

The exam committee will consist of the advisor and two additional members of the research group. The chair of the committee will be one of the members other than the advisor. The advisor, in consultation with the other committee members, will assign a small research project to the candidate, who may also receive an initial selection of relevant literature. The project should be assigned no later than the beginning of the semester in which the exam is to take place and should be designed to test the candidate's ability to independently conduct research at a level commensurate with his/her education.

The candidate will prepare a written report and an oral presentation of the project results. The advisor may provide feedback during the preparation of the written report, but the report should be substantially the student's own work. The report should include a critical review of the relevant literature, a statement of the problem, methods, results, and discussion. The length of the report should be similar to a standard journal paper. The report, copies of the most relevant literature, and a list of courses completed by the candidate should be given to the committee two weeks prior to the oral exam. The oral exam consists of a public presentation of the project, followed by a closed-door oral examination.

The candidate will either pass or fail the exam, and this decision, based on a majority vote of the committee, will be communicated to the candidate immediately after the conclusion of the exam. Failing students may request a second attempt. In that case, the committee will assign additional work, which should be completed (and presented) at the end of the next long semester. Should the student fail the second attempt as well, he/she will be dropped from the ECE department's Ph.D. program. Once the student passes, he/she may proceed with the preparation of the dissertation proposal. Please note that the student's dissertation advisor is not required to continue serving in that role after the student passes the qualifying exam.

Qualifying Exam Instructions for Students Studying Electromagnetics

The Applied Electromagnetics (EM) Group requires students do an oral examination as part of the department qualifying examination. As per department regulations, the exam should be taken before the end of the third semester of graduate work. The following guidelines should be followed in the administration of the exam.

The examination committee should consist of three or four faculty members, including the student's advisor and the Chair of the Committee (the chair should be different from the advisor).

The exam should test over material covered in the following courses:

General electro- and magneto-statics, electromagnetic waves, and applied mathematics

ECE 6340 (Intermediate Electromagnetic Waves)

ECE 6351 (Microwaves) or ECE 6352 (Antennas)

If the student has had both ECE 6351 and ECE 6352, then the student may choose which course the test will cover.

No materials are brought to the oral exam.



The oral exam normally lasts two hours, and is interactive between the committee members and the students. The outcome of the examination is either pass or fail, and this decision will be communicated to the candidate immediately after the conclusion of the oral exam. A majority vote is needed to pass the student (two out of three or three out of four). Students who fail the oral exam may request a second and final attempt, which must be taken before the end of the next long semester.

Grade Point Average and Minimum Performance

The *grade point average (GPA)* is computed as an average of *all* courses attempted at the university while enrolled in the graduate program. Graduate students must maintain an overall GPA of 3.0 or better in order to remain in good academic standing.

Should a student's GPA fall below the minimum, an academic stop will be placed on the student's record. Students must then seek assistance from their advisor to register and to have this stop removed when the GPA is greater than 3.0.

Minimum Cumulative Grade Point Average (GPA) for supported students Students must maintain a cumulative GPA of 3.0 or better in order to remain eligible for GATF or in-state tuition waivers, when applicable.

Minimum Cumulative Grade Point Average (GPA) for scholarship students Students must maintain a cumulative GPA of 3.0 or better in order to remain eligible for tuition waivers and scholarships.

Major Grade Point Average This average is computed for courses that apply to the degree and must be 3.0 or higher prior to applying for graduation.

Four C-rule The university has a specific rule regarding the maximum number of C+ or lower grades that a student may earn. The rule states,

A student who receives a grade of C+ or lower in 12 semester hours of credit attempt at this institution for graduate credit or for application toward the graduate degree, whether or not in repeated courses, is ineligible for any advanced degree at this institution and will not be permitted to re-enroll for graduate study.

Dissertation and Thesis Guidelines

The Dissertation document is written as part of the Ph.D. degree program and the Thesis is written as part of the M.S. degree. The dissertation should be at such a level as to be a significant contribution to the field of knowledge in electrical and computer engineering, and worthy of publication in one of the recognized professional journals. This section describes the common elements in these documents and specifies any differences.

Here is a summary of the steps a student takes to complete this requirement.

Form a Thesis/Dissertation Committee

Write a Proposal and submit it to the Committee for approval. Ph.D. students must also defend their proposal orally

Prepare the Thesis/Dissertation document

Defend the Thesis/Dissertation in a public setting with an announcement filed at least two weeks prior to the defense

More details for each step are provided in the next sections.

Committee

The student should form a Thesis/Dissertation Committee with the Advisor as chair as soon as the research topic is selected.



A *Thesis Committee* must consist of at least three members, with

the advisor as chair,

at least one additional faculty members from the Electrical and Computer Engineering Department, and

at least one University of Houston tenure-track faculty member outside this Department.

A *Dissertation Committee* must consist of at least five members, with

the advisor as chair,

at least two additional faculty members from the Electrical and Computer Engineering Department, and

at least two University of Houston tenure-track faculty member outside this department.

In either case, the advisor can assist the student in forming an appropriate committee. A committee form must be submitted well before the proposal defense is scheduled since the committee must be approved by the Department and Dean's Office prior to the defense. A student need not be enrolled while requesting to form a committee but must be enrolled when the defense takes place.

Should changes to the committee membership be necessary, the student simply submits an updated committee form listing all committee members. Only the new member(s) have to sign the form, but please complete this at least two weeks prior to defending the proposal or the Thesis/Dissertation.

Proposal

Once the Thesis/Dissertation Committee has been formed and approved, the student should prepare and, for Ph.D. students, defend a Thesis/Dissertation Proposal. During the semester where the proposal submission takes place, the student must be enrolled in ECE 6399 (MSEE) or ECE 8399 (Ph.D.). The Thesis/Dissertation Committee will approve the proposal by signing the Proposal Form. This form, together with a copy of the proposal document, has to be submitted to the ECE Department by the deadline specified on the semester calendar. The forms for the Thesis/Dissertation Committee formation and the Thesis/Dissertation Proposal defense can be obtained from the Department of Electrical and Computer Engineering.

The proposal document should outline the scope of the research, and it should contain, at least, a statement of the objectives, a review of the relevant literature, and a description of the principal methods to be used. Copies of this proposal should be provided to the members of the Committee.

Since the Committee may request substantial changes in the research objectives, the proposal should be prepared during the early stages of the dissertation research. *In no case should a proposal and dissertation defense occur in the same semester.*

After the successful defense of the Thesis/Dissertation Proposal, students should register for ECE 7399 (MSEE) or continue to enroll in ECE 8399 (Ph.D.). MSEE students should ideally enroll in ECE 7399 during the semester in which the thesis is defended and in which the student plans to graduate. The student should adhere to the thesis submission deadlines posted on the department calendar. In case the student does not complete the thesis while enrolled in ECE 7399, he/she should enroll in research courses (ECE 6x98) in future semesters until the thesis is completed to the satisfaction of the committee.

Thesis/Dissertation Document

When most of the research has been completed, the student should describe the main results to the committee and describe plans for the contents and structure of the thesis/dissertation. A student may request that the members of the committee review and comment on a preliminary version of the dissertation. This procedure is encouraged since it should provide the student with ideas of how to enhance the quality of the dissertation and should facilitate its acceptance.



When preparing the Thesis/Dissertation, it is critical to follow the guidelines defined by the College of Engineering.

A student should provide the members of the committee with the final version of the dissertation *no later than two weeks prior to the dissertation presentation and defense*. The student should be aware that he/she may be required to make substantial changes in the dissertation in order to satisfy the requirements of the committee.

Thesis/Dissertation Defense

Each candidate is required to present and defend his/her thesis/dissertation at a public meeting and post an announcement with an abstract with the ECE office at least two weeks before defense date. Please check with the ECE Department for further details. The Thesis/Dissertation Committee will make the final judgment of the acceptance of the defense of the document.

The thesis/dissertation announcement is to let the public know that the student has completed successfully his/her research and that he/she is ready for graduation. The announcement must be distributed to all faculty and students. One additional copy must be submitted to the ECE Department for filing. Refer to the web site given for more information.

Note: The student may request that the members of the Thesis/Dissertation Committee review and comment on a preliminary version of the thesis. This practice is encouraged since it should provide the student with ideas on how to improve the quality of the thesis and should also facilitate its acceptance. The student is required to present the final draft of the thesis to the members of the committee no later than two weeks prior to the date of the thesis defense. The student should be aware that he/she may be required to make substantial changes, before and after the defense, in the thesis in order to satisfy the requirements of the committee.

Submission Form

Upon successful defense of the thesis, and once all signatures of the committee members have been obtained, the student must submit one copy of the thesis to the Director of Graduate Studies for review. A thesis submission form and this copy, together with the correct number of signature pages, must be submitted to the ECE front desk before the deadline stated in the Department calendar.

Obtaining ECE Department's Chair signature

Once the thesis has been approved by the director of graduate studies, thesis and official signature pages will be submitted to the chairman for his signature. The student will be notified by staff for pick up. Department process for thesis submission is now complete. Students must now submit the Department approved thesis submission form with appropriate documents to the Dean's office for review.

Official thesis submission for binding

The college web site provides instructions on how to submit the thesis once the dean's office has given approval for binding. Once the student is at this stage, he/she must submit a copy of the thesis binding agreement received from the Dean's office to the ECE Department so that appropriate letter grade(s) can be awarded.

Leveling Courses

Master's students who do not have a Bachelor of Science in Electrical or Computer Engineering must show competency in four areas:

Electronic devices

Circuit theory

Electromagnetics



Computers

Students may accomplish this through leveling coursework or by passing a core competency exam. The Graduate Admissions Committee will identify leveling requirements with the assistance of the thesis advisor.

Competence in each area can be demonstrated by passing the following course(s) with a grade of B or better, respectively:

- Circuit Analysis (ECE 2201 and ECE 2202) and its Laboratory (ECE 2100)
- Applied EM Waves (ECE 3317)
- Signal & System Analysis (ECE 3337)
- Electronics (ECE 3355)
- Microprocessor Systems (ECE 4436)

Graduate Certificate

Power Electronics and Renewable Energy Technologies, Certificate

Cullen College of Engineering > Department of Electrical and Computer Engineering > Power Electronics and Renewable Energy Technologies, Certificate

The certificate program in Power Electronics and Renewable Energy Technologies focuses on power electronics, electric machines, adjustable drive systems, and renewable energy technologies. These courses are relevant to the industries such as oil and gas, power industries, utilities, and renewable energy. The primary audience for this certificate course includes a broad range of practicing engineers in the oil and gas industries, utilities, and power industries. These trained engineers should be able to apply the latest trends in power electronics related technologies, and be able to efficiently operate and manage complex power generation and control for various applications.

Certificate Requirements

Certificate Total: 9.0 Credit Hours

Core Courses

6.0 Credit Hours

ECE 6305 - Power Electronics Converters and Control **Credit Hours: 3**

ECE 6343 - Renewable Energy and Distributed Power Generation **Credit Hours: 3**

Elective Course Options

3.0 Credit Hours

ECE 6317 - Adjustable Speed Motor Drive Systems **Credit Hours: 3**

ECE 6319 - Dynamics of Electric Machines **Credit Hours: 3**

Academic Policies

University Academic Policies



Power Systems and Smart Grid, Certificate

Cullen College of Engineering > Department of Electrical and Computer Engineering > Power Systems and Smart Grid, Certificate

The certificate program in Power Systems and Smart Grid focuses on power systems and its protection and control, smart grid technologies, and substations. These courses are relevant to the industries such as oil and gas, power industries, utilities, and renewable energy. The primary audience for this certificate course includes a broad range of practicing engineers in the oil and gas industries, utilities, and power industries. The engineers trained through the proposed certification program should be able to apply the latest trends in smart-grid technologies and be able to manage a complex power generation, control and distribution system, and operate it efficiently. This will lead to uninterrupted electrical power for transmission and distribution to industrial and residential customers.

Certificate Requirements

Certificate Total: 9.0 Credit Hours

Core Courses

6.0 Credit Hours

PES 6332 - Smart Grid Systems **Credit Hours: 3.0**

Elective Course Options

3.0 Credit Hours

ECE 6329 - Power System Protection, Monitoring and Control **Credit Hours: 3**

PES 6336 - High Voltage Electrical Substations Design and Architecture **Credit Hours: 3.0**

Academic Policies

University Academic Policies

Graduate Academic Policies: Cullen College of Engineering

Department of Industrial Engineering

Graduate Program Overview

The Department of Industrial Engineering at the University of Houston offers graduate programs leading to:

Master of Industrial Engineering (MIE)

Master of Science in Industrial Engineering (MSIE)

MIE/MBA Concurrent Degree

Doctor of Philosophy in Industrial Engineering (PhD)



Our students typically draw upon the wide spectrum of expertise and resources available at the UH campus, including those of the other departments in the Cullen College of Engineering as well as the departments of Decision and Information Sciences, Mathematics, and Computer Science. Areas of study range from the traditional IE domains of reliability, facility location and layout design, automated manufacturing, safety, quality control and project management to topics such as large scale optimization, statistical analysis, simulation, systems engineering and heuristic optimization. Excellent library and computing facilities are available to support both instructional and research work.

Educational Background

The Industrial Engineering Department considers graduate admission applicants with a variety of undergraduate majors. However, all applicants are expected to have completed a minimal core of mathematics, science and engineering courses before admission can be granted. This core background is described below. Listed courses (or their equivalents) are required.

MATH 1431 - Calculus I
MATH 1432 - Calculus II
MATH 2433 - Calculus III
MATH 3321 - Engineering Math/Differential Equations
INDE 1331 - Computing for Engineers
INDE 2333 - Probability and Statistics I

Students who have completed all but six hours of the above core requirements and also satisfy all other admission requirements may be admitted for graduate study in Industrial Engineering. Completion of remaining core requirements remains a pre-requisite to graduate degree completion.

Domestic Graduate Application

Each applicant must submit the following:

Application Checklist - All documents must be uploaded BEFORE ADMISSIONS

Online Application

1 Official Transcript should be mailed to:

University of Houston
Graduate Admissions
P.O. Box 3947
Houston, Texas 77253-3947

1 Unofficial copy of Transcript (uploaded)

Resume (uploaded)

GRE scores - Valid for 5 years from the original date taken (Upload to University code 6870)

TOEFL scores - Valid for 2 years from the original date taken (University code is 6870) uploaded

IELTS scores - Valid for 2 years from the original date taken (University code is 6870)

3 Recommendation Letters - With e-mail addresses must be listed on the online application. At least two from former or current instructors who can comment on applicant's academic work in detail.

Statement of Purpose Essay (uploaded)

\$25 Application fee (cannot be waived) must be paid by credit card through online application website (not using VISA)

Residency Information (on the Application form)

Bacterial Meningitis (must be sent to the Admissions Office)

NOTE: If you have not taken or need to retake GRE and/or TOEFL, please contact:

University of Houston
Counseling and Testing



226 Student Service Center 1
Houston, Texas 77204-3026
Telephone: 713-743-5444

Please read the following carefully:

NO DECISION WILL BE MADE unless the application, fee, transcripts with ALL TERMS' grades posted, proof of degree earned, GRE are uploaded through your UH account and NOT SENT to the department.
Official GRE scores must be received by the University of Houston (NOT to the Department). 6870 campus institution code must be on them. Do not use our department code.
6870 code is for both University of Houston Central Campus at 4800 Calhoun and University of Houston-University Park at 4800 Calhoun, since they are one and the same.
If you are in the last term of your degree program, please request your transcript from your university and send it to the graduate school address (above); we must have the last term transcript as soon as possible as the final decision cannot be made without it. The awarded degree/diploma/degree certificate is required. If your institution issues a PROVISIONAL degree/diploma it is temporarily acceptable UNTIL the official original is received to the IE Department. It is mandatory that if you are approved for admission, your official original proof of degree awarded must be posted on our student records when you enroll in courses; if not, this will delay the review process when you apply for graduation.

Important Information to Remember:

ALL DOCUMENTS MUST BE UPLOADED, FAILURE TO UPLOAD ANY OR ALL DOCUMENTS LISTED IN THE ADMISSION PROCEDURE WILL RESULT IN THE DECISION BEING DELAYED.
FALL APPLICATION PROCESS WILL BEGIN IN LATE FEBRUARY.
SPRING APPLICATION PROCESS WILL BEGIN IN LATE OCTOBER.
ONCE ALL DOCUMENTS HAVE BEEN UPLOADED AND OFFICIAL TRANSCRIPTS HAVE BEEN SENT TO THE GRADUATE SCHOOL ADDRESS, PLEASE ALLOW THE DEPARTMENT TO CONTACT YOU THROUGH E-MAIL WITH YOUR DECISION. DO NOT CONTINUALLY E-MAIL ABOUT YOUR APPLICATION PACKAGE -- THAT WILL DELAY YOUR PROCESS.
TRANSCRIPT TO-DO LIST ITEM WILL BE REMOVED MANUALLY.

International Graduate Application

Each applicant must submit the following:

Application Checklist - All documents must be uploaded BEFORE ADMISSIONS:

Online Application

1 Official Transcript in English should be mailed to:

University of Houston
Graduate Admissions
P.O. Box 3947
Houston, Texas 77253-3947

ALL term coursework completed and ALL earned grades/marks posted. Note: Transcripts/mark sheets must come from the university that the college is affiliated with AND must be recognized as being an accredited institution by U of H - see next bullet.

It is mandatory that any institution attended which is not accredited for recognition by our university must have their country's Ministry of Education send a letter verifying the degree received is equivalent to a U.S. Bachelor of Science Degree -and- the institution attended is accredited for recognition by our university. You can also go to your country's consulate here for a letter verifying the same information. Please check on this to avoid delays in processing the paperwork.

Proof of Diploma, Degree, or Degree Certificate received IS REQUIRED IF not posted on official original transcripts.

1 Unofficial copy of Transcript in English (uploaded)

Resume (uploaded)



GRE scores - Valid for 5 years from the original date taken (Upload to University code 6870)

TOEFL scores - Valid for 2 years from the original date taken (University code is 6870) uploaded

IELTS scores - Valid for 2 years from the original date taken (University code is 6870)

3 Recommendation Letters - With e-mail addresses must be listed on the online application. At least two from former or current instructors who can comment on applicant's academic work in detail.

Statement of Purpose Essay (uploaded)

\$75 Application fee (cannot be waived) must be paid by credit card through online application website (not using VISA).

Financial Backing Form w/ Bank Statements (uploaded) if you are being supported please.

International Address Form (uploaded)

Bacterial Meningitis (must be sent to the Admissions Office)

Passport Copy (Uploaded)

Letter of Financial Backing - only valid for 6 months from the date written on them and the I-20 is not issued if the date is expired. (Uploaded)

Issuing of I-20 to the IE Department for the term you want to attend (Upload)

NOTE: If you have not taken or need to retake GRE and/or TOEFL, please contact:

University of Houston

Counseling and Testing

226 Student Service Center 1

Houston, Texas 77204-3026

Telephone: 713-743-5444

Please read the following carefully:

NO DECISION WILL BE MADE unless the application, fee, transcripts with ALL TERMS' grades/marks posted, proof of degree earned, GRE, TOEFL, are uploaded through your UH account and NOT SENT to the department.

Official GRE and TOEFL scores must be received by the University of Houston (NOT to the Department). IELTS Scores should be mailed DIRECTLY to the department.

6870 campus institution code must be on them. Do not use our department code.

6870 code is for both University of Houston Central Campus at 4800 Calhoun and University of Houston-University Park at 4800 Calhoun, since they are one and the same.

If you are in the last term of your degree program, please request your transcript from your university and send it to the graduate school address (above). We must have the last term transcript as soon as possible as the final decision cannot be made without it.

The awarded degree/diploma/degree certificate is required. If your institution issues a PROVISIONAL degree/diploma it is temporarily acceptable UNTIL the official original is received to the IE Department. It is mandatory that if you are approved for admission, your official original proof of degree awarded must be posted on our student records when you enroll in courses; if not, this will delay the review process when you apply for graduation.

Important Information to Remember:

ALL DOCUMENTS MUST BE UPLOADED, FAILURE TO UPLOAD ANY OR ALL DOCUMENTS LISTED IN THE ADMISSION PROCEDURE WILL RESULT IN THE DECISION BEING DELAYED.

FALL APPLICATION PROCESS WILL BEGIN IN LATE FEBRUARY.

SPRING APPLICATION PROCESS WILL BEGIN IN LATE OCTOBER.

ONCE ALL DOCUMENTS HAVE BEEN UPLOADED AND OFFICIAL TRANSCRIPTS HAVE BEEN SENT TO THE GRADUATE SCHOOL ADDRESS, PLEASE ALLOW THE DEPARTMENT TO CONTACT YOU THROUGH EMAIL WITH YOUR DECISION.

TRANSCRIPT TO-DO LIST ITEM WILL BE REMOVED MANUALLY.

Application Deadlines and Start of Classes



Further inquiries regarding admission deadlines should be directed to Ms. Cyrena Edwards or Dr. May Feng. Please refer to UH's academic calendar for start of classes and important dates.

Applicants	Application Deadlines
Applicants Living Overseas	April 1 for Fall
	September 1 for Spring
U.S. and Permanent Residents	April 15 for Fall
	September 15 for Spring

Tuition, Fees and Financial Support

Tuition and fee information can be found under Graduate Tuition & Fee. More information can be found under Student Financial Services (SFS).

Information can also be found on the University Web Page for any information related to graduate studies in the Industrial Engineering Department.

Financial support from the department, in the form of teaching or research assistantships, is only provided to Ph.D. students and it is highly competitive. Qualified graduate students are considered for an annual \$1,000 scholarship for the first year. This scholarship also waives the out-of-state tuition and pays in-state tuition and fees.

For further information on financial aid and scholarships offered to students, please refer to UH's website on Fellowships & Scholarships.

Master

Engineering Management, MA

The Department of Industrial Engineering at the Cullen College of Engineering offers a professional degree graduate program in Engineering Management (MEMGMT). The goal of the degree program is to:

- To meet the immediate need of local industries in trained engineering managers
- To address the need of integrating the engineering and management functions for high technology organizations
- To provide skills and the necessary knowledge to manage functions within manufacturing and service organizations. Masters in Engineering management is also a 30- credit hour graduate degree. A qualified student with B.S. degree can complete MEM (Course-Based) in 30 hours as given below:

Admission Requirements

This program is only for Domestic applicants.



Undergraduate degree in engineering, mathematics, computer science physical sciences. Applications with degrees in other disciplines will be considered on a case-by-case basis.

The Cullen College of Engineering requires a minimum of 3.0/4.0 G.P.A. over the last 60 semester hours or 90-quarter hours for the admission to the graduate programs.

A minimum of 3 years of engineering work experience in a responsible position with two letters of recommendations: one from an immediate supervisor and one from someone familiar with the candidate's academic performance.

Students who transfer from another graduate program must have at least a 3.0/4.0 G.P.A. on all graduate work completed.

Students are required to meet Graduate School English Proficiency Requirements.

Degree Requirements

Engineering Management, MEMGMT

The Masters of Engineering Management is a 30-credit hour graduate program of face-to-face and online classes. The Master of Engineering Management degree requires a minimum of 30 graduate credit hours, which is in line with other current Engineering Management programs within Texas and nationally. A cumulative grade point average of "B" or better is required to graduate.

Admission Requirements

Undergraduate degree in engineering or a degree in math, computer science or a physical science

The Cullen College of Engineering requires a minimum of 3.0/4.0 GPA over the last 60 semester hours or 90-quarter hours for the admission to the graduate programs.

3-5 years of engineering work experience in a responsible position with two letters of recommendations from immediate supervisor and someone familiar with the candidate's academic performance

Students who transfer from another graduate program must have at least a 3.0/4.0 GPA on all graduate work completed.

TOFEL, GRE or GMAT will be required for all International Students

Students without a BS in the above described discipline must take 2 leveling courses in mathematical modeling and probabilities and statistics.

Degree Requirements

Credit hours required for this degree: 30.0

A qualified student with a BS degree can complete the Master of Engineering Management (Course-Based) in 30 hours as given below:

Required Courses

Six required core courses in IE Department

IEEM 6330 - Managing Engineering Functions **Credit Hours: 3**

IEEM 6331 - Quantitative Methods for Engineering Management **Credit Hours: 3**

INDE 6332 - Egr Project Mgt **Credit Hours: 3.0**

IEEM 6335 - Engineering Management of Organizations **Credit Hours: 3**

IEEM 6360 - Data Analytics for Engr. Mgt **Credit Hours: 3**

INDE 6380 - Accounting for Engineering Managers **Credit Hours: 3**



Technical Courses

Two technical courses offered by Cullen College of Engineering

All technical courses must be approved by the Master of Engineering Management Program Director.

Management Courses

Two management courses from Bauer College of Business

MANA 6332 - Organizational Behavior & Management **Credit Hours: 3**

MANA 6383 - Strategic Management **Credit Hours: 3.0**

MANA 7329 - Behavioral Finance **Credit Hours: 3.0**

MANA 7330 - Employment Law & Labor Relations **Credit Hours: 3**

MANA 7334 - Management Development & Career Planning **Credit Hours: 3**

MANA 7336 - Strategic Human Resource Management **Credit Hours: 3**

MANA 7339 - Leadership Development **Credit Hours: 3.0**

MANA 7340 - Management of High Tech Organizations **Credit Hours: 3**

MANA 7341 - Strategic Management of Technology & Innovation **Credit Hours: 3**

MANA 7344 - Employee & Labor Relations **Credit Hours: 3**

MANA 7346 - Global Human Resource Management **Credit Hours: 3**

MANA 7347 - Managerial Ethics & Corporate Social Responsibility **Credit Hours: 3**

Academic Policies

University of Houston Academic Policies

Graduate Academic Policies: Cullen College of Engineering

Department Academic Policies

Industrial Engineering, MIE

Cullen College of Engineering > Department of Industrial Engineering > Industrial Engineering, MIE

The Master in Industrial Engineering (MIE) degree program is a coursework-based program that provides graduate-level education in the broad field of industrial engineering. The program offers graduate-level courses in operations research, statistics, manufacturing, quality and reliability engineering, project management, and systems engineering. Students in the MIE program do not need to complete a research thesis.

For more information, please visit the MIE Degree Program website.

Admission Requirements

The Cullen College of Engineering requires a minimum of 3.0/4.0 G.P.A. over the last 60 semester hours or 90-quarter hours for the admission to the graduate programs.

Students who transfer from another graduate program must have at least a 3.0/4.0 G.P.A. on all graduate work completed.

*Applicants must submit a complete graduate application including non-refundable application fee (\$25 domestic applicants/\$75 international applicants).



Applicants for all graduate programs must submit official GRE scores taken in the last five years.

International students must submit additional documentation and demonstrate English language proficiency. Full details, including minimum TOEFL scores, are found on the English Language Proficiency Requirements page.

A degree in an engineering discipline is recommended. However, applicants with degrees in closely related fields may be accepted to the graduate program subject to completion of leveling courses approved by the IE Graduate Program Director. The students must obtain a grade of B or better in all leveling courses. Note that leveling courses are not counted toward the graduate program course requirement.

Degree Requirements

Credit hours required for this degree: 30.0

30 semester hours of graduate courses are required for the MIE degree.

These requisite degree program hours are in addition to any leveling courses.

Students whose primary language is not English may be required to complete compulsory engineering communications course (INDE 6359). Engineering communications course is not required for the international students who scored 150 or higher on the verbal section of the GRE exam.

All MIE students must take INDE 6111 (graduate seminar course) at least once during their studies.

Students are required to take five core courses based on the following options:

Students are required to take the following two mandatory core courses:

INDE 6372 - Advanced Linear Optimization **Credit Hours: 3.0**

INDE 6333 - Probability Stat For Engineers **Credit Hours: 3.0**

Students are required to take at least one course from each of the following three categories:

CATEGORY 1

INDE 6321 - System Safety Engineering **Credit Hours: 3.0**

INDE 6337 - Human Factors Syst Dsgn **Credit Hours: 3.0**

INDE 6365 - Engineering Economy II **Credit Hours: 3.0**

CATEGORY 2

INDE 6336 - Reliability Engineering **Credit Hours: 3.0**

INDE 6363 - Statistical Process Control **Credit Hours: 3.0**

INDE 6370 - Operation Research-Digital Simulation **Credit Hours: 3.0**

CATEGORY 3

INDE 6361 - Prod Planning & Invent Control **Credit Hours: 3.0**

INDE 6383 - Engineering Design and Prototyping **Credit Hours: 3.0**

INDE 7390 - Supply Chain Management **Credit Hours: 3.0**

15 additional hours of graduate-level courses in industrial engineering, as approved by the program advisor.

Academic Policies

Graduate Academic Policies: Cullen College of Engineering

University of Houston Academic Policies

Industrial Engineering, MSIE



The Master of Science in Industrial Engineering (MSIE) degree program is a thesis-based program that provides graduate-level education in the broad field of industrial engineering. The program offers graduate-level courses in operations research, statistics, manufacturing, quality and reliability engineering, project management, and systems engineering. Students in the MSIE program are required to complete a research thesis.

Please visit the MSIE Degree Program page for more information.

Admission Requirements

The Cullen College of Engineering requires a minimum of 3.0/4.0 G.P.A. over the last 60 semester hours or 90-quarter hours for the admission to the graduate programs.

Students who transfer from another graduate program must have at least a 3.0/4.0 G.P.A. on all graduate work completed.

*Applicants must submit a complete graduate application including non-refundable application fee (\$25 domestic applicants/\$75 international applicants).

Applicants for all graduate programs must submit official GRE scores taken in the last five year.

International students must submit additional documentation and demonstrate English language proficiency. Full details, including minimum TOEFL scores, are found on the English Language Proficiency Requirements page.

A degree in an engineering discipline is recommended. However, applicants with degrees in closely related fields may be accepted to the graduate program subject to completion of leveling courses approved by the IE Graduate Program Director. The students must obtain a grade of B or better in all leveling courses. Note that leveling courses are not counted toward the graduate program course requirement.

Degree Requirements

Credit hours required for this degree: 30.0

30 semester hours of graduate courses are required for the MIE degree. This includes 21 hours of course work, 3 hours of research, and 6 hours of thesis.

These requisite degree program hours are in addition to any leveling courses.

Students whose primary language is not English may be required to complete compulsory engineering communications course (INDE 6359). Engineering communications course is not required for the international students who scored 150 or higher on the verbal section of the GRE exam.

All MIE students must take INDE 6111 (graduate seminar course) at least once during their studies.

Students are required to take five core courses based on the following options:

Students are required to take the following two mandatory core courses:

INDE 6372 - Advanced Linear Optimization **Credit Hours: 3.0**

INDE 6333 - Probability Stat For Engineers **Credit Hours: 3.0**

INDE 6337 - Human Factors Syst Dsgn **Credit Hours: 3.0**

INDE 6365 - Engineering Economy II **Credit Hours: 3.0**

CATEGORY 2

INDE 6336 - Reliability Engineering **Credit Hours: 3.0**

INDE 6363 - Statistical Process Control **Credit Hours: 3.0**

INDE 6370 - Operation Research-Digital Simulation **Credit Hours: 3.0**

CATEGORY 3



INDE 6361 - Prod Planning & Invent Control **Credit Hours: 3.0**
INDE 6383 - Engineering Design and Prototyping **Credit Hours: 3.0**
INDE 7390 - Supply Chain Management **Credit Hours: 3.0**

15 additional hours of graduate-level courses in industrial engineering, as approved by the program advisor.

Academic Policies

Thesis Advisory Committee for M.S. Candidates

The candidate must select a thesis advisory committee as soon as possible, but no later than the end of the first academic year. The advisory committee must be approved by the IE Director of Graduate Programs and the IE Department Chair.

The advisory committee must be composed of at least three faculty members, of which at least two must be from the IE department at UH.

The Director of Graduate Programs and the IE Department Chair must approve any subsequent changes in this advisory committee.

A formal thesis proposal must be submitted to the Advisory Committee and the Director of Graduate Programs within one term after the Advisory Committee is selected and approved.

The thesis draft should be prepared, submitted, and defended to the thesis advisory committee. The final thesis must be submitted and approved by the thesis advisory committee, the Director of Graduate Programs and the IE Department Chair.

The guidelines for thesis preparation and submission deadlines can be found [here](#).

Graduate Academic Policies: Cullen College of Engineering

University of Houston Academic Policies

Doctoral

Industrial Engineering, PhD

The PhD degree program in Industrial Engineering provides doctoral students with rigorous academic preparation for positions in both academia and the private or public sector. In addition to required coursework, students conduct independent research that results in original scholarly work.

For more information, please visit the [Industrial Engineering PhD Degree Program page](#).

Admission Requirements

The Cullen College of Engineering requires a minimum of 3.0/4.0 G.P.A. over the last 60 semester hours or 90-quarter hours for admission to the graduate programs.

Students who transfer from another graduate program must have at least a 3.0/4.0 G.P.A. on all graduate work completed.

Complete application & payment of application fee (\$25 domestic/\$75 international) must be completed via the online application found on the [How to Apply to UH Graduate School](#).

Applicants for all graduate programs must submit official GRE scores.

The applicant must meet English language proficiency requirements, either via degree completion in the US or another certified English-speaking nation, or via submission of TOEFL/IELTS scores. Full details are found on the [International Graduate Students website](#).



All Ph.D. applicants should have completed an appropriate Master's program with thesis or demonstrated ability for research and technical writing. Students who have not written a thesis will be required to demonstrate such capabilities through work at UH. Highly qualified students with a BS degree can also be considered for our Ph.D. program.

A degree in an engineering discipline is recommended. However, applicants with degrees in closely related fields may be accepted to the graduate program subject to completion of leveling courses approved by the IE Graduate Program Director. The students must obtain a grade of B or better in all leveling courses. Note that leveling courses are not counted toward the graduate program course requirement.

Educational Background

The Industrial Engineering Department considers graduate admission applicants with a variety of undergraduate majors. However, all applicants are expected to have completed a minimal core of mathematics, science and engineering courses before admission can be granted. This core background is described below. Listed courses (or their equivalents) are required.

- MATH 1431 Calculus I
- MATH 1432 Calculus II
- MATH 2433 Calculus III
- MATH 3321 Engineering Math / Differential Equations
- INDE 1331 Computing for Engineers
- INDE 2333 Probability & Statistics I

Students who have completed all but six hours of the above core requirements and also satisfy all other admission requirements may be admitted for graduate study in Industrial Engineering. Completion of remaining core requirements remains a pre-requisite to graduate degree completion.

Degree Requirements

Credit hours required for this degree: BS to PhD, 72.0; MA to PhD, 54.0

PhD Degree Programs in the Cullen College of Engineering

Degree Completion Requirements (BS to PhD)		SCH
Minimum credit hours required excluding seminars		72.0
Minimum approved core credit hours		36.0
Minimum research hours		24.0
Dissertation hours		12.0

Degree Completion Requirements (Masters in IE to PhD)		SCH
Minimum credit hours required excluding seminars		54.0



Degree Completion Requirements (Masters in IE to PhD)	SCH
Minimum approved core credit hours	24.0
Minimum Research hours	18.0
Dissertation hours	12.0

List of the IE Graduate Courses and Research Areas

Operations Research

- INDE 6333 - Probability Stat For Engineers **Credit Hours: 3.0**
- INDE 6364 - Experimental Design and Regression **Credit Hours: 3.0**
- INDE 6370 - Operation Research-Digital Simulation **Credit Hours: 3.0**
- INDE 6372 - Advanced Linear Optimization **Credit Hours: 3.0**
- INDE 7340 - Integer Programming **Credit Hours: 3.0**
- INDE 7342 - Nonlinear Optimization **Credit Hours: 3.0**
- INDE 7397 - Selected Topics **Credit Hours: 3**

Topic(s)

Stochastic Processes

Manufacturing and Production Systems

- INDE 6333 - Probability Stat For Engineers **Credit Hours: 3.0**
- INDE 6336 - Reliability Engineering **Credit Hours: 3.0**
- INDE 6339 - Materials Handling **Credit Hours: 3.0**
- INDE 6361 - Prod Planning & Invent Control **Credit Hours: 3.0**
- INDE 6363 - Statistical Process Control **Credit Hours: 3.0**
- INDE 6364 - Experimental Design and Regression **Credit Hours: 3.0**
- INDE 6370 - Operation Research-Digital Simulation **Credit Hours: 3.0**
- INDE 6372 - Advanced Linear Optimization **Credit Hours: 3.0**
- INDE 6383 - Engineering Design and Prototyping **Credit Hours: 3.0**
- INDE 7397 - Selected Topics **Credit Hours: 3**

Topic(s)

Manufacturing Systems

Engineering Management

- INDE 6323 - Economics of Disaster **Credit Hours: 3.0**
- INDE 6332 - Egr Project Mgt **Credit Hours: 3.0**
- INDE 6333 - Probability Stat For Engineers **Credit Hours: 3.0**
- IEEM 6335 - Engineering Management of Organizations **Credit Hours: 3**
- INDE 6361 - Prod Planning & Invent Control **Credit Hours: 3.0**
- INDE 6365 - Engineering Economy II **Credit Hours: 3.0**
- INDE 6372 - Advanced Linear Optimization **Credit Hours: 3.0**



INDE 6386 - Innovation Management and Entrepreneurship **Credit Hours: 3**
INDE 7383 - Systems Engineering **Credit Hours: 3.0**
INDE 7397 - Selected Topics **Credit Hours: 3**

Topic(s)

Stochastic Processes
Decision Making in Public Safety Management

Distribution & Logistics

INDE 6333 - Probability Stat For Engineers **Credit Hours: 3.0**
INDE 6336 - Reliability Engineering **Credit Hours: 3.0**
INDE 6339 - Materials Handling **Credit Hours: 3.0**
INDE 6361 - Prod Planning & Invent Control **Credit Hours: 3.0**
INDE 6363 - Statistical Process Control **Credit Hours: 3.0**
INDE 6365 - Engineering Economy II **Credit Hours: 3.0**
INDE 6372 - Advanced Linear Optimization **Credit Hours: 3.0**
INDE 6386 - Innovation Management and Entrepreneurship **Credit Hours: 3**
INDE 7340 - Integer Programming **Credit Hours: 3.0**
INDE 7390 - Supply Chain Management **Credit Hours: 3.0**
INDE 7397 - Selected Topics **Credit Hours: 3**

Topic(s)

Stochastic Processes
Operations Management & Supply Chain

Ergonomics/Occupational Safety/Human Factors Engineering

INDE 6321 - System Safety Engineering **Credit Hours: 3.0**
INDE 6333 - Probability Stat For Engineers **Credit Hours: 3.0**
INDE 6336 - Reliability Engineering **Credit Hours: 3.0**
INDE 6337 - Human Factors Syst Dsgn **Credit Hours: 3.0**
INDE 6365 - Engineering Economy II **Credit Hours: 3.0**
INDE 6372 - Advanced Linear Optimization **Credit Hours: 3.0**
INDE 6397 - Selected Topics **Credit Hours: 3.0**

Topic(s)

Environmental Health and Safety

Academic Policies

University of Houston Academic Policies
Graduate Academic Policies: Cullen College of Engineering
Department Academic Policies

Dissertation Advisory Committee

The candidate must select a dissertation advisory committee, whose composition is subject to the approval of the IE Graduate Program Director and the IE Department Chair.



The advisory committee must be composed of at least five faculty members, including at least three members from the IE department and two faculty members outside the department.

The IE Graduate Program Director and the IE Department Chair must approve any subsequent changes to the composition of this committee.

Students are not allowed to change committee members without the permission of the Ph.D. Program Director and the department chair. A formal petition must be submitted to the department for changing Ph.D. committee members.

Formal Dissertation Proposal

A formal written dissertation proposal must be submitted to the dissertation advisory committee in a timely manner after completing the Ph.D. screening examination. The student should provide committee members with a copy of the proposal approximately two weeks before the scheduled presentation.

Dual Degree - Graduate

Industrial Engineering, MIE/MBA

Cullen College of Engineering > Department of Industrial Engineering > Industrial Engineering, MIE/MBA

The Cullen College of Engineering and the C. T. Bauer College of Business at the University of Houston offer a concurrent degree program that enables students to prepare for careers in which the understanding of both engineering science and business studies is critical. This program provides students with the opportunity to complete the degree requirements for the Master of Business Administration and the Master of Industrial Engineering in a shorter period of time than if the two degrees were pursued separately.

For more information, please visit the [MIE/MBA Concurrent Degree Program page](#).

Admission Requirements

Students applying for the combined MBA/MIE program are required to have a Bachelor's Degree from an accredited program in engineering.

Students interested in the MIE/MBA concurrent degree program must follow the separate application procedures for admission to the MBA program and the MIE program. Students must be admitted to each of the programs and admission to one has no official bearing upon admission to the other. Upon acceptance, enrollment in both the Cullen College of Engineering (MIE) and the C. T. Bauer College of Business (MBA) academic programs should occur within a period of one year.

Upon acceptance by each program, the applicant must petition the MIE/MBA Directors for admissions to the concurrent degree program. Each school will have a designated Director for the MIE/MBA program to provide academic advising for concurrent degree program students.

For more on the application process, please visit the [How to Apply to UH Graduate School web page](#).

Degree Requirements

Credit hours required for this degree: 30.0



The MIE/MBA course requirements for this degree objective are the same as for the MIE, except that up to four courses from the C. T. Bauer College of Business are accepted as electives. The intent of this program is that, upon completion of the requirements for each degree, the student shall be awarded the two degrees simultaneously.

Academic Policies

Graduate Academic Policies: Cullen College of Engineering

University of Houston Academic Policies

Department of Mechanical Engineering

The Department of Mechanical Engineering has an active graduate program encompassing advanced study and research in the major areas of dynamics and controls, fluid mechanics and heat transfer, materials science and engineering, and theoretical and computational mechanics. Current research topics include:

computational fluid dynamics applied to problems ranging from the circulatory system and to the dynamics of offshore platforms;

control of complex systems such as engine exhaust after-treatment, orbiting spacecraft, and structures built from smart materials;

health monitoring and design optimization applied to a range of structures from micro-scale devices to bridges;

biomedical research into biosensing, micro-scale bioreactors and health prognostics of the cardiovascular system;

experimental studies of turbulent flows occurring in energy systems and two-phase flows in micro-scale heat exchangers.

Research activities in nanomechanics include:

structure-property relationships

strain-quantum behavior in quantum dots

nanoscale piezoelectricity

the application of magnetic nanostructures to sensors and biomedical devices.

Our materials engineering activities are driven by applications of composite materials to wind turbines and off-shore structures, ceramic components for aerospace systems, and superconducting materials for imaging and energy systems.

Materials Science and Engineering Program

The Materials Science and Engineering Program at the University of Houston is an interdisciplinary program with faculty from Mechanical, Chemical and Electrical Engineering Departments. In addition, significant collaboration occurs with the materials faculty in the College of Natural Sciences and Mathematics. The principal objectives of the materials engineering program may be summarized as follows: to study the mechanical, optical, electrical and electronic behavior of engineering and engineered materials used in all engineering applications. The specific areas covered by this program range from metallic alloys, polymers, ceramics and composites for advanced mechanical/aerospace engineering applications to thin films and coatings for electronics and superconducting ceramics for energy-related applications.

More information about the Materials Science and Engineering Program and degrees offered.



Subsea Engineering Program

Offshore petroleum exploration and production is an increasingly important source of energy, as well as an important driver of the Texas economy. There are billions of barrels of oil and trillions of cubic feet of natural gas predicted to lie within federally controlled waters in the Gulf, including the state of Texas. The curricula content of Subsea Engineering will provide a scientific and technical skillset necessary to create the first generation of Subsea Engineering. The Subsea Engineering curriculum is the first of its kind in the United States and one of only a handful abroad.

More information about the Subsea Engineering Program and degrees offered.

Master

Aerospace Engineering, MS

The Houston area is recognized nationally for the strength of its aerospace-oriented companies and its proximity to the NASA Johnson Space Center. The Aerospace Program offers the opportunity for graduate study to those employed or seeking employment in the aerospace field to help them advance in the technical track of this profession. The Aerospace Engineering Program at UH provides graduate education in Aerospace Engineering to those interested in acquiring advanced knowledge, conducting research and pursuing careers in this field. The program offers the opportunity for full-time or part-time graduate study to those employed or seeking employment in Aerospace Engineering to help them advance in the technical track of the profession. This is an interdisciplinary program taught by faculty in the Mechanical Engineering Department with assistance from other colleges and departments at UH.

For more information, please visit: <http://aerospace.egr.uh.edu/about-us/overview>.

Admission Requirements

Admission into the MS program is based on a competitive combination of the following:

- academic background
- Graduate Record Examination (GRE) scores
- letters of recommendation
- statement of purpose

Additional documentation for international applicants, including English language proficiency requirements, can be found on the Graduate School website. An undergraduate grade point average (GPA) of at least 3.0 out of 4.0 is required on the last 60 semester credit hours attempted, exclusive extracurricular credits. While there is no minimum required GRE score, average scores for the 2011 - 2015 admission classes for all programs are 157 on the Quantitative section and 156 on the Verbal section.

In special cases, conditional admission may be granted to a student who is not clearly competitive in all areas; however, conditional admission is not available to non-immigrant visa holders. While letters of recommendation from industrial supervisors are accepted, letters from faculty members who have observed the academic performance of the applicant are preferred.

Degree Requirements

Credit hours required for this degree: 30.0

The MS degree has two options: non-thesis and thesis. The MS non-thesis option degree consists of a minimum of thirty term hours of graduate course work. Eighteen of these semester hours should be completed with courses in the following core areas:



Aerodynamics and Heat Transfer,
Structural Mechanics and Materials, and
Controls and Dynamics.

Approved courses in these core areas are listed below under the Courses heading. Students can select a core area of concentration where they take the majority of their core courses. However, as a breadth requirement, students should take at least six term hours of core course work outside their core area of concentration. The remaining twelve semester hours of graduate work should be completed with courses from the above core areas or from approved graduate elective courses listed under the Courses heading. The course work should be selected with the approval of the Aerospace Engineering Program Director. The MS thesis option degree consists of a minimum of twenty-one term hours of course work and nine term hours of thesis work. As in the non-thesis option, eighteen of the course work term hours should be completed in the core areas (A), (B), and (C) with at least six term hours of core course work outside the core area of concentration. The remaining three hours of course work should be completed with a course from the approved elective courses or the core courses. For the M.S. thesis option the course work should be selected based on the recommendations of the student's thesis advisor. For both MS degree options a maximum of six hours of course work may be completed at the 5000 level.

The MS degree requirements are summarized below with the numbers representing semester credit hours.

	Core*	Designated Electives	Thesis or Dissertation Research	Total
MS (non-thesis)	18.0	12.0	0	30.0
MS (thesis)	18.0	3.0	9.0/0	30.0

*At least six term hours should be completed outside a core area of concentration.

The following list shows the approved core courses divided by areas.

Core Area A: Aerodynamics and Heat Transfer

- MECE 5312 - Computational Fluid Dynamics I **Credit Hours: 3.0**
- MECE 5361 - Introduction to Compressible Flow **Credit Hours: 3.0**
- MECE 5363 - Fluid Mechanics **Credit Hours: 3.0**
- MECE 6333 - Conduction and Radiation **Credit Hours: 3.0**
- MECE 6334 - Convection Heat Transfr **Credit Hours: 3.0**
- MECE 6343 - Boundary Layers **Credit Hours: 3.0**
- MECE 6349 - Hydro/Aerodynamics **Credit Hours: 3.0**
- MECE 6353 - Intro Comp Fluid Dynam **Credit Hours: 3.0**

Core Area B: Structural Mechanics and Materials

- MECE 5307 - Fracture of Structural Materials **Credit hours: 3.0**
- MECE 5332 - Introduction to Continuum Mechanics **Credit hours: 3.0**
- MECE 5371 - Vibration Analysis **Credit hours: 3.0**
- MECE 6320 - Composite Materials **Credit Hours: 3.0**
- MECE 6321 - Polymer Materials & Mechanics **Credit Hours: 3.0**
- MECE 6322 - Polymer Viscoelstcty & Failure **Credit Hours: 3.0**
- MECE 6361 - Mechanical Behavior/Materials **Credit Hours: 3.0**
- PHYS 6378 - Advanced Statistical Mechanics **Credit Hours: 3**
- MECE 6377 - Continuum Mechs I **Credit Hours: 3.0**
- MECE 6382 - Theory of Elasticity **Credit Hours: 3.0**



MECE 6387 - Intelligent Structural Systems **Credit Hours: 3.0**
MECE 7320 - Micromechanics of Composites **Credit Hours: 3.0**
MECE 7321 - Mech of Composite Matls & Stru **Credit Hours: 3.0**
MECE 7322 - Damage & Failure Mech of Comp **Credit Hours: 3.0**

Core Area C: Controls and Dynamics

MECE 6367 - Control System Analysis and Design **Credit Hours: 3.00**
MECE 6388 - Optimal Control Theory **Credit Hours: 3.0**
MECE 6389 - Matrix Inequality Control **Credit Hours: 3.0**
ECE 6325 - State-Space Control Systems **Credit Hours: 3.0**
ECE 6335 - Digital Contrl Systems **Credit Hours: 3.0**
ECE 6390 - Lin Multivar Contrl Sys **Credit Hours: 3.0**
PHYS 6309 - Advanced Mechanics I **Credit Hours: 3.0**
PHYS 7311 - Advanced Mechanics II: Nonlinear Dynamics **Credit Hours: 3**
PHYS 7308 - Space & Atmospheric Physics **Credit Hours: 3.0**
PHYS 7367 - Advanced Space Physics **Credit Hours: 3**

Elective Courses

The following list shows approved elective courses of the program. Other graduate elective courses can be applied to the program subject to the approval of the Program Director.

CIVE 6349 - Structural Reliability **Credit Hours: 3.0**
ECE 6313 - Neural Networks **Credit Hours: 3.0**
ECE 6331 - Advanced Telecommunications **Credit Hours: 3.0**
ECE 6333 - Signal Detec & Est Thry **Credit Hours: 3.0**
ECE 6336 - Intro to Architecture of RTOS and IoT **Credit Hours: 3**
ECE 6337 - Stochastic Processes in Signal Processing and Data Science **Credit Hours: 3**
ECE 6342 - Digital Signal Process **Credit Hours: 3.0**
INDE 6332 - Egr Project Mgt **Credit Hours: 3.0**
IEEM 6335 - Engineering Management of Organizations **Credit Hours: 3**
INDE 6336 - Reliability Engineering **Credit Hours: 3.0**
INDE 6337 - Human Factors Syst Dsgn **Credit Hours: 3.0**
INDE 6364 - Experimental Design and Regression **Credit Hours: 3.0**
INDE 6370 - Operation Research-Digital Simulation **Credit Hours: 3.0**
PHYS 6303 - Methods of Mathematical Physics I **Credit Hours: 3.0**
PHYS 6354 - Methods of Mathematical Physics II **Credit Hours: 3**
PHYS 7324 - Plasma Physics **Credit Hours: 3.0**

Academic Policies

University Academic Policies
Graduate Academic Policies: Cullen College of Engineering

Department/Program Policies



A student must meet the requirements listed below for continued enrollment in, and successful completion of the program. These requirements are in addition to the general requirements of the University as given in the Graduate and Professional Studies Catalog.

Degree plans must be approved by the Program Director and must meet the specific requirements listed in this document for the degree program.

Masters students supported as Research Assistants must be enrolled in a minimum of 9 credit hours in each long term.

Only full-time students are eligible to receive financial support from the University in the form of scholarships, academic fellowships, teaching fellowships or assistantships, research fellowships or assistantships, or other comparable forms of support.

Up to 6 credit hours of course work may be transferred from another institution with the approval of the Program Director.

Materials Science and Engineering, MS

Our main goal is to develop leadership in academia, government, and industry nationally and globally. The importance of global scientific, social, and cultural interaction and the demands of the dynamic, ever-changing global healthcare economy have been strongly emphasized in our undergraduate and graduate programs. The research in the graduate program focuses on three main areas, neural, cognitive, and rehabilitation engineering, biomedical imaging, and bionanoscience.

The Master of Science (MS) Program offers a thesis and a non-thesis track. The MS with a thesis degree is a research-oriented degree that requires the selection of a faculty advisor. Selection of an advisor is critical to completing the degree and therefore should be done as soon as possible.

For more information, please visit the Materials Science and Engineering website: <http://materials.egr.uh.edu/>.

Admission Requirements

The graduate programs are open to all qualified individuals with a Bachelor of Science (BS) or Masters of Science (MS) in Engineering, Materials Science, Metallurgy, Physics, Chemistry, Geology or related field.

Students must meet or exceed these requirements in order for their application to be reviewed.

BS Degree: Materials Science or related field

GPA: 3.00/4.00 on last 60 hours or Graduate hours if hold MS degree

Recommended GRE*: (Current scale) Q-159, V-150 (Prior scale) Q-750, V-450

(International Applicants) TOEFL: PBT- 580, CBT- 236, IBT- 92

(International Applicants) IELTS: 7.0

**These scores reflect those of a competitive applicant but admission into our program is based on a holistic review of your application.*

Course Requirements

Upon admission, students with degrees in related fields will be evaluated on a case-by-case basis and may be required to take additional leveling courses. These leveling courses do not count towards the graduate degree. Generally, every graduate student should have taken:

2 years of Calculus (through differential equations)

1 year of Engineering Physics (calculus based physics)

1 year of Biology

1 year of Chemistry

Acceptance into the program is based on a competitive combination of academic background, GRE scores, recommendation letters, resume, and the statement of purpose. The Checklists below list all requirements for the Application Submission:



Applicant Checklist

UH Graduate School Application

Non-refundable Application Fee (cannot be waived) - \$25 domestic applicants; \$75 international applicants

Official Transcripts from all colleges and universities you have attended (Scanned copies of official transcripts can be uploaded as PDF files and may be used to make admission decisions. If admitted, however, you will not be able to enroll without the official transcript(s) showing undergraduate degree conferral on file.)

GRE scores (University code is 6870)

Statement of Purpose (Upload into Application)

Resume/CV (Upload into Application)

3 Letters of Recommendation (Submit emails within the Application and forms will be sent to Recommenders)

International applications have additional documentation requirements, including fulfilling English language proficiency requirements with either degree completion or submitted test scores. For more information, visit www.uh.edu/graduate-school/admissions/international-students/.

Note: When preparing your Resume/CV and Personal Statement for submission, please be sure to highlight your past research, current research interests, and UH Biomedical Engineering faculty that you are interested in working with. There is no prompt or length requirement for the statement of purpose.

For more information about the Graduate School Admissions, please visit: <http://www.uh.edu/graduate-school/prospective-students/how-to-apply/index.php>.

Degree Requirements

Credit hours required for this degree: 30.0

Program Study for the MS in Materials Science and Engineering with Thesis

The program requires the completion of a minimum of 30 credit hours of approved graduate work distributed as follows:

Six (6) hours of core course:

Three (3) hours in each of the two categories:

Thermodynamics and

Introduction to Materials

Nine (9) hours of concentration recommended/assigned by the academic advisor

Six (6) hours of additional Materials Science and Engineering coursework

Three (3) research credits (6x98)

Six (6) hours of thesis credits (6399 and 7399)

Seminar attendance (required with excess research enrollment)

Program Study for the MS in Materials Science without Thesis

The program requires the completion of a minimum of 30 credit hours of approved coursework distributed as follows:

Six (6) hours of core course:

Three (3) hours in each of the two categories:

Thermodynamics and

Introduction to Materials

Nine (9) hours of additional Materials Science and Engineering coursework



Eighteen (18) hours of coursework offered by the College of Engineering

Seminar

MTLS 6111 - Materials Engineering Seminar **Credit Hours: 1.0**

The Seminar Course is not a traditional lecture/lab course.

MTLS 6111 is a professional development opportunity aimed at engaging students outside of the classroom by bringing in professionals within the field as well as an opportunity for students to present their research endeavors.

Students are required to register for **one** Seminar course per **semester** if they are enrolled in excess research hours.

MTLS 6111 is a one credit course, but the credit does not count towards the overall credit hours. For example, if a student is completing their Masters and doing a Thesis, their credit hour total is 30. In adding MTLS 6111, at least once a semester during their academic program, they will roughly have taken 32 credit hours. The additional 2 are from the Seminar courses and do not count towards the 30 credits needed to complete the degree but do count towards the overall semester credit count.

Academic Policies

University of Houston Academic Policies

Graduate Academic Policies: Cullen College of Engineering

Transfer of Credits

A student may transfer up to 6 hours of graduate-level work completed elsewhere or at the University of Houston upon the approval of the Director of Graduate Studies. The student will need to file a general petition within one semester after admission to graduate program.

Cumulative Grade Point Average (GPA)

This average is on all courses attempted at the university during the graduate program. Students must maintain an overall GPA of 3.0 or better in order to remain in good academic standing for the graduate program. Students who drop below a 3.0 cumulative GPA will be placed on Academic Warning. Failure to bring up the cumulative GPA to 3.0 in the following semester may result in dismissal of the program.

Cumulative Grade Point Average (GPA) for supported students:

The cumulative GPA must be 3.0 or better at all times in order to maintain eligibility for assistantships or in-state tuition waivers when applicable.

Cumulative Grade Point Average (GPA) for scholarship students:

The cumulative GPA must be 3.0 or better at all times in order to receive the in-state tuition waiver. If you do not meet this requirement, you will lose the scholarship and no longer be eligible for in-state tuition. If you drop below the 3.0 GPA in the first semester, you may not receive the 2nd installment of the scholarship.

Formation of Thesis Committee (for students completing MS with a Thesis)

The Thesis Committee members are determined by the student and their Advisor.

A Thesis Committee must consist of at least three members, with the advisor as chair,



at least two additional faculty members from the Materials Science and Engineering Department, and in total, you need a minimum of **three** tenure-track faculty members from the University of Houston.

The Committee members must fill out the **Committee Appointment Form** with their acknowledgment that they will participate. The form must be submitted well before the proposal defense is scheduled since the committee must be approved by the Department and Dean's Office prior to the defense. A student need not be enrolled while requesting to form a committee but must be enrolled when the defense takes place.

If a Committee member is outside of the University of Houston, that member's CV must be sent to the Graduate Advisor.

Master's Thesis Committee Formation Deadline

The Committee must be formed by the 12th school day/ORD of the semester the student plans to defend.

Graduate Policies

MTLS 6111 - Seminar is required every semester for Master's students taking extra research hours, unless the student has received an exception from their PI, due to interference with their confirmed graduation date.

Once you enroll in research and thesis, respectively, you have to remain continuously enrolled in research and dissertation.

Students who started in and after Fall 2016: Only 25% of your courses may be taken outside of the department. If the course has not previously been approved by the department as an elective, a petition for the course must be submitted and approved prior to the start of the semester of intended enrollment. The petition must be approved by your PI and should include an explanation of why the course is relevant to your research and/or degree. Petitions can be turned in to the Graduate Advisor.

Students who started prior to Fall 2016: Please check with the Graduate Advisor regarding elective courses outside of the department. If the course has not previously been approved by the department as an elective, a petition for the course must be submitted and approved prior to the start of the semester of intended enrollment. The petition must be approved by your PI and should include an explanation of why the course is relevant to your research and/or degree. Petitions can be turned in to the Graduate Advisor.

Mechanical Engineering, MME

The Master of Mechanical Engineering (MME) degree is offered as a non-thesis degree program aiming to provide depth of knowledge in selected areas of mechanical engineering, as well as broader knowledge in other engineering, science, business or law topics. The degree is primarily for working professionals in the U.S. seeking to expand their technical skills for employment and advancement in mechanical engineering related fields. The program involves mechanical engineering graduate coursework in traditional areas of mechanical engineering, such as, mechanics, materials, thermo-fluid systems, automation and design. In addition, students can select elective courses outside the mechanical engineering department. Options include courses in other Cullen College of Engineering departments, the Bauer College of Business Administration, the College of Natural Sciences and Mathematics, and the UH Law Center. This flexibility allows students to design a degree program that best matches their career goals.

The MME degree is viewed as a degree that will not lead to entry into the PhD program. MME students are not eligible for financial aid in the form of teaching or research assistantships. The degree is course-based and it could be completed in 1 to 1 ½ years of full-time study or 2 to 3 years of part-time study. The degree is open to individuals with undergraduate degrees in other engineering disciplines, with the completion of appropriate preparatory undergraduate mechanical engineering courses.

Please visit the Mechanical Engineering Graduate Programs page for more information.

Admission Requirements



The MME program is intended primarily for working professionals, and not for international students on temporary visa (such as F-1, J-1, etc.). To be unconditionally admitted to the MME program, an applicant should have:

- a Bachelor's degree in Mechanical Engineering or in a related field, preferably from an accredited engineering program
- a grade point average of at least 3.00 out of 4.00 on the last 60 semester credit hours attempted exclusive of grades received for activities such as seminars, physical education, industrial internships, etc.
- three letters of recommendation attesting to the student's capacity to perform in the classroom and in working environment. A minimum of two letters should be from tenure-track faculty members who have observed the academic performance of the applicant, and one can come from an engineering industry supervisor
- a statement of purpose that is consistent with the areas of instruction within the Department. The -----"Application for Financial Aid and Statement of Purpose" form available on the Application section of this website allows the applicant to specify areas of interest, and it lists issues to address in the statement of purpose
- Payment of non-refundable application fee

Please visit the Graduate Program Application page for more information: <http://www.me.uh.edu/graduate/application>.

Degree Requirements

Credit hours required for this degree: 30.0

The MME degree plan consists of the completion of 30 credit hours of graduate course work approved by the graduate advisor. The course work credit hour should comply with the following requirements:

- Twenty-one hours from the MECE 6000-level or above, exclusive of graduate seminar (MECE 6111) and Graduate Project (MECE 6368).
- Nine hours at the 6000-level or above from a list of approved courses in the College of Engineering, the College of Natural Science and Mathematics, the Bauer College of Business, and the UH Law Center, with no more than six hours from one academic unit (department or program). The up-to-date list of approved courses will be posted in the department Graduate Office. Up to six hours of elective coursework can be completed by enrollment in the design sequence MECE 6368 & 6369. The coursework project typically consists of designing (and if feasible, constructing) an engineering apparatus under the supervision of a faculty member. The student cannot enroll in MECE 6368 until a faculty member has consented to supervise the student. The project may be assigned to the student by the advisor, or it may be submitted to the advisor for approval. Course credit for the project is not awarded until the advisor has approved of the completed project.
- No more than 3 hours of individual study (MECE 6x98), apart from the Project Option.

Academic Policies

- University of Houston Academic Policies
- Graduate Academic Policies: Cullen College of Engineering

Department/Program Academic Policies

- Graduate Academic Policies
- Enrollment Requirements for all Degree Programs

The graduation requirements for this program are at least a 3.00 grade point average over all courses, and separately, at least a 3.00 grade point average on all MECE courses, including MECE 6384. In calculating the grade point average on all MECE courses, if a student receives a grade "C+" or lower on an MECE course, and repeats the course with a better grade, the lower grade is dropped in the calculation.

Transfer Policies



A student admitted to the MSME program may transfer to the MME program by petition to the Graduate Director, if the student has completed twenty-one hours in the MSME program; currently has at least a 2.80 grade point average on all MECE courses.

Mechanical Engineering, MSME

The Department of Mechanical Engineering has an active graduate program encompassing advanced study and research in the major areas of dynamics and controls, fluid mechanics and heat transfer, materials science and engineering, and theoretical and computational mechanics. Current research topics include:

- computational fluid dynamics applied to problems ranging from the circulatory system and to the dynamics of offshore platforms;
- control of complex systems such as engine exhaust after-treatment, orbiting spacecraft, and structures built from smart materials;
- health monitoring and design optimization applied to a range of structures from micro-scale devices to bridges;
- biomedical research into biosensing, micro-scale bioreactors and health prognostics of the cardiovascular system;
- experimental studies of turbulent flows occurring in energy systems and two-phase flows in micro-scale heat exchangers.

Research activities in nanomechanics include:

- structure-property relationships
- strain-quantum behavior in quantum dots
- nanoscale piezoelectricity
- the application of magnetic nanostructures to sensors and biomedical devices.

Our materials engineering activities are driven by applications of composite materials to wind turbines and off-shore structures, ceramic components for aerospace systems, and superconducting materials for imaging and energy systems.

Admission Requirements

To be unconditionally admitted to the MS thesis or non-thesis program, an applicant should have:

- a Bachelor's degree in Mechanical Engineering or in a related field, preferably from an accredited engineering program.
- a grade point average of at least 3.00 out of 4.00 on the last 60 credit hours attempted exclusive of grades received for activities such as seminars, physical education, industrial internships, etc.
- an adequate score on the Graduate Record Examination (GRE). Texas law prohibits the definition of minimum acceptable scores on the GRE. However, 160 to 163 is a typical average score on the Quantitative section across all degree programs for an admission class.
- a minimum score of 6.5 on the IELTS or 79 on the internet-based TOEFL examination for students whose native language is not English.
- three letters of recommendation attesting to the student's capacity to perform in the classroom and (for applicants to the thesis program) in a research capacity. A minimum of two letters should be from tenure-track faculty members who have observed the academic performance of the applicant, and one can come from an engineering industry supervisor.
- a statement of purpose that is consistent with the areas of instruction and (for applicants to the thesis program) the current research areas within the Department. The "Application for Financial Aid and Statement of Purpose" form available on the Application section of this website allows the applicant to specify areas of interest, and it lists issues to address in the statement of purpose.

Degree Requirements

Credit hours required for this degree: 30.0

Program of Study for the MS Program without Thesis

The program requires successful completion of 30 hours of course work distributed as follows:



Methods of Applied Mathematics I

Three hours from the following course:

MECE 6384 - Methods of Applied Mathematics I **Credit Hours: 3.0**

Core Courses

Nine hours of core courses, consisting of one course from each of the three areas chosen from:

Controls

MECE 6367 - Control System Analysis and Design **Credit Hours: 3.00**

MECE 6374 - Nonlinear Control Syst Design **Credit Hours: 3.0**

Materials

MECE 6361 - Mechanical Behavior/Materials **Credit Hours: 3.0**

MECE 6363 - Physical Metallurgy **Credit Hours: 3.0**

MECE 6364 - Phase Transform in Materials **Credit Hours: 3.0**

Mechanics

MECE 6377 - Continuum Mechs I **Credit Hours: 3.0**

Advanced Mechanics of Solids

Thermo-Fluids

MECE 6334 - Convection Heat Transfr **Credit Hours: 3.0**

Advanced Fluid Dynamics I

MECE 6000-level or Above

Nine hours of elective courses from the MECE 6000-level or above, exclusive of graduate seminar (MECE 6111) and Graduate Project (MECE 6368).

6000-level or Above

Nine hours of elective courses at the 6000-level or above from a list of approved courses in the College of Engineering, the College of Natural Science and Mathematics, the Bauer College of Business, and the UH Law Center, with no more than three hours from one academic unit (department or program). The up-to-date list of approved courses will be posted in the department Graduate Office. Three hours can be satisfied by completing the directed-study Graduate Project course, MECE 6368. A statement of the intent of the directed study must be approved by petition to the Graduate Director prior to registration in MECE 6368. A report describing the results of the project must be filed with, and archived by, the instructor at the end of the course.

Note(s):



If a graduate course is dual-listed with an undergraduate 5000-level section, the student must enroll in the graduate section. Approval of any course that falls outside of the description given here must be requested by petition to the Director of Graduate Studies. Approval must be received prior to enrollment in the course. Non-thesis students should not enroll in research or thesis courses (6x98, 6399, 7399).

The graduation requirements for this program are at least a 3.00 grade point average over all courses, and separately, at least a 3.00 grade point average on all MECE courses, including MECE 6384. In calculating the grade point average on all MECE courses, if a student receives a grade "C+" or lower on an MECE course, and repeats the course with a better grade, the lower grade is dropped in the calculation.

Program of Study for the MS Program with Thesis

The program requires completion of a minimum of 30 credit hours distributed as follows:

Thesis Hours

Nine hours of thesis credits:

The first three for:

MECE 6399 - Masters Thesis **Credit Hours: 3**

The remaining for:

MECE 7399 - Masters Thesis **Credit Hours: 3**

Methods of Applied Mathematics I

Three hours from the following course:

MECE 6384 - Methods of Applied Mathematics I **Credit Hours: 3.0**

MECE 6000-level or Above

At least nine hours from the MECE 6000-level or above, exclusive of the seminar (MECE 6111), research credits (MECE 6x98), and thesis credits.

6000-level or Above

The remaining hours must be at the 6000-level or above from a list of approved courses in the College of Engineering, the College of Natural Science and Mathematics, the Bauer College of Business, and the UH Law Center, with no more than three hours from one academic unit (department or program). The up-to-date list of approved courses will be posted in the department Graduate Office.

Note(s):

If a graduate course is dual-listed with an undergraduate 5000-level section, the student must enroll in the graduate section. Approval of any course that falls outside of the description given here must be requested by petition to the Director of Graduate Studies. Approval must be received prior to enrollment in the course.

The graduation requirements for this program are a successfully defended thesis and at least a 3.00 grade point average over all courses. The Director of Graduate Studies must approve the composition of the thesis examining committee prior to the defense date. The committee consists of at least three tenure-track faculty members, with one member from outside the Department.



Academic Policies

University of Houston Academic Policies
Graduate Academic Policies: Cullen College of Engineering

Department/Program Academic Policies

Graduate Academic Policies

Enrollment Requirements for all Degree Programs

A student must meet the requirements listed here for continued enrollment in, and successful completion of, any of our graduate programs:

Degree plans must be approved by the Director of Graduate Studies and must meet the specific requirements listed in this document for the degree program. These requirements are in addition to the general requirements of the University as described in the Graduate and Professional Studies Catalog.

Students on F-1 or J-1 visas are required by U.S. law to be enrolled as full-time students.

Only full-time students are eligible to receive financial support from the University in the form of scholarships, academic fellowships, teaching fellowships or assistantships, research fellowships or assistantships, or other comparable forms of support.

Continuous enrollment in MECE 6111 Graduate Seminar is required of full-time students.

A minimum grade point average of 3.00 over all graduate courses attempted is required for the successful completion of any graduate degree. See the specific degree program descriptions for any additional graduation requirements.

No grade lower than "C-" can be counted toward the completion of the credit hour requirements for a degree program.

Up to 6 credit hours of course work may be transferred from another institution with the approval of the Director of Graduate Studies.*Note:Graded homework, mid-term, any exams, and syllabus must be received in order to determine transfer eligibility.

No course used for a prior degree can be repeated or applied to another degree.

No more than 6 hours can be transferred from post-baccalaureate to the graduate credit level.

The Four-C rule: the University requires that a graduate student who receives a grade of C+ or lower in 12 credit hours attempted at this institution for graduate credit or for application toward the graduate degree, whether or not in repeated courses, is ineligible for any advanced degree at this institution and will not be permitted to re-enroll for graduate study. Students wishing to enroll in courses not for graduate credit (hence not subject to the 4-C rule) must submit a written declaration to that effect to the Director of Graduate Studies prior to enrollment in those courses.

Changing degree programs requires approval of the Director of Graduate Studies and of the research advisor and may result in withdrawal of departmental financial support.

Students requiring Masters/Doctoral Research and Thesis/Dissertation hours should be advised of the following:

MS Thesis Option. A student can only sign up for two thesis courses 6399 and 7399. Most departments also allow Masters Research 6398 course which reduces the course requirement by one course. All our Masters degrees except for Petroleum Engineering are 30 credit hours degrees. An IP grade must be assigned to the first thesis course (6399) and a final letter grade via grade change request be assigned when the thesis is successfully completed (defended and submitted). If a student is not done after registering the required research and thesis hours, additional hours should be enrolled as 6398 (Masters Research) which is graded on S/U basis. In case a student registers for thesis hours over and above the six hours, these additional hours will remain as IP on the student's transcript. This is a Graduate School directive and aimed at avoiding grade inflation.

Space Architecture, MS



The Sasakawa International Center for Space Architecture (SICSA) is a research and design organization within the University of Houston. SICSA brings more than 30 years of internationally recognized experience in habitat research, planning and design for space and extreme terrestrial environments. Such settings share many urgent problems and issues. They typically impose logistic transport challenges for people, equipment and supplies; present severe facility construction and operational constraints; demand careful attention to habitability, performance and safety under isolated, confined conditions; and heavily rely upon all practical means to optimize energy-efficient, ecologically-responsible strategies. Terrestrial planning applications include remote oil and gas exploration/production camps; emergency natural disaster response operations and shelters; and rapid military troop deployment accommodations for harsh, undeveloped locales.

Please visit the Sasakawa International Center for Space Architecture website for more information.

Admission Requirements

Application Checklist

Online Graduate Application

1 official transcript should be mailed to:

University of Houston Graduate School ([Click here for more information](#))

1 scan of official transcript (uploaded)

resume (uploaded)

Officially reported GRE scores taken in the last five years (University code is 6870) will be required for applicants with a GPA between 2.8 and 3.0 for conditional admission.

3 References with email addresses must be listed on the online application. Not listing references will delay your application.

Essay (uploaded)

Application fee (cannot be waived) must be paid by credit card thru ApplyWeb website [\$25 domestic applicants/\$75 international applicants]

Additional documentation required for international applicants, including English language proficiency requirements, can be found on the Graduate International Student web page.

For further information on how to apply, please review the [How to Apply to UH Graduate School web page](#).

Please visit the [SICSA Admissions page](#) for application deadlines.

Degree Requirements

Credit hours required for this degree: 30.0

Course of Study: Students must have a minimum of 30 credit hours of approved study that include the following courses. All Master students have to submit his/her Master project draft proposal after the first semester of their study.

Full-Time Graduate Student

Fall Semester

SPAC 6201 - Man Systems Integration **Credit Hours: 2.0**

SPAC 6401 - Space Systems Tech Studio **Credit Hours: 4.0**

SPAC 6398 - Special Problems **Credit Hours: 3.0 (elective)**

3 Credit Hour Elective Class Eligible for Graduate Program

Spring Semester

SPAC 6203 - Spacecraft/Habitat Design **Credit Hours: 2.0**



SPAC 6403 - Mission Planning and Analysis **Credit Hours: 4.0**
SPAC 6398 - Special Problems **Credit Hours: 3.0 (elective)**
3 Credit Hour Elective Class Eligible for Graduate Program

Fall Semester

SPAC 6298 - Special Problems **Credit Hours: 2.0 and**
SPAC 6405 - Advanced Design and Analysis **Credit Hours: 4.0**
or
SPAC 7410 - Master's Project: Space Architecture **Credit Hours: 4.0**

Part-time Curriculum for Professionals

Fall Semester

SPAC 6201 - Man Systems Integration **Credit Hours: 2.0**
SPAC 6401 - Space Systems Tech Studio **Credit Hours: 4.0**

Fall Semester

SPAC 6203 - Spacecraft/Habitat Design **Credit Hours: 2.0**
SPAC 6403 - Mission Planning and Analysis **Credit Hours: 4.0**

Fall Semester

SPAC 6298 - Special Problems **Credit Hours: 2.0 and**
SPAC 6405 - Advanced Design and Analysis **Credit Hours: 4.0**
or
SPAC 7410 - Master's Project: Space Architecture **Credit Hours: 4.0**

Academic Policies

Each student assumes responsibility for being familiar with the academic program requirements as stated in the current catalogs of the college and university and this website.

Transfer of Credits

A student may transfer up to 6 hours (2 courses) of graduate-level work completed elsewhere the approval of the Director of Graduate Studies. The student will need to file a general petition within one semester after admission to graduate program.

[College Academic Policies](#)

[University of Houston Academic Policies](#)

Subsea Engineering, MS

[Cullen College of Engineering](#) > [Department of Mechanical Engineering](#) > [Subsea Engineering Program](#) > [Subsea Engineering, MS](#)

Welcome to the nation's first Subsea Engineering Graduate Program with the Master of Science in Subsea Engineering located in the world's oil and gas capital of Houston, Texas! In partnership with the world's leading energy engineering companies, the University of Houston has created a relevant 21st-century energy engineering education, comprised of classroom lectures and hands-on software lessons for subsea systems design. Our program is the next step in an international outreach effort resulting in UH emerging as the Energy University. Today, UH offers a seamless curriculum comprised of oil and gas exploration, petroleum engineering through production, and petroleum refining. The



master's program is offered both in the classroom and online which allows for international, domestic and the full-time working professionals to take part in the program and pursue their education in subsea engineering.

For more information, please visit the Subsea Engineering website.

Admission Requirements

A four-year bachelor's degree in engineering or engineering related field is required. Admissions for the MS Subsea Engineering program is offered during the Fall and Spring terms.

Application Materials

Completed Graduate School Online Application

Application fee [\$25 for domestic applicants/\$75 for international applicants]

An official transcript should be mailed to one of the following addresses below:

Regular Mail: *University of Houston*
Graduate Admissions
P.O. Box 3947
Houston, TX 77253-3947

Express Mail: *University of Houston*
Graduate Admissions
4302 University Dr., Rm 102
Houston, TX 77204-2012

GRE scores officially reported to the university (code is 6870)

Resume (uploaded)

Areas of Interest Form (uploaded)

Essay (uploaded)

3 Recommendations

Additional documentation required for international applicants, including English language proficiency requirements, can be found on the Graduate International Student website.

For further information on how to apply, please review the How to Apply to UH Graduate School website.

All application documents must be uploaded to your online application. An application will be delayed if not all application documents are uploaded.

Degree Requirements

Credit hours required for this degree: 30.0

The Master of Science in Subsea Engineering at the University of Houston is a non-thesis, 10-course graduate curriculum. The curriculum is comprised of three primary categories.

Category 1: Required Courses

Every student must take this required three-course sequence. These courses serve as the foundation of the engineering science knowledge base needed for the remaining graduate curriculum.

MECE 6334 - Convection Heat Transfr **Credit Hours: 3.0**

MECE 6384 - Methods of Applied Mathematics I **Credit Hours: 3.0**

SUBS 6310 - Flow Assurance **Credit Hours: 3.0**

Category 2: Restricted Electives



The courses listed below have been specifically developed for the Subsea Engineering Graduate Program. Every student must take at least three of the courses from this prescribed elective list. Additional subsea engineering courses are currently being developed and will be added to this list. Students may submit a graduate petition if deviations from this requirement makes sense for individual career paths.

- SUBS 6305 - Mathematics for Subsea Engineers **Credit Hours: 3.0**
- SUBS 6320 - Riser Design **Credit Hours: 3.0**
- SUBS 6330 - Pipeline Design **Credit Hours: 3.0**
- SUBS 6340 - Subsea Process and Artificial Lift **Credit Hours: 3.0**
- SUBS 6350 - Subsea Controls and System Engineering **Credit Hours: 3.0**
- SUBS 6351 - Design of Subsea Blowout Preventers **Credit Hours: 3.0**
- SUBS 6360 - Subsea Materials and Corrosion **Credit Hours: 3.0**
- SUBS 6370 - Computational Methods & Design Experiments **Credit Hours: 3.0**
- SUBS 6380 - Subsea Systems **Credit Hours: 3.0**
- SUBS 6397 - Selected Topics **Credit Hours: 3**

Topics:

- Advanced Flow Assurance
- Design for Oil and Gas
- Guide to Engineering Data Science
- Additional topics, with the approval from the Program Director

Category 3: Electives

Of the 10 mandatory courses required for the MS in Subsea Engineering, Categories 1 and 2 have prescribed at least 6 courses. This leaves a maximum of 4 courses that can be selected by the student, subject to approval by the Director. Subsea engineering is an interdisciplinary engineering field, so students are strongly encouraged to take at least one course from another department or program within the Cullen College of Engineering. Mechanical Engineering graduate courses applicable to the MS in Subsea Engineering include:

- MECE 6335 - Heat Transf/Phase Chng **Credit Hours: 3.0**
- MECE 6353 - Intro Comp Fluid Dynam **Credit Hours: 3.0**
- MECE 6361 - Mechanical Behavior/Materials **Credit Hours: 3.0**
- MECE 6363 - Physical Metallurgy **Credit Hours: 3.0**
- MECE 6368 - Mechanical Design Proj **Credit Hours: 3.0**
- MECE 7361 - System Identification **Credit Hours: 3.0**
- MECE 63XX - Selected Courses **Credit Hours: 3.0**, requiring approval from the Program Director.

Course from other departments and program within the Cullen College of Engineering are strongly encouraged as subsea engineering is necessarily an interdisciplinary engineering field.

Academic Policies

- University of Houston Academic Policies
- College Academic Policies
- Department Academic Policies

Academic Requirements

Each student assumes responsibility for being familiar with the academic program requirements as stated in the current catalogs of the college and university and this website.



Transfer of Credits

A student may transfer up to 6 hours (2 courses) of graduate-level work completed elsewhere upon the approval of the Director of Graduate Studies. The student will need to file a general petition within one term after admission to graduate program.

Doctoral

Materials Science and Engineering, PhD

In addition to continued study of a broad range of engineering fundamentals, candidates for the doctoral degree enjoy intensive exposure to a specific field of engineering research. Individual research is the major focal point for these students, who are expected to expand the frontiers of knowledge in their area of endeavor. Moreover, candidates learn and experience the general philosophy, methods, and concepts of research and scholarly inquiry, so that they may contribute after graduation to substantive issues completely unrelated to their doctoral research.

For more information, please visit the Materials Science and Engineering Program page: <http://materials.egr.uh.edu/graduate-program-overview>.

Admission Requirements

The graduate programs are open to all qualified individuals with a Bachelor of Science (BS) or Masters of Science (MS) in Engineering, Materials Science, Metallurgy, Physics, Chemistry, Geology or related field. Selection of an advisor is critical to completing the degree and therefore should be done as soon as possible. If a student is admitted to the PhD program without an advisor, an advisor will not be assigned to them.

Students must meet or exceed these requirements in order for their application to be reviewed:

- BS Degree: Materials Engineering or related field
- GPA: 3.00/4.00 on last 60 hours or Graduate hours if hold MS degree
- Recommended GRE*: (Current scale) Q-159, V-150 (Prior scale) Q-750, V-450
(*International Applicants*) TOEFL: PBT- 580, CBT- 236, IBT- 92
(*International Applicants*) IELTS: 7.0

**These scores reflect those of a competitive applicant but admission into our program is based on a holistic review of your application.*

Course Requirements

Upon admission, students with degrees in related fields will be evaluated on a case-by-case basis and may be required to take additional leveling courses. These leveling courses do not count towards the graduate degree. Generally, every graduate student should have taken:

- 2 years of Calculus (through differential equations)
- 1 year of Engineering Physics (calculus based physics)
- 1 year of Biology
- 1 year of Chemistry

Acceptance into the program is based on a competitive combination of academic background, GRE scores, recommendation letters, resume, and the statement of purpose. The checklist below list all requirements for the Application Submission:

Applicant Checklist



UH Graduate School Application

Application Fee (cannot be waived) (\$25 domestic; \$75 international)

Official Transcripts from all colleges and universities you have attended (Scanned copies of official transcripts can be uploaded as PDF files and may be used to make admission decisions. If admitted, however, you will not be able to enroll without the official transcript(s) showing undergraduate degree conferral on file.)

GRE scores (University code is 6870)

Statement of Purpose (Upload into Application)

Resume/CV (Upload into Application)

3 Letters of Recommendation (Submit emails within the Application and forms will be sent to Recommenders)

International applications have additional documentation requirements, including fulfilling English language proficiency requirements with either degree completion or submitted test scores. For more information, visit www.uh.edu/graduate-school/admissions/international-students/.

Note: When preparing your Resume/CV and Personal Statement for submission, please be sure to highlight your past research, current research interests, and UH Biomedical Engineering faculty that you are interested in working with. There is no prompt or length requirement for the statement of purpose.

For more information about the Graduate School Admissions, please visit: <http://www.uh.edu/graduate-school/prospective-students/how-to-apply/index.php>.

Degree Requirements

Credit hours required for this degree: 57.0 or 66.0

Doctor of Philosophy in Material Science Engineering (with prior MS Degree)

The elective courses must be relevant to the student's research and approved by their advisor.

The program requires a minimum of 57 credit hours of approved graduate work distributed as follows:

Six (6) hours of core course:

Three (3) hours in each of the two categories:

Thermodynamics and
Introduction to Materials

Nine (9) hours of concentration

Six (6) hours of additional coursework

Twenty-four (24) hours of research credits

Twelve (12) dissertation credits

MTLS 6111 - Materials Engineering Seminar **Credit Hours: 1.0**

(required with research enrollment)

Doctor of Philosophy in Materials Engineering (directly from Undergraduate)

The program requires a minimum of 66 credit hours of approved graduate work distributed as follows:

Six (6) hours of core course:

Three (3) hours in each of the two categories:

Thermodynamics and
Introduction to Materials

Nine (9) hours of concentration



Fifteen (15) hours of additional coursework offered by the College of Engineering
Twenty-four (24) research credits
Twelve (12) dissertation credits
MTLS 6111 - Materials Engineering Seminar **Credit Hours: 1.0**
(required with research enrollment)

Doctor of Philosophy in Materials Engineering (MS earned outside of UH)

Students are required to complete coursework requirements for MS students with a thesis (21 hours of coursework).

The elective courses must be relevant to the student's research and approved by their advisor.

Three hours of the nine elective courses must be taken within the College of Engineering. Courses taken outside of the department for elective credit must have previously been approved by the department.

Additional Requirements

Seminar

The Seminar Course (MTLS 6111) is not a traditional lecture/lab course.

MTLS 6111 is a professional development opportunity aimed at engaging students outside of the classroom by bringing in professionals within the field as well as an opportunity for students to present their research endeavors.

Students are required to register for **ONE** Seminar course per **SEMESTER** as they are enrolled in research hours.

MTLS 6111 is a one credit course, but the credit does not count towards the overall credit hours. For example, if a student is completing their Masters and doing a thesis, their credit hour total is 30. In adding MTLS 6111, at least once a semester during their academic program, they will roughly have taken 32 credit hours. The additional 2 are from the Seminar courses and do not count towards the 30 credits needed to complete the degree but do count towards the overall semester credit count.

Adding this One Credit Course to the Semester Course Schedule can cause the student to register for 10 credits instead of the traditional 9. In this case, students can reduce their research credits by 1, so the total credit hours equal 9 or simply take an extra credit.

Qualifying Exam

Eligibility

Doctoral students are eligible to sit for the Qualifying Exam after the second semester of graduate studies. Doctoral students **MUST** complete the Qualifying Exam by the end of their fourth semester, but traditionally complete it by the end of their third semester.

Students must confirm with the Graduate Advisor that they plan to complete their Qualifying Exam in a given semester.

Components of Exam

The Qualifying Exam is administered orally and students must submit two abstracts (1) current research and (2) future research, one week prior to the exam.

Notes, PowerPoint slides or electronic displays are **prohibited**.

Committee

The Graduate Advisor will create the Qualifying Exam committee based on faculty availability and the student's schedule.

The committee will consist of at least three (3) members: candidate's Research Advisor, at least one Materials Science and Engineering faculty member(s), at most one non-Materials Science and Engineering faculty member (with expertise in



relevant materials research). Additional faculty should represent the candidate's research focus area and are primarily responsible for the examination of the candidate.

The Research Advisor may ask questions but is expected to fulfill the advocate role for the candidate as he/she prepares for the examination. The Chair's primary function is to ensure that there is consistency across all candidate qualifying examinations.

Overview

Qualifying Exam Committees are coordinated by the Graduate Advisor. Students will be notified of the date and time of their Exam via email.

Examinations are expected to span about 1 hour but may vary between 1 to 1.5 hours.

The oral component will start with a general overview provided by the candidate on their research thrust area and prospective research project.

Committee members will be given hard copies of the two abstracts (supplied by the Doctoral student).

The Exam Committee will then ask questions and engage in discussions with the student for the remainder of the session. The following is the goal and scope of the oral exam:

- Determine student's depth of understanding of the Biomedical Engineering graduate core.

- Assess student's capacity to think critically and apply engineering tools to solve problems.

- Assess student's capacity to integrate skills in an area of research in biology and/or biomedical engineering.

- A successful student will be knowledgeable, able to think critically, and demonstrate the ability to integrate and/or apply course information to topics pertinent to their research area.

Immediately following the oral examination session, the Exam Committee will meet in a closed session to discuss the student's performance and determine the results of the exam. The following results are possible:

Pass: the candidate may continue in the PhD program, complete coursework, and prepare to defend a prospectus.

Fail: the candidate will be removed from the PhD program. A contingent plan may be developed to enter the Master's program, either thesis or non-thesis. The candidate may petition to retake the qualifying exam during which time he/she may be retained in the PhD program until the petition is resolved. If the petition is not accepted, he/she will be removed from the PhD program. If the petition is accepted, a continuation in the PhD program will be contingent upon results of a re-examination.

The **Qualifying Exam Score Sheet** will be filled out and turned into the Graduate Advisor, so the results can be put into the students file.

Formation of Dissertation Committee

The Dissertation Committee members are determined by the student and their Advisor.

A Dissertation Committee must consist of at least five members, with the advisor as chair,

- at least three additional faculty members from the Materials Science and Engineering Department, and
- at least one additional member shall be from outside of the Materials Science and Engineering program;

In total, you need a minimum of five tenure-track faculty members from the University of Houston. The fifth committee member may be from UH, or from an external institution.

The Committee members must fill out the **Committee Appointment Form** with their acknowledgement that they will participate. The form must be submitted well before the proposal defense is scheduled since the committee must be approved by the Department and Dean's Office prior to the defense. A student need not be enrolled while requesting to form a committee but must be enrolled when the defense takes place.

If a Committee member is outside of the University of Houston, that member's CV must be sent to the Graduate Advisor.

Doctoral Dissertation Committee Formation Deadline:

The Committee must be formed at least two weeks prior to the Prospectus.

Prospectus



Doctoral students must complete their Prospectus at least one semester before Graduation.

Components

A rough draft of a research proposal should be shown to the student's research advisor for approval of content prior to scheduling the oral presentation.

The oral presentation of the dissertation prospectus is made to the student's Dissertation committee. Other interested members of the faculty are invited to attend the presentation but are encouraged to leave prior to the questioning by the dissertation committee.

Overview

The student's presentation should take advantage of appropriate audio and visual aids and should be limited to no more than 50 minutes.

Copies of the written dissertation prospectus must be distributed to all members of the student's dissertation committee no later than one week prior to the oral presentation. In the oral examination, the student is expected to defend their prospectus and justify that the proposed research is of the acceptable quality and magnitude consistent with quality doctoral education.

Following the oral presentation of the research proposition, questions are welcomed from members of the departmental faculty. Following general questions, departmental faculty members other than those on the student's dissertation committee are excused and the student's dissertation committee and interested faculty from the student's major will remain to ask questions of the candidate regarding his proposed research. Generally, the oral discussion of the dissertation prospectus is limited to three hours.

After questioning, the candidate is excused from the room while the dissertation committee conducts its deliberations.

Committee

The Prospectus Committee is comprised of the Dissertation Committee members that were listed on the approved Committee form.

The decision regarding whether or not the dissertation prospectus is acceptable is the decision of the dissertation committee alone.

The student's dissertation committee conveys its evaluation of the acceptability of the dissertation prospectus to the chair of the departmental graduate committee by signing the **Prospectus Approval Form**.

If the student's dissertation prospectus is considered acceptable, the chair of the departmental graduate committee will recommend to the Graduate College that the student be advanced to PhD candidacy status.

If the student's dissertation prospectus is unacceptable, the chair of the dissertation committee formulates recommendations for future action and submits them to the chair of the departmental graduate committee and the chair of the department. Either of two recommendations is possible:

A re-examination may be scheduled and the entire process repeated, or

The student may be removed from the doctoral program. The results of the dissertation prospectus presentation are conveyed to the student by the chair of the departmental graduate committee.

Dissertation Defense

The student will coordinate their Defense date with their committee and Advisor.

If a room needs to be reserved, the student can contact the Graduate Advisor.

Results should be reported to the Graduate Advisor, either via email or in person.

Dissertation/Thesis Defense Deadline:

The Graduate School and Cullen College of Engineering has set a deadline for defending. All students must defend by the given date or they will not be able to graduate that semester. The deadline changes each semester; the Academic Calendar will note the date.

For example, in Fall 2014, all students planning to defend, had to have their defense completed by Friday, December 05.



All information necessary for submission can be found here: <https://www.egr.uh.edu/academics/graduate-programs-policies/guide-preparation-thesesdissertations>.

Academic Policies

University of Houston Academic Policies

Graduate Academic Policies: Cullen College of Engineering

Department Policies

CORE Coursework must be completed before your Qualifying Exams.

The Qualifying Exam **must** be completed at the end of the 3rd semester, unless an exception has been approved by the Department Chair and Graduate Director.

MTLS 6111 - Seminar is required every semester for all PhD students enrolled in research hours, unless the student has received an exception from their PI, due to interference with their confirmed graduation date.

Once you enroll in research and dissertation, respectively, **you have to remain continuously enrolled in research and dissertation.**

Students who started in and after Fall 2016: Only 25% of your courses may be taken outside of the department. If the course has not previously been approved by the department as an elective, a petition for the course must be submitted and approved prior to the start of the semester of intended enrollment. The petition must be approved by your PI and should include an explanation of why the course is relevant to your research. Petitions can be turned in to the Graduate Advisor.

Students who started prior to Fall 2016: Please check with the Graduate Advisor regarding elective courses outside of the department. If the course has not previously been approved by the department as an elective, a petition for the course must be submitted and approved prior to the start of the semester of intended enrollment. The petition must be approved by your PI and should include an explanation of why the course is relevant to your research. Petitions can be turned in to the Graduate Advisor.

Mechanical Engineering, PhD

The PhD is the highest degree granted by the University and its possession signifies that the holder has demonstrated the ability to perform original research. The student's principal objective is to produce a dissertation that can be considered a significant contribution to the field of knowledge in mechanical engineering. Our standard PhD program assumes a completed MS degree prior to admission. Our Direct Admit program allows the exceptional student to be admitted to doctoral candidacy without a completed MS degree.

For more information, please visit the Doctor of Philosophy page.

Admission Requirements

To be admitted for doctoral studies, a student must have an exemplary scholastic record which includes:

an MS degree (standard admission) or a BS degree (direct-admit program) in Mechanical Engineering or in a related field, preferably from an accredited engineering program.

three letters of recommendation attesting to the student's capacity to perform in the classroom and in a research capacity. A minimum of two letters should be from tenure-track faculty members who have observed the academic performance of the applicant.

a Statement of Purpose that is consistent with the current research areas within the Department. An "Application for Financial Aid and Statement of Purpose" form is available on the Application section of this website. It allows the applicant to specify areas of interest and academic goals, and it provides guidance regarding the issues we would like to see addressed in the statement of purpose.

a minimum score of 79 on the internet-based TOEFL examination for students whose native language is not English.

a grade point average that demonstrates the potential to perform at the level of 3.40 or better in MECE graduate courses.



a GRE score that is competitive with the doctoral admission class.

Degree Requirements

Credit hours required for this degree: 51.0

Standard Program

This option assumes that the applicant has completed an MS degree from a recognized university. A minimum of 51 hours of approved graduate study beyond the hours completed for the MS degree are required. These hours include at least 30 hours of Research and Dissertation credit and at least 21 hours of course work (7 classes) at the 6000-level or higher composed of:

Methods of Applied Mathematics I

Three hours of:

MECE 6384 - Methods of Applied Mathematics I **Credit Hours: 3.0**

MECE Courses

at least nine hours of MECE courses

Breadth Requirement

a two-course breadth requirement as described below

College of Engineering or the College of Natural Science and Mathematics Courses

the remaining courses are from any department in the College of Engineering, or the College of Natural Science and Mathematics.

Qualifying and Dissertation Examinations

A comprehensive qualifying examination is required early in the degree program, and a dissertation examination is required at the end.

Direct-Admit Program

This option assumes that the applicant is being admitted without a completed MS degree. Students who begin in the MS program may petition to transfer into the Direct-Admit PhD if they have demonstrated exemplary course work and research potential. This option requires a minimum of 66 hours of approved graduate study beyond the hours completed for a baccalaureate degree in engineering. These hours include at least 36 hours of Research and Dissertation credit and at least 30 hours of course work (10 classes) at the 6000-level or higher composed of:

Methods of Applied Mathematics I

Three hours of:



MECE 6384 - Methods of Applied Mathematics | **Credit Hours: 3.0**

MECE Courses

at least fifteen hours of MECE courses

Breadth Requirement

a two-course breadth requirement as described below

College of Engineering or the College of Natural Science and Mathematics Courses

the remaining courses are from any department in the College of Engineering, or the College of Natural Science and Mathematics.

Qualifying and Dissertation Examinations

A comprehensive qualifying examination is required early in the degree program, and a dissertation examination is required at the end.

More on Requirements

All PhD candidates must have at least one peer-reviewed (archival) journal paper accepted prior to his/her dissertation oral defense. This paper must be based on the student's dissertation research at the University of Houston.

Breadth Requirement

Two courses with content outside of the research concentration area are required to insure a minimum academic breadth in the program. The courses can be in MECE, and suitable courses in the Colleges of Engineering and Natural Sciences. The suitability of courses for the breadth requirement is determined by petition to the Director of Graduate Studies. This petition should be filed well in advance of the dissertation defense.

Comprehensive Qualifying Examination

This oral examination determines whether a student has mastered, and can integrate and apply, the knowledge gained in courses. The student should set aside a period of time to prepare for the examination by reviewing course material and reflecting on how this information can be integrated to solve problems.

To stand for the PhD comprehensive examination, a student must have a grade point average of 3.40 or higher on a minimum of 12 UH graduate hours (4 classes) and no more than the first 21 UH graduate hours (7 classes).

The examination should be scheduled as soon the accumulation of relevant course work allows. For a student with an MS from another university, the exam should be attempted no later than 18 months after study towards the PhD begins. For students who complete the MS here and for students who petition into the direct-admit program, the exam should be attempted within 12 months of the change of program.

The examination committee is set by the Director of Graduate Studies in consultation with the student and the dissertation advisor. The committee is composed of a minimum of four voting members and the dissertation advisor who serves as a nonvoting member. One of the



voting members is responsible for examining the student regarding the content in the mathematics requirement described above. The committee can be composed entirely of MECE faculty; however, members from outside the department may be approved if the nature of the student's program warrants such involvement. Judgment of the examination is by vote; two or more negative votes results in failure of the examination. In the case of failure, the committee shall decide whether or not the student should be invited to take the examination a second time.

Dissertation Examination

A dissertation committee should be formed by the advisor, with the approval of the Director of Graduate Studies, during the semester in which the student passes the comprehensive qualifying examination. This committee consists of at least five members including the advisor and at least one member from outside the Department.

Academic Policies

University of Houston Academic Policies
Graduate Academic Policies: Cullen College of Engineering

Department/Program Academic Policies

Graduate Academic Policies

Residency

The College requires a minimum of one academic year (two long semesters) of full-time enrollment at the PhD level.

Ninety-nine Hour Rule

The student is cautioned to be aware of the scheduling involved in meeting these requirements. University regulations require that a student who has accumulated more than 99 hours at the PhD level be charged out-of-state tuition for the hours in excess of 99. This tuition rate applies to Texas residents as well as true out-of-state students.

Dual Degree - Graduate

Aerospace Engineering and Space Architecture, MS

Colleges > Cullen College of Engineering > Aerospace Engineering and Space Architecture, MS

Graduate students interested in the related fields of Aerospace Engineering and Space Architecture can combine their studies in a **Dual Aerospace Engineering/Space Architecture Master of Science degree program**. The dual degree allows students to obtain a MS degree in Aerospace Engineering and a MS degree in Space Architecture by completing 46 credit hours of relevant graduate coursework.

For more information, please visit the Dual MS Degree in Aerospace Engineering and Space Architecture.



Admission Requirements

New students should apply to Mechanical Engineering graduate program for admission and indicate their interest to pursue the dual Aerospace Engineering/Space Architecture MS degree.

To be unconditionally admitted to the Dual MS degree program, an applicant should have:

A Bachelor's degree in Mechanical Engineering, Aerospace Engineering or a related field, preferably from an accredited engineering program. Students with a Bachelor's degree in architecture, natural sciences or mathematics may apply but will have to meet appropriate coursework prerequisites.

A grade point average of at least 3.00 out of 4.00 on the last 60 semester credit hours attempted exclusive of grades received for activities such as seminars, physical education, industrial internships, etc.

An adequate score on the Graduate Record Examination (GRE). Texas law prohibits the definition of minimum acceptable scores on the GRE. However, 160 to 163 is a typical average score on the Quantitative section across all degree programs for an admission class.

A minimum score of 6.5 on the IEL TS, with a minimum writing score of 6.5, or 79 on the internet-based TOEFL examination, with a minimum writing score of 20, for students whose native language is not English.

Three letters of recommendation attesting to the student's capacity to perform in the classroom and (for applicants to the thesis program) in a research capacity. A minimum of two letters should be from tenured or tenure-track faculty members who have observed the academic performance of the applicant, and one can come from an engineering industry supervisor.

A statement of purpose that is consistent with the areas of instruction and (for applicants to the thesis program) the current research areas within the Department.

Acceptance to the program is based on a competitive combination of academic background, GRE scores, recommendation letters and the statement of purpose. Domestic applicants who are not clearly competitive in these areas may be admitted on a conditional basis at the discretion of the Director of Admissions. Nonimmigrant visa holders may not be admitted conditionally.

Students may begin their graduate studies in one program and apply for admission to the dual degree program at a later date. However, the decision by a student to pursue the dual degree should be made prior to the completion of 18 hours of coursework.

Please visit the Dual MS Degree in Aerospace Engineering and Space Architecture for more information.

Degree Requirements

Credit hours required for this degree: 46.0

Within the 46 completed credit hours, students must fulfill the program requirements for each separate degree. Hence, the course selections should simultaneously comply with the course requirements of the Mechanical Engineering MS program and the core area course requirements of the Aerospace Engineering MS program. Completion of the program with a Thesis option is possible and in this case the corresponding degree will be an MS with Thesis degree. Specific plan of study requirements for the Dual MS Program without Thesis and the Dual MS Program with Thesis are outlined below:

Program of Study for the Dual MS Program without Thesis

Eighteen hours of coursework from the approved Aerospace Engineering courses in the core areas of
Aerodynamics & Heat Transfer,
Structural Mechanics and Materials, and
Controls and Dynamics.

Students can select a core area of concentration where they take the majority of their core courses. However, as a breadth requirement, students should take at least six semester hours of core course work outside their core area of concentration.



Sixteen hours of coursework from Space Architecture core courses, exclusive of Special Problems/Independent Study (SPAC 6298 and SPAC 6398) and Master's Project (SPAC 7410).

Twelve hours of approved coursework at the 6000-level or above from any department in the College of Engineering or the College of Natural Science and Mathematics. A total of no more than six hours can be from the Gerald D. Hines College of Architecture and Design and the Bauer College of Business and Law.

Program of Study for the Dual MS Program with Thesis

Nine hours of thesis or Master's project credits

Eighteen hours from the approved Aerospace Engineering courses in the core areas of

Aerodynamics & Heat Transfer,
Structural Mechanics and Materials, and
Controls and Dynamics.

As in the non-thesis option, at least six semester hours of core course work should be completed outside a core area of concentration.

Sixteen hours of Space Architecture courses, exclusive of Special Problems/Independent Study (SPAC 6298 and SPAC 6398) and Master's Project (SPAC 7410).

Three hours of approved coursework at the 6000-level or above from any department in the College of Engineering or the College of Natural Science and Mathematics.

If a graduate course is dual-listed with an undergraduate 5000-level section, the student must enroll in the corresponding graduate section. Approval of any course that falls outside of the description given here must be requested by petition to the Director of Graduate Studies. Approval must be received prior to enrollment in the course. Non-thesis students should not enroll in research or thesis courses (6x98, 6399, 7399).

Academic Policies

University of Houston Academic Policies

Graduate Academic Policies: Cullen College of Engineering

Mechanical and Aerospace Engineering, MS

Graduate students interested in the related fields of Mechanical Engineering and Aerospace Engineering can combine their studies in a Dual Mechanical/Aerospace Master's degree program. The dual degree program allows students to obtain both a master's degree in Mechanical Engineering and a master's degree in Aerospace Engineering completing 45.0 credit hours of relevant graduate coursework. Hence, with the appropriate selection of graduate course within the Mechanical Engineering department and other departments students can be awarded both degrees, thereby significantly reducing the total number of credit hours needed if the two degrees were pursued separately.

Admission Requirements

New students should apply to the Mechanical Engineering graduate program for admission and indicate their interest to pursue the dual Mechanical/Aerospace MS degree. To be unconditionally admitted to the Dual MS program, an applicant should have:

A Bachelor's degree in Mechanical Engineering, Aerospace Engineering or in a related field, preferably from an accredited engineering program.

A grade point average of at least 3.00 out of 4.00 on the last 60 semester credit hours attempted exclusive of grades received for activities such as seminars, physical education, industrial internships, etc.



An adequate score on the Graduate Record Examination (GRE). Texas law prohibits the definition of minimum acceptable scores on the GRE. However, 160 to 163 is a typical average score on the Quantitative section across all degree programs for an admission class. A minimum score of 6.5 on the IELTS or 79 on the internet-based TOEFL examination for students whose native language is not English. Three letters of recommendation attesting to the student's capacity to perform in the classroom and (for applicants to the thesis program) in a research capacity. A minimum of two letters should be from tenured or tenure-track faculty members who have observed the academic performance of the applicant, and one can come from an engineering industry supervisor. A statement of purpose that is consistent with the areas of instruction and (for applicants to the thesis program) the current research areas within the Department.

Degree Requirements

Credit hours required for this degree: 45.0

Within the 45.0 completed credit hours, students must fulfill the program requirements for each separate degree. Hence, the course selections should simultaneously comply with the course requirements of the Mechanical Engineering MS program and the core area course requirements of the Aerospace Engineering MS program. Completion of the program with a Thesis option is possible and in this case the corresponding degree will be an MS with Thesis degree. Specific plan of study requirements for the Dual MS Program without Thesis and the Dual MS Program with Thesis are outlined below.

Program of Study for the Dual MS Program without Thesis

Graduate-Level Mathematics

Three hours of graduate-level mathematics satisfied by any of the following courses:

- MECE 6384 - Methods of Applied Mathematics I **Credit Hours: 3.0**
- MECE 6385 - Mtds of Appld Mthmtcs **Credit Hours: 3.0**
- CHEE 6331 - Math Mtds in Chem Engr **Credit Hours: 3.0**
- CHEE 6332 - Mathematical Methods in Chemical Engineering II **Credit Hours: 3.0**
- PHYS 6303 - Methods of Mathematical Physics I **Credit Hours: 3.0**
- PHYS 6354 - Methods of Mathematical Physics II **Credit Hours: 3**

MECE Courses

Eighteen credit hours of coursework from MECE 6000-level or above, exclusive of the graduate seminar (MECE 6111) and the Graduate Project (MECE 6368).

Aerospace Engineering Courses

Twelve credit hours of coursework from the approved Aerospace Engineering courses in the core areas of:

- Aerodynamics & Heat Transfer,
- Structural Mechanics and Materials, and
- Controls and Dynamics.

Additional Courses



Twelve credit hours of coursework at the 6000-level or above from any department in the College of Engineering or the College of Natural Science and Mathematics. A total of no more than six credit hours can be from each the Bauer College of Business and Law. A total of no more than combined six credit hours can be from Petroleum Engineering, Subsea Engineering and Industrial Engineering. Three credit hours can be satisfied by completing the directed-study Graduate Project course, MECE 6368.

Program of Study for the Dual MS Program with Thesis

Thesis Hours

Complete nine credit hours of thesis.

Graduate-Level Mathematics

Three credit hours of graduate-level mathematics satisfied by any of the following courses:

MECE 6384 - Methods of Applied Mathematics I **Credit Hours: 3.0**

MECE 6385 - Mtds of Appld Mthmtcs **Credit Hours: 3.0**

CHEE 6331 - Math Mtds in Chem Engr **Credit Hours: 3.0**

CHEE 6332 - Mathematical Methods in Chemical Engineering II **Credit Hours: 3.0**

PHYS 6303 - Methods of Mathematical Physics I **Credit Hours: 3.0**

PHYS 6354 - Methods of Mathematical Physics II **Credit Hours: 3**

MECE Courses

Nine credit hours from of MECE 6000-level or above, exclusive of graduate seminar (MECE 6111) and Graduate Project (MECE 6368).

Aerospace Engineering Courses

Twelve credit hours from the approved Aerospace Engineering courses in the core areas of:

Aerodynamics & Heat Transfer,
Structural Mechanics and Materials, and
Controls and Dynamics.

College of Engineering or the College of Natural Science and Mathematics

Twelve credit hours at the 6000-level or above from any department in the College of Engineering or the College of Natural Science and Mathematics.

Notes:

If a graduate course is dual-listed with an undergraduate 5000-level section, the student must enroll in the corresponding graduate section. Approval of any course that falls outside of the description given here must be requested by petition to the Director of Graduate Studies. Approval must be received prior to enrollment in the course. Non-thesis students should not enroll in research or thesis courses (6x98, 6399, 7399).



Academic Policies

University of Houston Academic Policies

Graduate Academic Policies: Cullen College of Engineering

The graduation requirements for the dual-degree program are:

at least a 3.00/4.00 grade point average over all courses,
a 3.00/4.00 grade point average on the courses comprised of the MECE courses,
the course used to satisfy the mathematics requirement and
the approved Aerospace Engineering core area courses.

Mechanical and Subsea Engineering, MS

Graduate students interested in the related fields of Mechanical Engineering and Subsea Engineering can combine their studies in a Dual Mechanical/Subsea Engineer Master's degree program. The dual degree program allows students to obtain both a master's degree in Mechanical Engineering and a master's degree in Subsea Engineering, completing 45.0 credit hours of relevant graduate coursework. Hence, with the appropriate selection of graduate course within the Mechanical Engineering department and Subsea Engineering program, students can be awarded both degrees, thereby significantly reducing the total number of credit hours needed if the two degrees were pursued separately.

For more information on the Dual MS Degree in Mechanical and Subsea Engineering, please visit their program site:

<http://www.me.uh.edu/graduate/degree-programs/dual-masters-degree-mechanical-subsea-engineering>.

Admission Requirements

New students should apply to the Mechanical or Subsea Engineering graduate program for admission and indicate their interest to pursue the dual Mechanical/Subsea MS degree. To be unconditionally admitted to the Dual MS program, an applicant should have:

A Bachelor's degree in Mechanical Engineering or in a related field, preferably from an accredited engineering program.

A grade point average of at least 3.00 out of 4.00 on the last 60 semester credit hours attempted exclusive of grades received for activities such as seminars, physical education, industrial internships, etc.

An acceptable score on the Graduate Record Examination (GRE).

A minimum score of 6.5 on the IELTS or 79 on the TOEFL iBT examination for students whose native language is not English.

Three letters of recommendation attesting to the student's capacity to perform in the classroom and (for applicants to the thesis program) in a research capacity. A minimum of two letters should be from tenured or tenure-track faculty members who have observed the academic performance of the applicant, and one can come from an engineering industry supervisor.

A statement of purpose that is consistent with the areas of instruction within the Department.

Acceptance to the program is based on a competitive requirements of academic background, GRE scores, recommendation letters and the statement of purpose. Domestic applicants who are not clearly competitive in any of these requirements may be admitted on a conditional basis at the discretion of the Director of Admissions. Nonimmigrant visa holders may not be admitted conditionally.

Students may begin their graduate studies in one program and apply for admission to the dual degree program at a later date. However, the decision by a student to pursue the dual degree should be made prior to the completion of 18 hours of coursework or a maximum of one year into one of the degree programs.

Graduation Requirements



In order to meet the graduation requirements for this dual-degree program, students in addition to earning at least a 3.00/4.00 overall GPA, must also earn 3.00/4.00 GPA in:

- all MECE courses,
- the course used to satisfy the mathematics requirement and
- all SUBS courses.

For more information on the admission requirements, please visit the Graduate Program Application site:
<http://www.me.uh.edu/graduate/application>.

Degree Requirements

Credit hours required for this degree: 45.0

Within the 45 completed credit hours, students must fulfill the program requirements for each separate degree, and also pre-requisite courses, if any. Hence, the course selections should simultaneously comply with the course requirements of the Mechanical Engineering MS program and the core area course requirements of the Subsea Engineering MS program. Specific plan of study requirements for the Dual MS Program without Thesis is outlined below:

Program of Study for the Dual M.S. Program without Thesis

Graduate-Level Mathematics

Three credit hours of graduate-level mathematics satisfied by any of the following courses:

- SUBS 6305 - Mathematics for Subsea Engineers **Credit Hours: 3.0**
- MECE 6384 - Methods of Applied Mathematics I **Credit Hours: 3.0**
- MECE 6385 - Mtds of Appld Mthmtcs **Credit Hours: 3.0**
- CHEE 6330 - Foundations of Mathematical Methods in Chemical Engineering **Credit Hours: 3.0**
- CHEE 6331 - Math Mtds in Chem Engr **Credit Hours: 3.0**

MECE Courses

Minimum eighteen hours of approved coursework from MECE 6000-level or above, exclusive of the graduate seminar (MECE 6111) and the Graduate Project (MECE 6368).

SUBS Courses

Minimum twenty-one hours of coursework from the approved Subsea Engineering courses excluding pre-requisite courses, if any.

Additional Relevant Coursework

Three hours of relevant coursework at the 6000-level or above can be from Petroleum Engineering or Bauer College of Business or within the College of Engineering with prior approval from the Program Director.

Additional Requirements



If a graduate course is dual-listed with an undergraduate 5000-level section, the student must enroll in the corresponding graduate section. Approval of any course that falls outside of the description given here must be requested by petition to the Director of Graduate Studies. Approval must be received prior to enrollment in the course. Since this is a non-thesis degree program, students should not enroll in research or thesis courses (6x98, 6399, or 7399).

The students enrolled in the Dual Degree program will be continuously monitored and underperforming students will be carefully advised. The students should do well in both programs. The students will have to be qualified to get admission into individual programs (MECE and SUBS) and who qualify will be given admission to Dual Masters program.

In a rare case, if the students underperforms in one of the programs but does well in the other program, then the student must withdraw from the program of poor performance but can continue in the other program as if it is an individual program and must meet that individual program's requirements.

Approved Course List

MECE Courses

- MECE 6333 - Conduction and Radiation **Credit Hours: 3.0**
- MECE 6334 - Convection Heat Transfr **Credit Hours: 3.0**
- MECE 6335 - Heat Transf/Phase Chng **Credit Hours: 3.0**
- MECE 6343 - Boundary Layers **Credit Hours: 3.0**
- MECE 6353 - Intro Comp Fluid Dynam **Credit Hours: 3.0**
- MECE 6361 - Mechanical Behavior/Materials **Credit Hours: 3.0**
- MECE 6397 - Selected Topics **Credit Hours: 3**

Topic(s):

- Feedback Control Systems
- Additional Topics
- OR other courses approved by the Program Director

SUBS Courses

- SUBS 6305 - Mathematics for Subsea Engineers **Credit Hours: 3.0**
- SUBS 6310 - Flow Assurance **Credit Hours: 3.0**
- SUBS 6320 - Riser Design **Credit Hours: 3.0**
- SUBS 6330 - Pipeline Design **Credit Hours: 3.0**
- SUBS 6340 - Subsea Process and Artificial Lift **Credit Hours: 3.0**
- SUBS 6350 - Subsea Controls and System Engineering **Credit Hours: 3.0**
- SUBS 6351 - Design of Subsea Blowout Preventers **Credit Hours: 3.0**
- SUBS 6360 - Subsea Materials and Corrosion **Credit Hours: 3.0**
- SUBS 6370 - Computational Methods & Design Experiments **Credit Hours: 3.0**
- SUBS 6380 - Subsea Systems **Credit Hours: 3.0**
- SUBS 6397 - Selected Topics **Credit Hours: 3**

Topic(s):

- Advanced Flow Assurance
- Additional Topics
- OR other courses approved by the Program Director

Academic Policies



Graduate Certificate

Advanced Subsea Engineering, Certificate

Colleges > Cullen College of Engineering > Department of Mechanical Engineering > Subsea Engineering Program > Advanced Subsea Engineering, Certificate

Welcome to the nation's first Subsea Engineering Graduate Program with the Advanced Subsea Engineering Certificate, located in the world's oil and gas capital of Houston, Texas! The UH Subsea Engineering Program offers two graduate certificates in Subsea Engineering. The graduate Certificate in Subsea Engineering programs are for engineers who seek graduate level education in Subsea Engineering, but do not want to pursue a master's level degree in Subsea Engineering. Admissions to the program requires applicants to have a four-year bachelor's degree in engineering or a related field. A GRE score is not required. Students in the Advanced Subsea Certificate program may later apply to the Subsea Master's program. A maximum of three certificate courses will transfer to the Master of Science in Subsea Engineering program. The Subsea Engineering courses are available face-to-face in a classroom setting and online.

For more information, please visit the Subsea Engineering website or the Subsea Engineering, Certificate page.

Admission Requirements

Who Should Apply?

Practicing engineers and recent Bachelor of Science in engineering graduates are qualified to apply. The curriculum advances both the science and engineering of subsea systems. Participants will gain a solid, diverse knowledge base in subsea engineering as well as an understanding of industry best practices and state and federal regulations governing them. The courses are part of a graduate engineering program and are taught at the graduate level.

Student Qualification

A four-year bachelor's degree in engineering or engineering related field is required.

The Advanced Subsea Engineering Certificate is only available for Spring admissions.

The Advanced Subsea Engineering Certificate program is only available to F-1 visa students in certain terms. Please review the Subsea Engineering Certificate Admission's page for further details.

The GRE exam is waived for Advanced Subsea Engineering Certificate applicants.

Application Materials

An online application

Application Fee (\$25.00 for domestic applicants/\$75 for international applicants)

Official transcript(s) should be mailed to one of the following addresses below:

Regular Mail:	University of Houston	Express Mail:	University of Houston
	Graduate Admissions		Graduate Admissions
	P.O. Box 3947		4302 University Dr., Rm 102



	Houston, TX 77253-3947		Houston, TX 77204-2012
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For further information on how to apply, please review the following website: [How to Apply](#)

Additional documentation for international applicants, including English language proficiency requirements, are found at: [International Applicants](#)

Status Selection

Certificate Only Option. The Subsea Engineering Certificate is a graduate-level, non-degree option certificate.

Costs

Each Subsea Engineering course has an associated graduate student fee. Please contact the Academic Advisor for details.

Certificate Requirements

Credit hours required for this certificate: 18.0

In order to complete the Certificate in Advanced Subsea Engineering, you will need to complete 6 graduate level Subsea Engineering courses. Upon completion of your courses, you will potentially gain a certificate. Courses for each certificate program include:

Required Courses

SUBS 6310 - Flow Assurance **Credit Hours: 3.0**

Restricted Elective 1

Restricted Elective 2

Restricted Elective 3

Restricted Elective 4

Restricted Elective 5

Subsea Engineering Courses

Restricted electives are selected among the following classes:

SUBS 6320 - Riser Design **Credit Hours: 3.0**

SUBS 6330 - Pipeline Design **Credit Hours: 3.0**

SUBS 6340 - Subsea Process and Artificial Lift **Credit Hours: 3.0**

SUBS 6350 - Subsea Controls and System Engineering **Credit Hours: 3.0**

SUBS 6351 - Design of Subsea Blowout Preventers **Credit Hours: 3.0**

SUBS 6360 - Subsea Materials and Corrosion **Credit Hours: 3.0**

SUBS 6370 - Computational Methods & Design Experiments **Credit Hours: 3.0**

SUBS 6380 - Subsea Systems **Credit Hours: 3.0**

SUBS 6397 - Selected Topics **Credit Hours: 3**

Topic(s):

Design for Oil and Gas

Selected Topics, with approval from the Program Director

Note: Only three Subsea courses will transfer to the MS program.

Academic Policies



University of Houston Academic Policies
College Academic Policies
Department Academic Policies

Each student assumes responsibility for being familiar with the academic program requirements as stated in the current catalogs of the college and university and this website.

Transfer of Credits:

A student may transfer up to 6 hours (2 courses) of graduate-level work completed elsewhere with the approval of the Director of Graduate Studies. Likewise, if a student completes the Advanced Certificate in Subsea Engineering and maintains a 3.0 or higher, then these 3 courses are eligible for being transferred into the Master of Science in Subsea Engineering. The student will need to file a general petition within one term after admission to the graduate program. Please note that no more than 3 courses will transfer from the Advanced Subsea Certificate program into the MS Subsea Engineering program.

Data Analytics and Condition and Performance Monitoring of Engineered Systems, Certificate

Cullen College of Engineering > Department of Mechanical Engineering > Data Analytics and Condition and Performance Monitoring of Engineered Systems, Certificate

The curriculum for the certificate in Data Analytics for Condition and Performance Monitoring of Engineered Systems is built upon physics-based reduced order modeling methods and simulation tools. It addresses the emerging field of condition and performance monitoring (CPM) and its implementation using the Industrial Internet of Things (IIoT). Administered through the Department of Mechanical Engineering and taught in the Subsea Engineering Program, the certificate curriculum focuses on integration of mathematical modeling, simulation and data processing as applied to real-world applications.

Certificate Requirements

Credit hours required for this certificate: 9.0

SUBS 6350 - Subsea Controls and System Engineering **Credit Hours: 3.0**

SUBS 6397 - Selected Topics **Credit Hours: 3**

Topic: Guide to Engineering Data Science

MECE 7361 - System Identification **Credit Hours: 3.0**

Academic Policies

University Academic Policies
Graduate Academic Policies: Cullen College of Engineering

Subsea Engineering, Certificate

Colleges > Cullen College of Engineering > Department of Mechanical Engineering > Subsea Engineering Program > Subsea Engineering, Certificate

Welcome to the nation's first Subsea Engineering Graduate Program with the Subsea Engineering Certificate, located in the world's oil and gas capital of Houston, Texas! The UH Subsea Engineering Program offers two graduate certificates in Subsea Engineering. The graduate



Certificate in Subsea Engineering is for engineers who seek graduate level education in Subsea Engineering but do not want to pursue a master's level degree in Subsea Engineering. Admission to the program requires applicants to have a four-year bachelor's degree in engineering or a related field. A GRE score is not required. Students in the Subsea Certificate program may later apply to the Subsea Master's program. A maximum of three certificate courses will transfer to the Master of Science in Subsea Engineering program. The Subsea Engineering courses are available face-to-face in a classroom setting and online.

For more information, please visit the Subsea Engineering website or the Advanced Subsea Engineering, Certificate page.

Admission Requirements

Who Should Apply?

Practicing engineers and recent Bachelor of Science in engineering graduates are qualified to apply. The curriculum advances both the science and engineering of subsea systems. Participants will gain a solid, diverse knowledge base in subsea engineering as well as an understanding of industry best practices and state and federal regulations governing them. Courses are part of a graduate engineering program and are taught at the graduate level.

Student Qualification

A four-year bachelor's degree in engineering or engineering related field is required.

The Subsea Engineering Certificate program is only available to F-1 visa students in certain semesters. Please review the Subsea Engineering Certificate Admission's page for further details.

The GRE exam is waived for Subsea Engineering Certificate applicants.

Application Materials

An online application

Application Fee (\$25.00 for domestic applicants/\$75 for international applicants)

1 official transcript should be mailed to one of the following addresses below:

Regular Mail: University of Houston

Graduate Admissions

P.O. Box 3947

Houston, TX 77253-3947

Express Mail: University of Houston

Graduate Admissions

4302 University Dr., Rm 102

Houston, TX 77204-2012

For further information on how to apply, please review the following website: [How to Apply](#)

Additional documentation for international applicants, including English language proficiency requirements, are found at: [International Applicants](#)

Status Selection

Certificate Only Option. The Subsea Engineering Certificate is a graduate-level, non-degree option certificate.

Costs

Each Subsea Engineering course has an associated graduate student fee. Please contact the Academic Advisor for details.

Certificate Requirements

Credit hours required for this certificate: 9.0



In order to complete the Certificate in Subsea Engineering, you will need to complete 3 graduate level Subsea Engineering courses. Upon completion of your courses, you will potentially gain a certificate.

Required Courses

SUBS 6310 - Flow Assurance **Credit Hours: 3.0**

Restricted Elective 1

Restricted Elective 2

Subsea Engineering Courses

Restricted electives are selected among the following classes:

SUBS 6320 - Riser Design **Credit Hours: 3.0**

SUBS 6330 - Pipeline Design **Credit Hours: 3.0**

SUBS 6340 - Subsea Process and Artificial Lift **Credit Hours: 3.0**

SUBS 6350 - Subsea Controls and System Engineering **Credit Hours: 3.0**

SUBS 6351 - Design of Subsea Blowout Preventers **Credit Hours: 3.0**

SUBS 6360 - Subsea Materials and Corrosion **Credit Hours: 3.0**

SUBS 6370 - Computational Methods & Design Experiments **Credit Hours: 3.0**

SUBS 6380 - Subsea Systems **Credit Hours: 3.0**

SUBS 6397 - Selected Topics **Credit Hours: 3**

Topic: Design for Oil and Gas

Note: Only three Subsea courses will transfer to the MS program.

Academic Policies

University of Houston Academic Policies

College Academic Policies

Department Academic Policies

Each student assumes responsibility for being familiar with the academic program requirements as stated in the current catalogs of the college and university and this website.

Transfer of Credits:

A student may transfer up to 6 hours (2 courses) of graduate-level work completed elsewhere with the approval of the Director of Graduate Studies. Likewise, if a student completes the Certificate in Subsea Engineering and maintains a 3.0 or higher, then these 3 courses are eligible for being transferred into the Master of Science in Subsea Engineering. The student will need to file a general petition within one semester after admission to the graduate program. Please note that no more than 3 courses will transfer from the Subsea Certificate program into the MS Subsea Engineering program.

Department of Petroleum Engineering

Petroleum engineering offers the full spectrum of career opportunities - whether working for large multinational corporations or smaller independent oil companies, or even opportunities for the development of new companies and enterprises. The industry continues to re-invent itself and in recent years there have been major new developments in the horizontal drilling, hydraulic fracturing, production and



stimulation, and the production of deep, tight gas formations, to mention a few. Such developments have invigorated the US and global petroleum production industry and will have an important impact in meeting global energy challenges in the future.

Vision

The vision of the University of Houston Department of Petroleum Engineering is to be a center of world-class petroleum engineering education, research and service in Houston, the center of the world petroleum industry.

Mission

The mission of the University Of Houston Department Of Petroleum Engineering is to educate students to become highly qualified petroleum engineers, to conduct innovative research in petroleum engineering and related interdisciplinary areas, and provide service to the profession and to society.

Program Educational Objectives

Graduates of the University of Houston petroleum Engineering Program will:

- address the challenges of the world's energy needs responsibly,
- exceed the evolving expectations of employers in the petroleum and energy industries,
- sustain industry leading skills, and
- be leaders in industry, academe, and government.

Master

Petroleum Engineering, MPetE

The petroleum engineering curriculum emphasizes connecting-the-dots between classroom lessons and their real-world applications through professional development and research opportunities.

Petroleum engineering graduates are prepared to address the challenges of the world's energy needs responsibly, to exceed the evolving expectations of employers in the petroleum and energy industries, to sustain industry-leading skills and to be leaders in industry, academia, and government.

Please visit the Petroleum Engineering Graduate Admissions page for more information: <http://www.petro.uh.edu/graduate>.

Admission Requirements

Complete Online Graduate Application: <http://www.applyweb.com/uhouston>.

Submit three Letters of Recommendation. Insert the contact information for your three recommenders into your application. Your recommenders will be contacted (via email) after the application has been submitted. They will be able to electronically attach their recommendation letters directly to your application.

***NOTE: The best letters of recommendation speak directly to your abilities and strengths as the recommender knows you. Recommenders should be professors or employment supervisors. Personal recommendations are not desired.**



Pay the Non-Refundable Application Fee.

Be prepared to Upload the following documents to your application when requested:

Resume

Statement of Purpose

Additional documents for Graduate International Applicants: <http://www.uh.edu/graduate-school/international-students/>

Request one original Official Transcript from every university/college attended to be sent directly to the address below. Your degree and date of degree completed should appear on the transcript. Have your official transcript sent directly by your institution to the Graduate School. If your institution(s) does not have an electronic transcript delivery service, please provide the address below for hard-copy submission:

Regular Mail Address
University of Houston Graduate Admissions P.O. Box 3947 Houston, Texas 77253-3947
Express Mail Address
UH-Graduate Admissions 4302 University Drive Room 102, E. Cullen Building Houston, Texas 77204-2012

***NOTE: If your official transcript is not available in English, please have it translated by the certified educational credentialing service found at: <http://www.uh.edu/graduate-school/admissions/international-students/transcripts/>.**

Evaluation of course work is NOT required, but the original/official transcript from your university must be received as noted above. This translation document can be scanned and uploaded during the application process in PDF format.

Request Educational Testing Service (ETS) to send Official GRE test score to the main University Admissions office using Institutional Code 6870.

Fulfill the English Language Proficiency Requirement (info at <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency/>). If sending TOEFL scores, request Educational Testing Service (ETS) to send Official TOEFL test score to the main University Admissions office using Institutional Code 6870.

Degree Requirements

Credit hours required for this degree: 30.0

Required Courses (4)

PETR 6302 - Reservoir Engineering II **Credit Hours: 3.0**

PETR 6312 - Well Log Evaluation of Petroleum Formations **Credit Hours: 3.0**

PETR 6368 - Well Drilling and Completion I **Credit Hours: 3.0**

PETR 6372 - Petroleum Production Operations **Credit Hours: 3.0**

Elective Courses



Advanced elective courses from the below list:

- PETR 6308 - Advanced Petroleum Production Operations **Credit Hours: 3.0**
- PETR 6310 - Petroleum Production Economics **Credit Hours: 3.0**
- PETR 6304 - Core Analysis of Petroleum Formations **Credit Hours: 3.0**
- PETR 6314 - Pressure Transient Testing **Credit Hours: 3.0**
- PETR 6316 - Well Drilling and Completion II **Credit Hours: 3.0**
- PETR 6320 - Enhanced Oil Recovery Processes I **Credit Hours: 3.0**
- PETR 6325 - Integrated Reservoir Characterization **Credit Hours: 3.0**
- PETR 6326 - Applied Reservoir Simulation **Credit Hours: 3.0**
- PETR 6330 - Fundamental of Hydraulic Fracturing **Credit Hours: 3.0**
- PETR 6332 - Deterministic Reserves Estimation **Credit Hours: 3**
- PETR 6350 - Natural Gas Engineering **Credit Hours: 3.0**
- PETR 6318 - Horizontal Drilling **Credit Hours: 3.0**
- PETR 6322 - Practical Aspects of Integrated Petroleum Reservoir Management **Credit Hours: 3.0**
- PETR 6338 - Applied Mathematical Methods in Petroleum Engineering **Credit Hours: 3.0**
- PETR 6340 - Unconventional Resource Engineering **Credit Hours: 3.0**
- PETR 6374 - Artificial Lift **Credit Hours: 3.0**

*Up to 6 credit hours can be taken outside of Petroleum Engineering. Prior approval is required.

Academic Policies

College Academic Policies

University of Houston Academic Policies

Petroleum Engineering, MSPetE

The petroleum engineering curriculum emphasizes connecting-the-dots between classroom lessons and their real-world applications through professional development and research opportunities.

Petroleum engineering graduates are prepared to address the challenges of the world's energy needs responsibly, to exceed the evolving expectations of employers in the petroleum and energy industries, to sustain industry-leading skills and to be leaders in industry, academia, and government.

Admission Requirements

While admitted students may seek a thesis option, we do not offer this through the admissions portal. See admissions information for Master of Petroleum Engineering: <http://www.petro.uh.edu/graduate>.

Degree Requirements

Credit hours required for this degree: 30.0

Degree candidates must complete eight courses (24 credit hours plus 6 credit hours dedicated to research preparation) for the thesis option.



Required Courses (4)

PETR 6302 - Reservoir Engineering II **Credit Hours: 3.0**
PETR 6312 - Well Log Evaluation of Petroleum Formations **Credit Hours: 3.0**
PETR 6368 - Well Drilling and Completion I **Credit Hours: 3.0**
PETR 6372 - Petroleum Production Operations **Credit Hours: 3.0**

Elective Courses

Four courses from the below list:

PETR 6304 - Core Analysis of Petroleum Formations **Credit Hours: 3.0**
PETR 6308 - Advanced Petroleum Production Operations **Credit Hours: 3.0**
PETR 6310 - Petroleum Production Economics **Credit Hours: 3.0**
PETR 6314 - Pressure Transient Testing **Credit Hours: 3.0**
PETR 6316 - Well Drilling and Completion II **Credit Hours: 3.0**
PETR 6318 - Horizontal Drilling **Credit Hours: 3.0**
PETR 6320 - Enhanced Oil Recovery Processes I **Credit Hours: 3.0**
PETR 6325 - Integrated Reservoir Characterization **Credit Hours: 3.0**
PETR 6326 - Applied Reservoir Simulation **Credit Hours: 3.0**
PETR 6330 - Fundamental of Hydraulic Fracturing **Credit Hours: 3.0**
PETR 6332 - Deterministic Reserves Estimation **Credit Hours: 3**
PETR 6336 - Petroleum Energy Markets **Credit Hours: 3.0**
PETR 6350 - Natural Gas Engineering **Credit Hours: 3.0**
PETR 6398 - Research **Credit Hours: 3.0**
PETR 6399 - Masters Thesis **Credit Hours: 3**
PETR 7399 - Masters Thesis **Credit Hours: 3**
PETR 6322 - Practical Aspects of Integrated Petroleum Reservoir Management **Credit Hours: 3.0**
PETR 6338 - Applied Mathematical Methods in Petroleum Engineering **Credit Hours: 3.0**
PETR 6340 - Unconventional Resource Engineering **Credit Hours: 3.0**
PETR 6374 - Artificial Lift **Credit Hours: 3.0**

*Up to 6 credit hours of advanced electives can be taken outside of Petroleum Engineering. Prior approval is required.

Academic Policies

University of Houston Academic Policies
College Academic Policies

Doctoral

Petroleum Engineering, PhD

The mission of the University of Houston Department of Petroleum Engineering is to educate students to become highly qualified petroleum engineers, to conduct innovative research in petroleum engineering and related interdisciplinary areas, and provide service to the profession and to society.



The Petroleum Engineering PhD curriculum emphasizes connecting-the-dots between classroom lessons and their real-world applications through professional development and research opportunities.

Petroleum Engineering graduates are prepared to address the challenges of the world's energy needs responsibly, to exceed the evolving expectations of employers in the petroleum and energy industries, to sustain industry-leading skills and to be leaders in industry, academia, and government.

For more information, please visit the Petroleum Engineering Graduate Program website: <http://www.petro.uh.edu/graduate>.

Admission Requirements

Admission to the University of Houston PhD Program in Petroleum Engineering will require the following:

GRE - An acceptable score within the Cullen College of Engineering standard on the Verbal, Quantitative, and Analytical portions of the Graduate Record Examination.

Three letters of recommendation from recognized professionals who can attest to the applicant's capability for independent and creative thinking for the graduate level research in petroleum engineering.

A written statement of the applicant's professional goals.

English language proficiency, as evidenced by either prior US degree or reported test scores. Details can be found on the Graduate School English Language Proficiency Requirements page: <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency/>.

Be advised that meeting these criteria does not guarantee admission.

Acceptance into the program is based on a competitive combination of academic background, GRE scores, recommendation letters, resume, and the statement of purpose. The Checklist below lists all requirements for the Application Submission:

Applicant Checklist

UH Graduate School Application, please visit How to Apply to UH Graduate School for more information: <http://www.uh.edu/graduate-school/admissions/how-to-apply/>

Scanned copies of an official transcript will be used for the application evaluation (upload). However, if admitted, an official transcript with the date your degree was conferred/awarded must be submitted to the Graduate School before enrollment can take place.

GRE scores (University code is 6870): <http://www.gre.org/>

Statement of Purpose (uploaded- if possible no longer than 2 pages)

Resume (uploaded)

3 Letters of Recommendation (emails must be listed on the online application)

Non-refundable application fee

Additional documentation and test scores for international students, including English language proficiency requirements as detailed on the International Graduate Student page: <http://www.uh.edu/graduate-school/international-students/>.

Degree Requirements

Credit hours required for this degree: BS to PhD - 66.0/MS to PhD - 54.0

There are two paths to the PhD Degree:

BS to PhD - Direct from BS to PhD, bypassing the MS degree, or by

MS to PhD - Obtaining an MS degree first at UH (or elsewhere).



Both BS and MS degrees must have been obtained from an accredited institution in Petroleum Engineering or a relevant engineering or scientific discipline. The applicants must maintain a grade point average of 3.2/4.0 (BS candidate) or 3.3/4.0 (MS candidate).

The chart below demonstrates course requirements for either path to PhD.

Category	Semester Credit Hours BS - PhD	Semester Credit Hours MS - PhD
Required Courses	30	18
Research	18	18
Dissertation	12	12
Seminar	6	6
TOTAL	66	54

Students without sufficient background for the required courses must complete leveling courses that will not count toward the degree. Each PhD student must maintain a grade point average (GPA) above 3.00 throughout the PhD program.

Required Courses

PETR 6308 - Advanced Petroleum Production Operations **Credit Hours: 3.0**

PETR 6314 - Pressure Transient Testing **Credit Hours: 3.0**

PETR 6316 - Well Drilling and Completion II **Credit Hours: 3.0**

PETR 6318 - Horizontal Drilling **Credit Hours: 3.0**

PETR 6374 - Artificial Lift **Credit Hours: 3.0**

PETR 7304 - Advanced Numerical Analysis **Credit Hours: 3**

PETR 7322 - Advanced Formation Evaluation **Credit Hours: 3**

PETR 7324 - Advanced Geomechanics **Credit Hours: 3**

PETR 7342 - Advanced Reservoir Engineering **Credit Hours: 3**

PETR 8X98 - Doctoral Research

PETR 8X99 - Doctoral Dissertation

Leveling Courses

PETR 6328 - Petroleum Fluid Property & Phase Equilibrium **Credit Hours: 3.0**

PETR 6351 - Introduction to Petroleum Engineering **Credit Hours: 3.0**

PETR 6362 - Reservoir Engineering I **Credit Hours: 3.0**

PETR 6364 - Origin and Development of Oil and Gas Reservoirs **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies

Graduate Academic Policies: Cullen College of Engineering

Dual Degree - Graduate



Petroleum and Subsea Engineering, MS

First of Its Kind Dual Degree Program in the World

Graduate students interested in the related fields of Petroleum Engineering and Subsea Engineering can combine their studies in a Dual Petroleum/Subsea Master's degree program. The dual degree program allows students to obtain both a master's degree in Petroleum Engineering and a master's degree in Subsea Engineering completing 45 credit hours of relevant graduate coursework. Hence, with the appropriate selection of graduate course within the Petroleum Engineering department and Subsea Engineering program, students can be awarded both degrees, thereby significantly reducing the total number of credit hours needed if the two degrees were pursued separately. This dual degree potentially broaden students' horizons by studying in the two programs. It will also enhance their network and the chances of landing a successful job.

Admission Requirements

New students may apply to the Petroleum or Subsea Engineering graduate program for admission and indicate their interest to pursue the dual Petroleum/Subsea MS degree. To be unconditionally admitted to the Dual MS program, an applicant should have:

- A Bachelor's degree in Petroleum Engineering or in a related engineering field.

- A grade point average of at least 3.00 out of 4.00 exclusive of grades received for activities such as seminars, physical education, industrial internships, etc.

- An adequate score on the Graduate Record Examination (GRE).

- A minimum score of 6.5 on the IELTS or 79 on the TOEFL iBT examination for students who do not meet the UH English Language policy.

- Three letters of recommendation attesting to the student's capacity to perform in the classroom. A minimum of two letters should be from faculty members who have observed the academic performance of the applicant, and one can come from an engineering industry supervisor.

- A statement of purpose that is consistent with the areas of instruction.

Acceptance to the program is based on a competitive combination of academic background, GRE scores, recommendation letters and the statement of purpose.

Students may begin their graduate studies in one program and apply for admission to the dual degree program at a later date. However, the decision by a student to pursue the dual degree should be made prior to the completion of 18 hours of coursework or a maximum of one year into one of the degree programs.

Program of Study

Within the 45.0 completed credit hours, students must fulfill the program requirements for each separate degree, and leveling and pre-requisite courses, if applicable. Hence, the course selections should simultaneously comply with the course requirements of the Petroleum Engineering MS program and the core area course requirements of the Subsea Engineering MS program.

Petroleum and Subsea engineering are closely related fields as many of the subsea oil and gas processes and systems overlap with petroleum engineering disciplines. There is a need to understand the concepts of petroleum engineering in designing the subsea systems and hence sharing courses makes the student understand many basics of the subjects. For example, reservoir engineering, drilling, production operations, etc. are shared by both engineering disciplines. Hence many of the courses can be shared that are mutually related to each program. Outside the program elective is an optional course between both the programs and that can be shared.

Degree Requirements



Credit hours required for this degree: 45.0

Program of Study for the Dual MS Program without Thesis

Minimum twenty one credit hours of approved coursework from PETR required courses and advanced elective courses, excluding leveling courses, if applicable.

Minimum twenty one credit hours of coursework from the approved Subsea Engineering courses excluding pre-requisite courses, if any. Three credit hours of approved relevant coursework (optional elective) at the 6000-level or above can be from within the College of Engineering with prior approval from the Program Directors.

Graduation Requirements

To graduate, students must meet UH and the Cullen College of Engineering graduate requirements.

The students enrolled in the Dual Degree program will be continuously monitored and underperforming students will be carefully advised. The students should do well in both programs. The students will have to be qualified to get admission into individual programs (PETR and SUBS) and those who qualify will be given admission to Dual Master's program.

In a rare case, if the students underperforms in one of the programs but does well in the other program, then the student has to withdraw from the program where he/she is performing poor but can continue in the other program as if it is an individual program and has to meet the separate program requirements.

Approved Course List

PETR Courses

Required Courses (four courses)

- PETR 6302 - Reservoir Engineering II **Credit Hours: 3.0**
- PETR 6312 - Well Log Evaluation of Petroleum Formations **Credit Hours: 3.0**
- PETR 6368 - Well Drilling and Completion I **Credit Hours: 3.0**
- PETR 6372 - Petroleum Production Operations **Credit Hours: 3.0**

Elective Courses (minimum three courses)

- PETR 6304 - Core Analysis of Petroleum Formations **Credit Hours: 3.0**
- PETR 6308 - Advanced Petroleum Production Operations **Credit Hours: 3.0**
- PETR 6310 - Petroleum Production Economics **Credit Hours: 3.0**
- PETR 6314 - Pressure Transient Testing **Credit Hours: 3.0**
- PETR 6316 - Well Drilling and Completion II **Credit Hours: 3.0**
- PETR 6318 - Horizontal Drilling **Credit Hours: 3.0**
- PETR 6320 - Enhanced Oil Recovery Processes I **Credit Hours: 3.0**
- PETR 6325 - Integrated Reservoir Characterization **Credit Hours: 3.0**
- PETR 6326 - Applied Reservoir Simulation **Credit Hours: 3.0**
- PETR 6332 - Deterministic Reserves Estimation **Credit Hours: 3**
- PETR 6336 - Petroleum Energy Markets **Credit Hours: 3.0**
- PETR 6350 - Natural Gas Engineering **Credit Hours: 3.0**
- PETR 6374 - Artificial Lift **Credit Hours: 3.0**



Or any new PETR course approved by the Program Director

SUBS Courses

Required Courses (three courses)

SUBS 6305 - Mathematics for Subsea Engineers **Credit Hours: 3.0**

SUBS 6310 - Flow Assurance **Credit Hours: 3.0**

MECE 6334 - Convection Heat Transfr **Credit Hours: 3.0**

Elective Courses (minimum four courses)

SUBS 6320 - Riser Design **Credit Hours: 3.0**

SUBS 6330 - Pipeline Design **Credit Hours: 3.0**

SUBS 6340 - Subsea Process and Artificial Lift **Credit Hours: 3.0**

SUBS 6350 - Subsea Controls and System Engineering **Credit Hours: 3.0**

SUBS 6351 - Design of Subsea Blowout Preventers **Credit Hours: 3.0**

SUBS 6360 - Subsea Materials and Corrosion **Credit Hours: 3.0**

SUBS 6370 - Computational Methods & Design Experiments **Credit Hours: 3.0**

SUBS 6380 - Subsea Systems **Credit Hours: 3.0**

SUBS 6397 - Selected Topics **Credit Hours: 3**

Topic(s):

Design for Oil and Gas

Advanced Flow Assurance

Additional Topics

Or any new SUBS course approved by the Program Director

Academic Policies

University of Houston Academic Policies

Graduate Academic Policies: Cullen College of Engineering

Graduate Certificate

Fundamentals of Petroleum Engineering, Certificate

The objective of the Fundamentals of Petroleum Engineering Certificate is to meet the needs of industry professionals to expand professional skills. This certificate is designed for oil & gas professionals to expand their awareness of petroleum engineering issues.

Certificate Requirements

Credit hours required for this certificate: 12.0 Credit Hours

This certificate is intended as a specialized certificate to meet the current demands of the oil industry for professionals.

PETR 6328 - Petroleum Fluid Property & Phase Equilibrium **Credit Hours: 3.0**

PETR 6351 - Introduction to Petroleum Engineering **Credit Hours: 3.0**



PETR 6362 - Reservoir Engineering I **Credit Hours: 3.0**

PETR 6364 - Origin and Development of Oil and Gas Reservoirs **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies

Graduate Academic Policies: Cullen College of Engineering

Unconventional Energy Resources, Certificate

The objective of the Unconventional Energy Resources is to meet the needs of industry professionals to expand professional skills. This certificate is designed for oil & gas professionals to expand their awareness of petroleum engineering issues.

Certificate Requirements

Certificate Total: 12.0 Credit Hours

This certificate is intended as a specialized certificate to meet the current demands of the oil industry for professionals with better understanding of the exploitation and performance of unconventional resources.

PETR 6318 - Horizontal Drilling **Credit Hours: 3.0**

PETR 6330 - Fundamental of Hydraulic Fracturing **Credit Hours: 3.0**

PETR 6332 - Deterministic Reserves Estimation **Credit Hours: 3**

PETR 6340 - Unconventional Resource Engineering **Credit Hours: 3.0**

PETR 6352 - Shale Reservoirs **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies

Graduate Academic Policies: Cullen College of Engineering



Aerospace Engineering Program

Colleges > Cullen College of Engineering > Department of Mechanical Engineering > Aerospace Engineering Program

The Aerospace Engineering Program at UH provides graduate education in Aerospace Engineering to those interested in acquiring advanced knowledge, conducting research and pursuing careers in this field. The program offers the opportunity for full-time or part-time graduate study to those employed or seeking employment in Aerospace Engineering to help them advance in the technical track of the profession. This is an interdisciplinary program taught by faculty in the Mechanical Engineering Department with assistance from other colleges and departments at UH.

Degrees Offered

Aerospace Engineering, MS



Materials Science and Engineering Program

The Materials Science and Engineering Program prepares engineers and scientists to meet the increasing demand for materials with unusual engineering properties and applications. The program provides an understanding of the methods used in the processing, characterization, control, and improvement of properties of engineering materials. This is achieved by addressing the most current and pressing problems in materials usage associated with thin films, solid state devices, fracture-safe design, elevated temperatures, aggressive environments, and nondestructive evaluation of flaws and residual stresses. Materials of special interest in the program include polymers, ceramics, composites, and high-temperature superconductors.

<http://materials.egr.uh.edu/graduate-program-overview>

Chrisdolyn Dawson

713-743-9257
cdawson@central.uh.edu

Dr. Alamgir Karim

Program Director
713-743-7351
akarim3@central.uh.edu

Background

Recent technological and economic developments, emphasized by the urgent need for new energy sources, have led to increasing demands for materials, which have unusual engineering properties and applications. From both the technical and economic points of view, it is recognized that the controlling factor in these developments is frequently a materials problem. These concerns are further compounded by growing difficulties in assuring continuous availability of various strategic materials. For these reasons, the need for research and graduate education in materials engineering has never been greater.

Because of its broad interdisciplinary nature, and its strong relationship with many engineering disciplines, the Materials Science and Engineering Program leads to an interdisciplinary degree in the Cullen College of Engineering. Relevant research and teaching facilities, however, are developed by individual engineering departments, where continuous efforts are made to expand and to strengthen materials engineering research and graduate programs.

Degrees Offered

Materials Science and Engineering, MS
Materials Science and Engineering, PhD



Subsea Engineering Program

Subsea Engineering Program Overview

Subsea engineering is perhaps one of the most important, yet most difficult aspects of the offshore petroleum industry. The underwater production environment presents unique challenges to subsea engineers, particularly deepwater operations where temperature, pressure and corrosion test the durability of submerged equipment and tools. Most subsea engineering operations depend on automation and remote procedures to construct and repair components beneath the surface of the water. A subsea specialization trains offshore engineering professionals to design equipment, tools and infrastructure utilized in offshore petroleum production.

Subsea Engineering at UH

Located in the Energy Capital of the World, the University of Houston is the only institution in the United States providing a certificate training program in subsea engineering.

The University of Houston has two options:

- Subsea Engineering, MS
- Certificate Programs in Subsea Engineering
 - Subsea Engineering, Certificate
 - Advanced Subsea Engineering, Certificate



Graduate Faculty: Cullen College of Engineering

Engineering Directors

Biomedical Engineering

Chemical and Biomolecular Engineering

Civil and Environmental Engineering

Electrical and Computer Engineering

Industrial Engineering

Materials Science and Engineering

Mechanical Engineering

Petroleum Engineering



Engineering Directors

Aerospace Engineering: Karolos Grigoriadis, Ph.D., Professor of Aerospace and Mechanical Engineering.

Biomedical Engineering: Larin Kirill, Ph.D., Instructional and Research Assistant Professor of Biomedical Engineering.

Chemical Engineering: Jeffrey Rimer, Ph.D., Professor of Chemical and Biomolecular Engineering, Director of Graduate Studies for Ph.D. and M.S. Programs.

Chemical Engineering: Lars Grabow, Ph.D., Professor of Chemical and Biomolecular Engineering, Director of Graduate Admissions for Ph.D. and M.S. Programs.

Chemical Engineering: Michael Nikolaou, Ph.D., Professor of Chemical and Biomolecular Engineering, Director of MChE - part-time program.

Civil Engineering: K.H. Wang, Ph.D., Professor of Civil Engineering.

Computer and Systems, and Electrical Engineering: Zhu Han, Ph.D., Professor of Electrical and Computer Engineering.

Electrical Engineering: David Jackson, Ph.D., Professor of Electrical and Computer Engineering.

Environmental Engineering: Hanadi Rifai, Ph.D., Professor of Environmental Engineering.

Geosensing and Systems Engineering: Craig Glennie, Ph.D., Professor of Geosensing and Systems.

Industrial Engineering: Qianmei Feng, Ph.D., Associate Professor of Industrial Engineering.

Materials Engineering: Alamgir Karim, Ph.D., Professor of Chemical and Biomolecular Engineering.

Mechanical Engineering: Dong Liu, Ph.D., Associate Professor of Mechanical Engineering.

Mechanical Engineering: Li Sun, Ph.D., Associate Professor of Mechanical Engineering, Admissions Director for Aerospace Engineering and Mechanical Engineering.

Petroleum Engineering: George Wong, Ph.D., Associate Professor of Petroleum Engineering and Master's Program Director.

Petroleum Engineering: Michael T. Myers, Ph.D., Associate Professor of Petroleum Engineering and Ph.D. Program Director.

Space Architecture: Olga Bannova, Research Associate Professor for Space Architecture.

Subsea Engineering: Li Sun, Ph.D., Associate Professor of Mechanical Engineering



Department of Biomedical Engineering

Faculty

Colleges > Cullen College of Engineering > Graduate Faculty: Cullen College of Engineering > Department of Biomedical Engineering

Faculty

Faculty with Joint BME Appointments

Faculty

Chair

Metin Akay, Ph.D., Founding Chair, John S. Dunn Chair, Professor; Ph.D., Rutgers University; Biomedical signal modeling and processing.

Vice Chair

Chandra Mohan, MD, Ph.D., Hugh Roy and Lillie Cranz Cullen Endowed Professor; MD, National University of Singapore; Ph.D., Tufts University; Elucidating the cellular, molecular, and genetic players leading to murine lupus, with corresponding translational studies in human lupus; mining new biomarkers and targets in chronic rheumatic diseases.

Program Directors

Kirill Larin, Ph.D., Director for Graduate Program, Full Professor; Ph.D., University of Texas Medical Branch in Galveston; Biomedical engineering/optics with particular emphasis on diagnostic imaging, biosensing, microscopy and classification of tissues.

Elebeoba E. May, Ph.D., Director for BME Research Program, Associate Professor; Ph.D., North Carolina State University; Bioinformatics, infectious disease and immunity, biomolecular modeling, computational biosensor platform technologies.

Muayyed Al-Ubaidi, Ph.D., Director for Undergraduate Program, Full Professor; Ph.D., Baylor College of Medicine; Transgenic models of inherited retinal disease.

Biomedical Engineering Faculty

Mohammed Reza Abidian, Ph.D., Associate Professor: Ph.D., University of Michigan; Translational neural engineering and neural interfaces; development of micro/nano-medical devices and technologies for neural tissue regeneration, brain tumor treatment, neural recording, and neurochemical sensing that can be used for the diagnosis and the treatment of neural injuries and neurological disorders and diseases.

Yasemin Akay, Ph.D., Instructional Associate Professor; Ph.D., Rutgers University; Neuroscience and neuroengineering.

Stuart Corr, Ph.D., Adjunct Assistant Professor; Ph.D., Dublin City University, Ireland; Nanomedicine, non-invasive radiofrequency hyperthermia, surgical technology, nanomaterials characterization.

Andrei Dragomir, Ph.D., Adjunct Assistant Professor, SINAPSE, National University of Singapore; Innovative data mining, pattern recognition and machine learning algorithms, time series analysis, complex networks modeling, neural engineering, bioinformatics.

Joe Francis, Ph.D., Professor; Ph.D., The George Washington University; Brain Computer Interface (BCI) hardware and data analysis algorithms, somatosensory neuroprosthetics, synaptic plasticity.



Howard Gifford, Ph.D., Associate Professor; Ph.D., University of Arizona; Image formation and reconstruction for medical imaging; objective assessment of imaging systems; visual perception and sources of observer variability; image classification and pattern recognition; statistical decision and estimation theory; parallel-computing applications in imaging.

David Gorenstein, Ph.D., Adjunct Professor; Ph.D., Harvard University; Structural biology, drug design, nucleic acid and protein chemistry.

Renita Horton, Ph.D., Assistant Professor; Ph.D., Harvard University; Cardiovascular and cardiac related diseases, tissue engineering, biomechanics, organ-on-a-chip.

Nuri Ince, Ph.D., Associate Professor; Ph.D., Cukurova University, Adana, Turkey; Clinical neuroengineering, neural signal processing for brain machine interfaces, machine learning for neuromarker discovery and biomedical instrumentation for healthcare and assisted living.

Irina Larina, Ph.D., Adjunct Associate Professor; Ph.D., University of Texas Medical Branch at Galveston; Development and application of highly innovative methods for live dynamic imaging and analysis of mammalian embryonic development.

Sheereen Majd, Ph.D., Assistant Professor; Ph.D., University of Michigan; Biomaterials; development of micro- and nano-scale platforms that enable studying molecular processes on and across biological membranes, and mimic these membranes for drug delivery and biosensing applications.

Muna Naash, Ph.D., John S. Dunn Endowed Professor; Ph.D., Baylor College of Medicine; Genetic mutations associated with hereditary retinal disorders; viral and non-viral ocular gene delivery.

Alexander Oraevsky, Ph.D., Adjunct Professor; Ph.D., USSR Academy of Sciences, Russia; Optoacoustic imaging, sensing and monitoring.

Jinsook Roh, Ph.D., Assistant Professor; Ph.D. Massachusetts Institute of Technology; neural mechanisms of motor coordination in unimpaired and neurologically impaired individuals

Mario Romero-Ortega, Ph.D., Cullen Endowed Professor; Ph.D., Tulane University; Bioelectronic medicine, nerve regeneration, spinal cord injury repair, neurointerfaces

Jerome Schultz, Ph.D., Distinguished Professor; Ph.D., University of Wisconsin; Biosensors, facilitated diffusion in membranes, restricted diffusion in membranes, transport processes in tissues, pharmacokinetics, immobilized enzymes, bioimaging.

Sergey Shevkopyas, Ph.D., Professor; Ph.D., Boston University; Biomedical engineering, improving the safety and efficacy of blood transfusions and making blood products available for life saving transfusions in resource-limited settings.

Tianfu Wu, Ph.D., Associate Professor; Ph.D., Chinese Academy of Sciences, China; Employing nanotechnologies to develop nano-probes and drug carrier, to achieve the goals of early biomarker detection and novel therapeutics for chronic diseases.

Yingchun Zhang, Ph.D., Associate Professor; Ph.D., Zhejiang University, China; Advancing clinical diagnosis of dysfunction in the human body through the fusion of functional bioelectrical activity/impedance imaging which includes functional neuroimaging, functional muscle activity imaging and functional bioelectrical impedance imaging, electrical stimulation and recording, advanced computational modeling and electrophysiological/biomechanical analysis with applications in investigating the mechanisms of bioelectrical activity in biological tissue and systems.

Faculty with Joint BME Appointments

Venkatesh Balan, Ph.D. (Technology)

Yi-Chao Chen, Ph.D. (ME)

Jose L. Contreras-Vidal, Ph.D. (ECE)



Mini Das, Ph.D. (Physics)

Vallabh Das, Ph.D. (Optometry)

Matthew A. Franchek, Ph.D. (ME)

Ioannis Kakadiaris, Ph.D. (CS)

Fatima Merchant, Ph.D. (Technology)

Ralph Metcalfe, Ph.D. (ME)

Haluk Ogmen, Ph.D. (ECE)

Jason Porter, Ph.D. (Optometry)

Vijaykrishna Raghunathan, Ph.D. (Optometry)

Paul Ruchhoeft, Ph.D. (ECE)

Wei-Chuan Shih, Ph.D. (ECE)

Navin Varadarajan, Ph.D. (ChBE)

Richard Willson, Ph.D. (ChBE)

Cunjiang Yu, Ph.D. (ME)

Wanda Zagodzón-Wosik, Ph.D. (ECE)

George Zouridakis, Ph.D. (Technology)



Department of Chemical & Biomolecular Engineering

Faculty

V. Balakotaiah. Cullen Distinguished Professor; Ph.D., University of Houston: reaction and transport processes engineering.

P. Bollini. Assistant Professor; Ph.D., Georgia Institute of Technology: Catalysis, chemical kinetics, separations, materials science.

P. Cirino. Associate Professor; Ph.D., California Institute of Technology: interfaces Chemical Engineering with the Biological Sciences, with emphases in biomolecular engineering, metabolic engineering, and biocatalysis.

J. Conrad. Frank M Tiller Professor; Ph.D., Harvard University: interaction between complex fluids (polymers, colloids, nanoparticles, bacteria, protozoa, cells) and the surfaces that confine or support them.

V.M. Donnelly. John and Rebecca Moores Professor; Ph.D., Pittsburgh: Plasma processing of electronic materials.

D. Economou. Cullen Distinguished Professor; Ph.D., Illinois: electronic materials, and plasma etching and deposition.

L. Grabow. The Dan Luss Associate Professor; Ph.D., University of Wisconsin: computational methods to understand and predict chemical processes that occur on solid-gas and solid-liquid interfaces.

M.P. Harold. Chair of Chemical and Biomolecular Engineering, Chair Professor; Ph.D., University of Houston: PE: chemical reaction systems, multi-functional chemical reactors, reaction-separation materials and devices.

A. Karim Dow Chair and Welch Foundation Professor, Director of Materials Engineering Program; Ph.D. Northwestern University: polymer surfaces, interfaces, nanocomposite films, combinatorial materials science

R. Krishnamoorti. Professor; Ph.D., Princeton: Polymeric Materials, Nanotechnologic and Drug Delivery.

T.J. Mountziaris. Department Chair and Professor; Ph.D., Princeton: synthesis and functionalization of semiconductor nanocrystals, biosensors, reaction engineering, multiphase flows.

M. Nikolaou. Professor; Ph.D., UCLA: computer-aided process engineering, control of microelectronic processes.

M. Orman. Assistant Professor; Ph.D., Rutgers University: Phenotypic heterogeneity in both bacterial and cancer cell populations and explores how this phenotypic heterogeneity impacts our health.

J. Palmer. Earnest J and Barbara Henley Assistant Professor; Ph.D., North Carolina State University: Molecular simulation, materials design, adsorption and transport, energy storage, catalysis.

J. Rimer. Abraham E. Dukler Professor; Ph.D., University of Delaware: focuses on crystal engineering, nanomaterials self-assembly, and pathological biomineralization at both the microscopic and macroscopic levels to address challenges of material synthesis and design.

M. Robertson. Associate Professor; Ph.D., University of California, Berkeley: Nanostructured polymeric materials, self-assembly, thermodynamics of polymer blends, structural characterization with light, neutron and x-ray scattering, biorenewable and biodegradable materials.

N. Varadarajan. M.D. Anderson Associate Professor; Ph.D., University of Texas at Austin: developing high throughput screens designed to characterize a wide range of functions ranging from the properties of proteins in single cells to antigen mediated cellular cytotoxicity.

P. Vekilov. John and Rebecca Moores Professor; Ph.D., Russian Academy of Sciences: Phase transitions in protein solutions.



R. Willson. Huffington- Woestemeyer Professor; Ph.D., Massachusetts Institute of Technology: biomolecular engineering, biomolecular recognition, and its applications in separations and molecular diagnostics.

Affiliated Faculty Members

S. Brankovic. Associate Professor of Chemical & Biomolecular Engineering and Electrical & Computer Engineering; Electrochemical Thin Film Growth, Magnetic Materials and Nanostructures, Nanofabrication, Electrocatalysis, Sensors, Physics and Thermodynamics of Electrified Interfaces.

J.M. Briggs. Professor of Biology and Biochemistry: Computational studies of protein structure and function, inhibitor design, investigations of possible inhibitor resistance pathways, and development of methods for the above work.

G. Fox. John and Rebecca Moores Professor of Biology and Biochemistry: Structure, function and evolution of RNA.

A. Jacobson. Robert A. Welch Chair of Science Professor of Chemistry: synthesis and properties of transition metal oxide systems with layered or framework structures.

R.T. Lee. Cullen Distinguished University Chair Professor of Chemistry: Design and synthesis of new types of polymeric materials including polymeric drugs and drug-delivery systems.

D. Litvinov. Professor of Electrical & Computer Engineering: Nanomagnetic materials devices and systems for biosensor, integrated circuit and data storage applications.

V. Tam. Professor of Pharmacy: Pharmacokinetics and Pharmacodynamics of antimicrobials, Mathematical modeling and simulation of biological processes, Mathematical modeling and simulation of biological processes.

Y. Yao. Associate Professor; Ph.D., University of California, LA: Materials design, synthesis and characterization for advanced batteries, polymers and organic materials for energy applications, perovskite solar cells.

Emeritus Faculty

R.W. Flumerfelt. Professor Emeritus; Ph.D., Northwestern: PE: polymer processing and interfacial phenomena, surface science.

E. J. Henley. Professor Emeritus; D.Sc., Columbia: PE: reliability, computer-aided design.

D.Luss. Cullen Distinguished Professor; Ph.D., Minnesota: Chemical reaction engineering.

C. Rooks. Professor Emeritus; Ph.D., University of Oklahoma; Diesel Emission Controls.



Department of Civil and Environmental Engineering

Faculty

Roberto Ballarini. Thomas and Laura Hsu Professor and Department Chair; Ph.D., Northwestern University; P.E., F.ASCE, F.EMI: solid and structural mechanics, fracture and fatigue, structural testing at very small scales, microelectromechanical systems, bioinspired design of composites.

Abdeldjelil Belarbi. Hugh Roy and Lillie Cranz Cullen Professor; Ph.D., University of Houston; P.E.: structural health monitoring, smart sensors, structural performance and durability in natural disasters, constitutive modeling of reinforced and prestressed concrete structures.

Amr Elnashai. Vice President/Vice Chancellor for Research and Technology Transfer; Ph.D., Imperial College University of London; Fellow of the Royal Academy of Engineering: earthquake response and assessment of buildings and bridges, regional earthquake impact assessment, mitigation, response and recovery, fire-following earthquakes, hybrid analytical-experimental simulation of complex structure-foundation systems.

Craig L. Glennie. Cullen College of Engineering Professor; Ph.D., University of Calgary (Canada); P.Eng.: remote sensing, LiDAR, navigation, kinematic geodesy.

Reagan S. Herman. Instructional Professor; Ph.D., University of Texas at Austin; P.E.: structural engineering, bridge engineering, field monitoring.

Vedhus Hoskere. Assistant Professor; Ph.D., University of Illinois at Urbana-Champaign: structural health monitoring, deep learning, robotic condition assessment of civil infrastructure, disaster resilience, computer vision, structural dynamics.

Thomas T. C. Hsu. John and Rebecca Moores Professor; Ph.D., Cornell University; P.E.: reinforced and prestressed concrete structures, structural mechanics, construction materials.

Xie Hu. Assistant Professor; Ph.D., Southern Methodist University: SAR remote sensing, geohazards, surface processes.

Dimitrios Kalliontzis. Assistant Professor; PhD., University of Minnesota Twin Cities: reinforced concrete, prestressed/precast concrete, masonry structures, seismic design, structural dynamics, computational modeling of structures.

Konrad J. Krakowiak. Assistant Professor; Ph.D., University of Minho: mechanics of materials and structures, multi-scale materials design, materials synthesis and characterization, micromechanics.

Hyongki Lee. Cullen College of Engineering Associate Professor; Ph.D., Ohio State University: satellite geodesy and remote sensing.

Hong-Yi Li. Assistant Professor; Ph.D., University of Illinois at Urbana-Champaign: hydrology and water resources.

Stacey Louie. Assistant Professor; Ph.D., Carnegie Mellon University: environmental nanotechnology.

Yi-Lung Mo. John and Rebecca Moores Professor; Ph.D., University of Hannover (Germany): structural engineering, earthquake engineering.

Mostafa Momen. Assistant Professor; Ph.D., Princeton University: environmental fluid mechanics, turbulence, resiliency under extreme weather events, CFD and fluid-structure interactions, data analytics.

Kalyana B. Nakshatrala. Associate Professor; Ph.D., University of Illinois at Urbana-Champaign: computational and theoretical mechanics; flow and transport in heterogeneous porous media, fluid-structure interaction.



Hanadi S. Rifai. John and Rebecca Moores Professor and Associate Dean, Research & Facilities; Ph.D., Rice University; P.E.: surface water and groundwater hydrology, contaminant transport and remediation, environmental modeling and geographic information systems.

William G. Rixey. Associate Professor and Associate Chair; Ph.D., University of California, Berkeley: hazardous waste processes.

Debora F. Rodrigues. Ezekiel Cullen Professor; Ph.D., Michigan State University: environmental microbiology and biotechnology.

Devin L. Shaffer. Assistant Professor; Ph.D., P.E., Yale University: membrane separations and water treatment.

Joseph W. Tedesco. Professor and Elizabeth D. Rockwell Dean; PhD., Lehigh University; P.E.: finite element modeling of structures, response of structures to dynamic loads, repair of concrete structures with FRP, wave propagation in elastic and inelastic media, high strain rate effects on materials and structures.

Cumaraswamy Vipulanandan. Professor; Ph.D., Northwestern University; P.E.: geomechanics, experimental methods, waste disposal.

Keh-Han Wang. Professor and Director of Engineering Graduate Program; Ph.D., Iowa State University: coastal/estuary hydrodynamics.

Adjunct Faculty

Ted Chu, Ph.D., P.E.

Ali Keyvani, Ph.D., P.E.

Mohamad Mansour, Ph.D., P.E.

Bulent Mercan, Ph.D., P.E.

Megan Siercks, M.C.E., P.E., PTOE, PTP

Jose Vazquez, Ph.D., P.E.

Daniel Wong, Ph.D., P.E.

Research Faculty

Juan Carlos Fernandez Diaz. Research Assistant Professor; Ph.D.; University of Florida: active remote sensing for 3D structural parameters and processes, lidar/radar synergy, environmental monitoring, archaeological prospection in tropical environments.

Preston Hartzell. Research Assistant Professor; Ph.D.; University of Houston; P.L.S.: remote sensing data fusion, sensor geometric and radiometric calibration, lidar waveform signal analysis, remote sensing system integration.

Emeritus Faculty

Dennis A. Clifford. Thomas and Laura Hsu Professor Emeritus; Ph.D., University of Michigan; P.E.: water treatment, ion exchange and membrane processes.

Osman I. Ghazzaly. Professor Emeritus; Ph.D., University of Texas at Austin: soil-structure interaction, behavior of expansive clays.

Kye J. Han. Associate Professor Emeritus; D.Sc., Washington University in St. Louis: structural engineering and mechanics.



Jerry R. Rogers. Associate Professor Emeritus; Ph.D., Northwestern University; P.E.: water resources and quality, stormwater runoff, urban planning.

James M. Symons. Cullen Distinguished Professor Emeritus; Sc. D., Massachusetts Institute of Technology; P.E. (retired): drinking water treatment, disinfection byproducts.

Kaspar J. Willam. Hugh Roy & Lillie Craz Cullen Distinguished University Professor Emeritus; Dr.-Ing. habil., University of Stuttgart (Germany); Ph.D., University of California, Berkeley: computational mechanics, finite elements.

Affiliated Faculty

Saurabh Prasad; Ph.D.; Mississippi State University.

Gangbing Song; Ph.D.; Columbia University.

Guoquan Wang; Ph.D; Institute of Geology, China.



Department of Electrical and Computer Engineering

Faculty

J. Bao. Associate Professor; Ph.D., University of Michigan; Applied Physics, Nano-engineering, solar cells.

A.T. Becker. Assistant Professor; Ph.D., University of Illinois at Urbana-Champaign; Swarm Robotics: distributed robotics, human-swarm interaction, medical robotics, and motion planning.

S. R. Brankovic. Associate Professor; Ph.D., Arizona State University: Magnetic materials and sensors, nanofabrication.

L. Chang. Research Associate Professor

Ji, Chen Professor; Ph.D., U. Illinois: Microprocessor full chip-level interconnect extraction, wireless communication system on chip (SOC) interconnect characterization, computer system EMC/EMI modeling, signal integrity analysis, bioelectromagnetics with applications to MRI systems, computational electromagnetics.

Jiefu Chen. Assistant Professor; Ph.D., Duke University.

Jinghong Chen. Associate Professor; Ph.D., University of Illinois at Urbana Champaign.

Y. Chen. Associate Professor; Ph.D., Washington University, St. Louis: Embedded reconfigurable systems, optical networks and system prototyping.

F. J. Claydon. Professor; Ph.D., Duke: Biomedical engineering.

J. L. Contreras-Vidal. Professor; Ph.D., Boston University: Cognitive and Neural Systems.

D. De La Rosa-Pohl. Instructional Faculty

R. Faghih. Assistant Professor; Ph.D., Massachusetts Institute of Technology; Controls, Estimation, and System Identification of Biomedical Systems; Data Science and Computational Methods for Biomedicine; Biomedical Signal Processing; Modeling Neural and Physiological Systems in Health and Disease; Brain-Machine Interface Design.

X.Fu. Assistant Professor; Ph.D., University of Florida; Computer architecture; Energy-efficient computing; High-performance computing; Hardware reliability and variability; Mobile computing; Heterogeneous computing; Emerging technologies; General-purpose computing on graphics processing units (GPGPUs); On-chip interconnection network.

Z. Han. Professor; Ph.D., University of Maryland: Wireless Networking and Signal Processing.

T. J. Hebert. Associate Professor; Ph.D., USC: Image and signal processing.

D. R. Jackson. Professor; Ph.D., UCLA: Applied electromagnetics, microstrip antennas, leaky-wave antennas, high-frequency effects, periodic structures, EMI/EMC.

H. S. Krishnamoorthy. Assistant Professor; Ph.D., Texas A & M College Station: High density power converters and control for utility grid integration of renewable energy (wind, solar, etc.), data centers, electric vehicles and adjustable speed drives; power electronics and health analytics for applications involving extreme environments or critical mission profiles such as downhole and subsea.

Y. Liang. Research Assistant Professor

H. (Harry) Le. Professor



X. Li. Assistant Professor

D. Litvinov. Professor, Vice Provost; Ph.D., Michigan: Micro/Nano fabrication.

M. Maynard. Research Assistant Professor

S. A. Long. Professor and Associate Dean Honors College; Ph.D., Harvard; PE: Applied electromagnetics and antenna design, printed-circuit and millimeter-wave radiators, microstrip and dielectric resonator antennas.

D. Mayerich. Assistant Professor; Ph.D., Texas A & M University; Biomedical imaging; Microscopy; Image processing; Parallel computing; GPU computing; Visualization and computer graphics.

H. Nguyen. Assistant Professor, Ph.D., University of Maryland; Machine learning; Computer vision; Medical image processing; Deep learning; Hyperspectral image processing; Precision medicine; Cancer diagnosis; Tumor segmentation and classification; Medical image synthesis; Dictionary learning and sparse coding; Domain adaptation and transfer learning; Dimensionality reduction; Rank-constrained optimization; 2D/3D shape representation.

H. Ogmen. Professor; Ph.D., Laval; PE: Neuro-engineering, vision.

M. Pan. Assistant Professor; Ph.D. University of Florida.

S. S. Pei. Professor; Ph.D., SUNY at Stony Brook: Optoelectronic devices, compound semiconductors.

S. Prasad. Assistant Professor, Ph.D., Mississippi State University; Geo-sensing and airborne mapping systems.

K. Rajashekara. Professor, Ph.D., Indian Institute of Science, Bangalore, India; Subsea electrical and power electronics systems, power conversion and drives for industrial and transportation applications, fuel cell based power generation systems, high temperature and high power converters, power conversion and intelligent energy management for renewable electric energy delivery for an efficient electric power grid/micro grid integrating highly distributed and scalable alternative power sources.

R. Reddy. Assistant Professor, Ph.D., Bioengineering, University of Illinois at Urbana Champaign; Medical Devices; Biomedical Imaging; Photonics; Image Processing; Biomedical Instrumentation; Spectroscopic Imaging; Mid-Infrared and Vibrational Spectroscopy; Optical Coherence Tomography; Optical Imaging; Tomography; Inverse Problems.

B. Roysam. Hugh Roy and Lillie Cranz Cullen University Professor and Chairman; D.Sc., Washington University; High Speed Computing for Image Analysis.

P. Ruchhoeft. Associate Professor, Ph.D. Houston. Nanolithography and nanofabrication, modeling of resist exposure and development, etching and thin-film deposition.

X. Shan. Assistant Professor, Ph.D.

D. Shattuck. Associate Professor and Associate Dean; Ph.D., Duke University; Well Logging.

B. R. Sheth. Associate Professor; Ph.D., Massachusetts Institute of Technology: Cognitive neuroscience.

W. C Shih. Associate Professor; Ph.D., Massachusetts Institute of Technology; Nanobiophotonics.

L. P. Trombetta. Associate Professor; Ph.D., Lehigh: Electrical properties of semiconductors and insulators used in electron devices, physics and electrical characterization of the metal-insulator-semiconductor system.

J. C. Wolfe. Professor; Ph.D., Rochester: Materials research, electron devices, microfabrication.

J. Wosik. Research Professor; Ph.D., Institute of Physics, Polish Academy of Science, Warsaw, Poland: Design and fabrication of magnetic resonance imaging probes.



Y. Yao. Assistant Professor; Ph.D., University of California Los Angeles; Nanomaterials and nanostructures for high energy density Li-ion batteries, Low cost and large scale energy storage for electricity grid applications, Nanophotonic structures for efficient solar-to electricity and solar-to-fuel conversion, Nanstructured thin-film solar cells for light trapping, materials and device physics in polymer solar cells and thin film transistors.

W. Zagodzón-Wosik. Associate Professor; Ph.D., Warsaw University of Technology, Poland: Semiconductor-integrated circuit-processing technology, electron devices, Micro-Electro-Mechanical Systems (MEMS).

Affiliated Faculty

E. A. Bering III. Professor of Physics and Electrical and Computer Engineering. B.A., Harvard University; Ph.D., University of California at Berkeley.

W. K. Chu. Distinguished University Professor of Physics and Professor of Electrical and Computer Engineering. B.S., Cheng-Kung University, Taiwan; M.S., Ph.D., Baylor University.

S.L. Johnsson. Cullen Distinguished Professor of Computer Science, Mathematics and Electrical and Computer Engineering. M.S., Ph.D., Chalmers Institute of Technology, Gothenburg, Sweden.

I. A. Kakadiaris. Professor of Computer Science, and Electrical and Computer Engineering; Ph.D., University of Pennsylvania.

J. Subhlok. Associate Professor, Computer Science and Electrical and Computer Engineering; Ph.D., Rice University.

C. Glennie. Assistant Professor, Department of Civil & Environmental Engineering Ph.D., Geometrics Engineering, University of Calgary, Calgary, Alberta.

K. Larin. Assistant Professor of Biomedical Engineering, Ph.D., University of Texas Galveston.

H. Malki. Professor of Engineering Technology, College of Technology; Ph.D., University of Wisconsin at Milwaukee.

F. Merchant. Assistant Professor of Engineering Technology.

Z. Ren. Professor of Physics; Ph.D., Chinese Academy of Sciences.

S. Shah. Associate Professor of Computer Science College of Natural Sciences and Mathematics; Ph.D., University of Texas, Austin.

W. Shireen. Professor of Engineering Technology, College of Technology; Ph.D., Texas A&M.

G. Song. Professor of Mechanical Engineering, Department of Mechanical Engineering, Ph.D., Columbia University.

T. S. Tian. Assistant Professor of Psychology.

C. Yu. Assistant Professor of mechanical Engineering; Ph.D., Arizona State University.

G. Zouridakis. Associate Professor, Department of Computer Science and Department of Electrical and Computer Engineering. Dr. Ing., University of Rome; M.S., Ph.D., University of Houston.

Adjunct Faculty

C. W. Chu. Temple Chair in Science and Electrical and Computer Engineering, and Professor of Physics. B.S., Cheng-Kung University, Taiwan; M.S., Fordham University; Ph.D., University of California at San Diego.



R. J. Barton. Adjunct Assistant Professor, NASA, Senior Staff Scientist.

M. Bilgen. Adjunct Professor.

B. A. Mounir. Adjunct Professor, Microelectronics Engineering, University of Quebec at Montreal.

M. E. Brandt. Adjunct Assistant Professor, School of Health Information Sciences, UT Health Science Center.

B. Godin Vilentchouk. Adjunct Assistant Professor, The Methodist Research Institute, Scientist, Assistant Member.

C. J. Hartley. Adjunct Professor, Department of Medicine (Cardiovascular Sciences), Baylor College of Medicine.

K. Jamel. Adjunct Professor, Department of Medicine (Cardiovascular Sciences), Baylor College of Medicine.

K. Kamel. Adjunct Professor, Texas Southern University, Computer Science Department.

M. Stanley. Adjunct Associate Professor, Industrial Consultant.

P. A. Narayana. Adjunct Professor, Department of Radiology, UT Health Science Center of Houston, Professor of Radiology and Director of Magnetic Resonance Research Operations.

J. N. Ortiz. Adjunct Professor.

A. K. Thittai. Adjunct Assistant Professor, UT Medical School - Houston.

T. T. Tran. Adjunct Assistant Professor, Texas Instruments, Embedded Hardware Systems Manager.

S. P. Tripathy. Adjunct Associate Professor, Optometry Department, University of Bradford (England)

H. Yin. Adjunct Professor.

Emeritus Faculty

E. J. Charlson. Professor Emeritus; Ph.D., Carnegie Mellon; PE: Solid-state and integrated circuits.

O. Crisan. Professor Emeritus; Ph.D., Timisoara (Romania): Power systems modeling and optimization, deregulation implementation.

B. H. Jansen. Professor Emeritus; Ph.D., Amsterdam: Biomedical signal processing, pattern recognition, knowledge-based systems, chaos theory and nonlinear modeling.

P. Y. Ktonas. Professor Emeritus; Ph.D., Florida: Bioengineering.

R. Liu. Professor; Ph.D., Jiatong (China): Subsurface sensing, well logging, RF and microwave circuits, wireless telecommunications, ground-penetrating radar, and EM tomography.

P. Markenscoff. Associate Professor Emeritus; Ph.D., Minnesota: High performance scientific computing, development of parallel algorithms for bioengineering applications, cellular automata, parallel processing.

L. S. Shieh. Professor Emeritus; Ph.D., Houston; PE: Control systems, hybrid control, self-tuning control.

J. T. Williams. Professor Emeritus; Ph.D., Arizona: Electromagnetic theory and applications.

D. R. Wilton. Professor Emeritus; Ph.D., Illinois: Computational electromagnetics, electromagnetic scattering radiation and penetration.



Department of Industrial Engineering

Faculty

Christopher Chung. Associate Professor; Ph.D., University of Pittsburgh: engineering management, manufacturing systems, management training and education simulators, simulation.

Qianmei (May) Feng. Associate Professor; Ph.D., University of Washington: quality control and reliability engineering, applied probability and statistics, probabilistic risk and cost-effectiveness analysis, Six Sigma.

Ali K. Kamrani. Associate Professor; Ph.D., University of Louisville: systems engineering, innovative design, modularity, free form fabrication and rapid manufacturing, complexity analysis, data mining and intelligent decision support systems.

Suresh Khator. Professor and Associate Dean; Ph.D., P.E., Purdue University: modeling of healthcare, energy and manufacturing systems, facilities design, simulation, and project management.

Taewoo Lee. Assistant Professor; Ph.D., University of Toronto.

Gino J. Lim. Professor and Chair; Ph.D., University of Wisconsin - Madison: numerical optimization, operations research applications in health systems, process control, stochastic programming, and disaster planning and management.

Jiming Peng. Associate Professor, Ph.D., Delft University of Technology: optimization modeling, theory, and algorithm design with applications in healthcare, financial engineering, and big data.

Lawrence J. Schulze. Associate Professor and US Navy Campus Liaison Officer; Ph.D., P.E., C.P.E., Texas A&M University: ergonomics, safety engineering system design and evaluation.

Randal Sitton. Instructional Associate Professor; Ph.D., University of Houston.

Yaping Wang. Instructional Assistant Professor; Ph.D., Texas A&M University.



Department of Materials Science and Engineering Faculty

H. Ardebili. Assistant Professor; Ph.D., University of Maryland. Lithium-Ion Batteries, Polymer Nanocomposite Electrolytes, Lithium-Ion Conduction, Materials for Energy Storage, Electronics Materials.

D. Litvinov. Professor and Associate Vice Provost/Dean, Graduate School; Ph.D., Michigan. Micro/Nano fabrication.

P. Ruchhoeft. Associate Professor; Ph.D., University of Houston. Nanolithography and nanofabrication, modeling of resist exposure and development, etching and thin-film deposition.

J. Ryou. Assistant Professor; Ph.D., University of Texas. Materials Science and Engineering, semiconductor materials, Photonic/electronic devices, nanotechnology.

V. Selvamanickam. M. D. Anderson Distinguish Professor; Ph.D., University of Houston. Materials science and engineering, superconductivity.

P. Sharma. M.D. Anderson Chair Professor and Department Chair Nanomechanics of Materials Professor; Ph.D., University of Maryland: mechanics.

W. C Shih. Assistant Professor; Ph.D., Massachusetts Institute of Technology; Nanobiophotonics

G. Stein. Assistant Professor; Ph.D., University of California, Santa Barbara. Polymer thin films; self-assembly; dynamics at surfaces and interfaces; diffusion in polymer films; optical and electron-beam lithography; alternative nanofabrication techniques; x-ray scattering.

L. Sun. Associate Professor; Ph.D., Johns Hopkins University. Biomechanical systems.

S. Wang. Distinguished University Professor; Sc. D., MIT. Solid mechanics, materials science and engineering, superconductivity.

K. White. Professor Emeritus; Ph.D., Washington (Seattle). Materials science, ceramics, metallurgy.

Y. Yao. Assistant Professor; Ph.D., University of California, Los Angeles. Nanomaterials and nanostructures for high energy density Li-ion batteries, low cost and large scale energy storage for electricity grid applications, nanophotonic structures for efficient solar-to-electricity and solar-to-fuel conversion, nanostructured thin-film solar cells for light trapping, materials and device physics in polymer solar cells and thin-film transistors.

C. Yu. Assistant Professor; Arizona State University; flexible/stretchable electronics, micro-electro-mechanical systems (MEMS), additive printing, solids state electronics, energy harvesting storage.



Department of Mechanical Engineering

Faculty

Dr. Ashutosh Agrawal

Assistant Professor of Mechanical Engineering

Research Interests: Biophysics, Mechanics of Surfaces and Interfaces

Dr. Daniel Araya

Assistant Professor of Mechanical Engineering

Research Interests: Vortex dynamics, free-shear flows, flow visualization techniques, hydrodynamic stability, flow control, urban aerodynamics, energy storage, biological flows, space exploration

Dr. Haleh Ardebili

Bill D. Cook Associate Professor of Mechanical Engineering

Research Interests: Lithium Ion Batteries, Polymer Nanocomposite Electrolytes, Lithium Ion Conduction, Materials for Energy Storage, Electronics Materials

Dr. Richard B. Bannerot

Professor of Mechanical Engineering

Research Interests: Thermal sciences and engineering education

Dr. Theocharis Baxevanis

Assistant Professor of Mechanical Engineering

Research Interests: Deformation and failure response of inelastic materials - Continuum thermodynamics; Fracture mechanics; Computational micromechanics; Localization and bifurcation

Dr. Christiana Chang

Instructional Assistant Professor of Mechanical Engineering

Dr. Xuemei Chen

Instructional Assistant Professor of Mechanical Engineering

Dr. Yi-Chao Chen

Professor and Graduate Director of Mechanical Engineering

Research Interests: Solid Mechanics

Dr. Matthew A. Franchek



Professor of Mechanical Engineering

Research Interests: Dynamic Systems, Measurement and Control-Linear and nonlinear system identification, information synthesis, multivariable control theory, nonlinear control theory, controller design, diagnostics/prognostics, and targeted adaptive control

Dr. Hadi Ghasemi

Bill D. Cook Assistant Professor of Mechanical Engineering

Research Interests: Thermodynamics, Heat transfer and Nanotechnology

Dr. Karolos Grigoriadis

John and Rebecca Moores Professor of Mechanical Engineering & Director of Aerospace Engineering

Research Interests: Dynamic Systems and Controls-Feedback control systems analysis and design, linear and nonlinear systems theory, robust and fault-tolerant control, model reduction, filtering

Dr. Farah Hammami Ep Kammoun

Lecturer of Mechanical Engineering

Research Interests: Nanostructured materials, atomistic simulations, computational mechanics

Dr. Phaneendra Kondapi

Instructional Professor, Director of the Subsea Engineering program and Director of Engineering Programs at Katy Campus

Research Interests: Flow assurance, subsea processing, process simulation

Dr. Yashashree Kulkarni

Associate Professor of Mechanical Engineering

Research Interests: Computational mechanics and materials science

Dr. Dong Liu

Associate Professor of Mechanical Engineering

Research Interests: Microscale Thermal Transport Phenomena

Dr. Holley Love

Research Interests: Mechanical Circulatory Support, Fluid Mechanics and Heat Transfer in Biomedical Applications, Bioreactors, and Numerical Modelling

Dr. Philippe Masson

Assistant Professor of Mechanical Engineering

Research Interests: Power applications of superconductivity, electromechanical systems, numerical modeling, multi-physics simulations

Dr. Anastassios Mavrokefalos

Assistant Professor of Mechanical Engineering

Research Interests: Heat Transfer, Thermal Management, Micro/nanoscale Energy Transport, Solid State Energy Conversion



Dr. Ralph Metcalfe

Professor of Mechanical Engineering

Research Interests: Fluid Mechanics

Dr. Andrea Prosperetti

Distinguished Professor of Mechanical Engineering

Research Interests: Multiphase flow, scientific computing, fluid dynamics, applied mathematics, bubble dynamics

Dr. Jagannatha Rao

Associate Professor and Associate Chair of Mechanical Engineering

Research Interests: Mathematical Optimization Theory and Algorithms-Parametric nonlinear programming, multilevel algorithms, duality in mechanical design models, game theory

Dr. Jae-Hyun Ryou

Assistant Professor of Mechanical Engineering

Research Interests: Materials Science and Engineering - Semiconductor materials, Photonic/electronic devices, Nanotechnology

Dr. Venkat Selvamanickam

M.D. Anderson Chair Professor of Mechanical Engineering

Research Interests: Epitaxial thin film growth by PVD and CVD, Single-crystalline films on polycrystalline/amorphous substrates, Solidification and crystal growth, Oxide & nitride materials, Roll-to-roll thin film coatings on flexible substrates, Bulk ceramic processing, Control of nano-scale interfacial and bulk defects, Texture evolution and grain boundary control, Nucleation and growth kinetics in vapor phase and liquid phase growth

Dr. Pradeep Sharma

M.D. Anderson Chair Professor & Department Chair of Mechanical Engineering

Research Interests: Theoretical and computational materials science, physics of nanostructures and nanomaterials, atomistic simulations, flexoelectricity, nanoscale piezoelectricity

Dr. Gangbing Song

John and Rebecca Moores Professor of Mechanical Engineering

Research Interests: Smart materials and Structures-Adaptive control, Robust control, Dynamics, Robotics, Friction Compensation

Dr. Li Sun

Professor and Graduate Admissions Director of Mechanical Engineering and Aerospace Engineering

Research Interests: Nano-scale Materials Science-Size effects on thermal, electrical and mechanical properties of materials; Nanomagnetism and spin transport in thin films, multilayers, nanowires

Dr. Su Su Wang



Hugh Roy and Lillie Cranz Cullen Professor

Research Interests: Solid Mechanics, Materials Science and Engineering-Solid Mechanics, Composite Materials, Materials Science and Engineering

Dr. Ken W. White

Professor of Mechanical Engineering

Research Interests: Materials Science and Engineering-Ceramic Microstructure development, Mechanical behavior of ceramics and thin films. Electrical-mechanical coupling in ferroelectric thin films.

Dr. Di Yang

Assistant Professor of Mechanical Engineering

Research Interests: Computational fluid dynamics; large-eddy simulation and direct numerical simulation of turbulent flows; renewable wind, tidal and wave energy; environmental fluid mechanics; ocean optics; high-performance scientific computing

Dr. Cunjiang Yu

Bill D. Cook Assistant Professor of Mechanical Engineering

Research Interests: Flexible/stretchable electronics, Micro-Electro-Mechanical Systems (MEMS), Nano-Micro-Macro Manufacturing, Additive Printing, Biomedical Electronics and Sensors, Micro-Nano Materials and Devices, Solid State Electronics, Energy Harvesting and Storage

Adjunct Faculty

Dr. John Alred

Adjunct Professor

Dr. Benton Baugh

Adjunct Professor

Dr. Fazle Hussain

Adjunct Professor

Dr. William J. Thomas

Adjunct Professor

Research Interests: Metal forming and manufacturing, Drilling geomechanics, Cryogenic containment design

Emeritus Faculty

Dr. Hal Brinson

Professor Emeritus



Research Interests: Experimental Mechanics, Mechanical Properties and Characterization of Adhesives, Composites and Polymers, Viscoelasticity, Accelerated Life Prediction Methods

Dr. Charles Dalton

Professor Emeritus

Research Interests: Fluid Mechanics-Computational fluid dynamics applied to flow past bluff bodies.

Dr. Stanley Kleis

Professor Emeritus

Research Interests: Fluid Mechanics-Turbulent shear flows and fluid mechanics, solid-liquid two phase flows, mass transfer in micro gravity, stratified flows

Dr. John Lienhard

M.D. Anderson Professor of Technology and Culture, Emeritus

Research Interests: Cultural History and Public Radio. (Formerly Thermal Sciences, thermodynamics and Boiling.)

Dr. Alan Powell

Professor Emeritus

Research Interests: Acoustics and Aeroacoustics

Dr. Kamel Salama

Professor Emeritus

Research Interests: Materials Science and Metallurgy-Materials Characterization and Processing, Hydrogen Embrittlement, Metal-Matrix Composites, Superconducting Materials

Dr. Nagaraja Shamsundar

Professor Emeritus

Research Interests: Thermal sciences-Design of energy systems, thermodynamic properties

Dr. Lewis T. Wheeler

Professor Emeritus

Research Interests: Continuum Mechanics-Mathematical Elasticity Theory, Lattice Dynamics and Structure

Dr. Larry Witte

Professor Emeritus

Research Interests: Thermal Sciences-Forced and natural convection; boiling heat transfer; sliding bubble heat transfer

Research Faculty



Dr. Akira Miyase

Research Professor

Research Interests: Solid Mechanics, Materials Science and Engineering-Solid Mechanics, Composite Materials, Materials Science and Engineering



Petroleum Engineering Faculty

- F. Aminzadeh.** Research Assistant Professor, PhD, Data Analytics and Machine Learning
- R. Chokshi.** Adjunct Faculty. PhD, The University of Tulsa: Artificial Lift and multi-phase flow optimization.
- B. Dindoruk.** Faculty. PhD, Stanford University: Enhanced oil recovery, reservoir recovery mechanism, hydrocarbon fluid properties and phase equilibria and reservoir engineering.
- C. Ehlig-Economides.** Professor and Hugh Roy and Lillie Cranz Cullen Distinguished University Chair. PhD, Stanford University: Reservoir engineering, pressure transient analysis, integrated reservoir characterization, complex well design, and production enhancement.
- S. Farouq-Ali.** Professor. PhD, Pennsylvania State University: Thermal Recovery.
- R. Gonzales.** Adjunct Faculty. PhD, Universidad Central de Venezuela: Reservoir Characterization, Risk Analysis and Data Science.
- L. A. Hathon.** Assistant Professor. PhD, University of Missouri: Formation evaluation, rock properties - conventional and unconventional reservoirs.
- D. G. Hatzignatiou.** Professor, PhD, University of Tulsa: Reservoir engineering.
- R. Hollo.** Adjunct Faculty. PhD, University of Texas at Austin: Petroleum economics and energy markets.
- K. Lee.** Assistant Professor. PhD, Texas A&M University: Fluid and heat flow in porous/fractured media, reservoir simulation, unconventional resources.
- M. Marongui-Porcu.** Adjunct Faculty. PhD, Texas A&M University: Production Engineering.
- M. Myers.** Associate Professor and Ali Daneshy Endowed College Professor of Petroleum Engineering. PhD, University of Michigan: Formation evaluation, rock properties, geomechanics, petrophysics, and Ali Daneshy Endowed College Professor of Petroleum Engineering.
- G. Qin.** Associate Professor and Society of Petroleum Engineers Gulf Coast Section Endowed College Professor of Petroleum Engineering. PhD: University of Wyoming: Reservoir simulations.
- D. C. Rietz.** Adjunct Faculty. MS, University of Houston: Numerical reservoir simulation.
- A. Sakhae Pour. Assistant Professor.** PhD, University of Texas at Austin: Pore-scale processes, Petrophysics ,Geomechanics, Unconventional resources.
- R. Samuel.** Adjunct Faculty. PhD, University of Tulsa: Drilling engineering, well engineering, drilling optimization, complex well architecture.
- M. Soliman.** Professor and William C. Miller Endowed Chair Professor. PhD, Stanford University: Well test analysis, diagnostic testing, fracturing and numerical simulation.
- G.Thakur.** Professor and Director of UH Energy Industrial Partnerships. PhD, Pennsylvania State University: Reservoir characterization and dynamics.
- G. Wong.** Associate Professor. PhD, Stanford University: Well completion, sand failure prediction/quantification, production engineering, fracture mechanics, geomechanics.



Hotel and Restaurant Management

- About the Hilton College of Hotel and Restaurant Management
- Admission Policies
- Academic Policies
- Grievance Policy
- Faculty
- Programs
- Courses

Programs

Master

- Global Hospitality Business, MS
- Hospitality Management, MS
- The Executive Master of Hospitality Management, MHM

Doctoral

- Hospitality Administration, PhD

Dual Degree - Accelerated Pathway

- Hotel and Restaurant Management and Hospitality Management, BS/MS

Dual Degree - Graduate

- Hospitality Management, MS/MBA

Graduate Certificate

- Hospitality Decision Making & Analytics, Certificate



Conrad N. Hilton College of Hotel and Restaurant Management

Conrad N. Hilton College of Hotel and Restaurant Management

- About the Hilton College of Hotel and Restaurant Management
- Admission Policies
- Academic Policies
- Grievance Policy
- Faculty
- Programs
- Courses

Global Hospitality Business, MS

Conrad N. Hilton College of Hotel and Restaurant Management > Global Hospitality Business, MS

Hilton College offers an exclusive Master of Science in Global Hospitality Business degree, thanks to a first-of-its-kind partnership with the top hospitality programs in Europe and Asia-Ecole hôtelière de Lausanne and the School of Hotel and Tourism Management at The Hong Kong Polytechnic University.

This truly global program provides select students with an extensive understanding of world markets and firsthand experience of local cultures across three continents. Students spend their first term at EHL in Switzerland, their second at PolyU in Hong Kong, and their third stateside at Hilton College.

Designed in close collaboration with top players in the hotel, tourism and service industries, the Global Hospitality Master's program offers unparalleled professional immersion through a unique and personalized capstone project, professional certifications and business field trips to global tourism hubs like New York, Paris and Macau.

With access to three global alumni networks and ties to industry across the globe, this program paves the way to an international career.

Admission Requirements

Students who have successfully completed the US equivalent of a BS degree, in Hotel and Restaurant Management or a related field, with a minimum of 3.0/4.0 GPA, all official college transcripts for all institutions attended (including English translations if needed), a minimum of one year hospitality-related work experience, completed statement of intent, and two letters of recommendation will be considered after successful completion of the application. Satisfactory TOEFL and IELTS scores are required for international students who have not completed a degree from the US or another English-speaking country. Visit www.uh.edu/graduate-school/admissions/international-students/ for more information. All applications require payment of an application fee (\$50 domestic applicants/\$125 international applicants).

A Skype or other distance-conducted interview will be required for students who have met all admission criteria and after approval by the MS GHB applicant selection committee. The interview will be administered by the Director of International Programs after a date and time is established that accommodates both the applicant and the interviewer.

For more application information please view <http://uh.edu/hilton-college/students/future-students/graduate-admissions/ms-global-hospitality-business/admission-requirements/global-masters-admissions.pdf>.

Degree Requirements



Credit hours required for this degree: 39.0

All MS degree candidates must complete 39 semester credit hours of graduate coursework over the course of three (3) terms in each the three (3) designated partner locations to receive their graduate degree from either UH or one of the other two partnering institutions.

The credit hours necessary for graduation from this program are as follows:

Required Courses

- HRMA 6378 - Hospitality Real Estate Finance **Credit Hours: 3.0**
- HRMA 7369 - Hospitality Financial Assets & Planning Management **Credit Hours: 3.0**
- HRMA 6382 - Meth of Res in Hospitality Ind **Credit Hours: 3.0**
- HRMA 6321 - Hosp. Business Strategies in Asia **Credit Hours: 3.0**
- HRMA 7353 - Services Management in Hosp. **Credit Hours: 3.0**
- HRMA 7366 - Hospitality Management Strategies **Credit Hours: 3.0**
- HRMA 7334 - Pricing and Revenue Management in Hospitality **Credit Hours: 3.0**
- HRMA 6324 - Hospitality Business Strategies in the Americas & the Caribbean **Credit Hours: 3.0**
- HRMA 6317 - Innovative Hosp. Technologies **Credit Hours: 3.0**
- HRMA 6340 - Organizational Behavior & Hospitality Leadership Strategies **Credit Hours: 3.0**

Prescribed Elective Courses

- HRMA 63XX: Rotates each cohort **Credit Hours: 3.0**

Other

- HRMA 6368 - Career Capstone Project **Credit Hours: 3.0**

Academic Policies

- University of Houston Academic Policies
- College Academic Policies

Hospitality Administration, PhD

Conrad N. Hilton College of Hotel and Restaurant Management > Hospitality Administration, PhD

The Conrad N. Hilton College of Hotel and Restaurant Management at the University of Houston offers a Doctor of Philosophy (PhD) degree program in Hospitality Administration that is designed to prepare students for the role of hospitality researchers and/or professors at a research oriented university or organization. The program provides a theoretical (conceptual) foundation, practical knowledge, research development, and critical thinking skills for hospitality administration.

The Hospitality Administration PhD explores most food and beverage (e.g., catering), club (e.g., private clubs), convention and event planning, airline food and beverage service, cruise ship management, and all other tourism/hospitality disciplines. The topics include finance, marketing, accounting, human resources, service, and general management in relation to the hospitality industry.

The Doctor of Philosophy (PhD) objectives are:



- To develop teaching skills for both undergraduate and graduate levels
- To disseminate information about the hospitality industry
- To develop theory and add knowledge to the field
- To identify problems through analysis
- To identify solutions from competing alternatives through quantitative and qualitative metrics
- To effectively communicate research outcomes
- To develop grantsmanship capabilities

For more information, please visit <http://www.uh.edu/hilton-college/students/future-students/graduate-admissions/phd-hospitality-administration/>.

Admission Requirements

Students who have successfully completed the US equivalent of an MS degree in Hospitality Management or a similar degree with an overall grade point average (GPA) of 3.2 on a 4.0 point scale for their last completed degree and a GMAT or GRE score in the upper 35th percentile taken within the last five years will be considered after successful completion of the graduate application process. Satisfactory TOEFL and IELTS scores are required for international students who have not completed a degree from the US or another English-speaking country. For more information, visit www.uh.edu/graduate-school/admissions/international-students/ for more information. Applications require payment of an application fee (\$50 domestic applicants/\$125 international applicants).

A Skype or other distance-conducted interview will be required for students who have met all other admission criteria and after approval by the PhD applicant selection committee. The interview will be administered by the PhD selection committee after a date and time is established that accommodates both the selection committee and the applicant.

Degree Requirements

Credit hours required for this degree: 57.0

All PhD degree candidates must complete a minimum of 57 semester credit hours of graduate coursework, at least 42 of which must be earned at the Hilton College.

The curriculum for this program requires students to complete courses in four areas, including hospitality management core courses; prescribed electives; free electives, and completion of a dissertation. Students must pass a written candidacy exam and both a written and oral comprehensive exam to be eligible for enrollment in dissertation credit hours.

Up to 15 hours of elective credits can include non-HRMA courses with prior faculty advisor approval. Students can enroll in and transfer up to nine credit hours of courses from other approved universities while enrolled in the PhD program.

Core Courses

Hotel and Restaurant Administration Core Courses (6 Credit Hours)

- HRMA 8310 - Teaching Methods in Hospitality Administration **Credit Hours: 3.0**
- HRMA 8320 - Guided Research in Hospitality Industry **Credit Hours: 3.0**

Research Methods Core Courses (6 Credit Hours)

- HRMA 8304 - Qualitative Design in Hospitality Administration **Credit Hours: 3.0**
- HRMA 8305 - Grant Writing in Hosp Industry **Credit Hours: 3.0**



Data Analysis Core Courses (9 Credit Hours)

HRMA 8303 - Multivariate Analysis in Hospitality Administration **Credit Hours: 3.0**

Two approved advanced data analysis courses from outside or inside the College.

Seminar Core Courses (3 Credit Hours)

HRMA 8188 - Ph.D. Colloquium **Credit Hours: 1.0**

Dissertation Courses (18 Credit Hours)

HRMA 8398 - Research Proposal in Hospitality Administration **Credit Hours: 3.0**

HRMA 8X99 - Doctoral Dissertation Research **Credit Hours: 3.0**

Prescribed Elective Courses

HRMA 6309 - Legal Issues-Hospitality Ind **Credit Hours: 3.0**

HRMA 6360 - Graduate Directed Practicum **Credit Hours: 3.0** (PP Only)

HRMA 7334 - Pricing and Revenue Management in Hospitality **Credit Hours: 3.0**

HRMA 7337 - Human Resources in Hospitality **Credit Hours: 3.0**

HRMA 7341 - Food and Beverage Management **Credit Hours: 3.0**

HRMA 6343 - Beverage Management **Credit Hours: 3.0**

HRMA 6351 - Lodging Operations Mgmt **Credit Hours: 3.0**

HRMA 7353 - Services Management in Hosp. **Credit Hours: 3.0**

HRMA 7361 - Hospitality Marketing Analysis **Credit Hours: 3.0**

HRMA 7366 - Hospitality Management Strategies **Credit Hours: 3.0**

HRMA 7369 - Hospitality Financial Assets & Planning Management **Credit Hours: 3.0**

HRMA 7397 - Selected Topics in Hospitality Management **Credit Hours: 3.0**

HRMA 6397 - Selected Topics **Credit Hours: 3.0**

HRMA 8320 - Guided Research in Hospitality Industry **Credit Hours: 3.0**

Academic Policies

College Academic Policies

University of Houston Academic Policies

Students may be required to take additional courses to overcome any deficiencies as determined by the graduate programs office. Students must enroll in a minimum of nine (9) on-campus credit hours per semester.

Hospitality Decision Making & Analytics, Certificate

Beginning Spring 2019

The graduate certificate program in Hospitality Decision Making & Analytics provides a foundation to better prepare hospitality students for the ever-demanding and changing work force in the industry. The curriculum will provide and understanding of the economic, political, and cultural forces that are shaping hospitality organizations. The program is designed to enable graduates to meet the intellectual and practical challenges of managing dynamic careers in the hospitality sector.



Please visit the Conrad N. Hilton College of Hotel and Restaurant Management Degree Programs page for more information.

Admission Requirements

Application Requirements

Earned a Bachelor's degree from an accredited institution of higher education.

A cumulative grade point average of 3.00 or higher for unconditional admission. Applicants with a cumulative GPA between 2.60 and 3.00 in the last 60 hours of coursework may be considered for conditional admissions.

No official GRE or GMAT is required.

English Proficiency Exam (TOEFL or IELTS) is required in certain conditions to demonstrate proficiency in English.

2 letters of recommendation.

Application fee:

\$50 for domestic student

\$125 for international student

For more on admissions, please visit the Conrad N. Hilton College of Hotel and Restaurant Management Graduate Admissions page.

Degree Requirements

Credit hours required for this certificate: 12.0

The Certificate in Hospitality Decision Making & Analytics is a 12 SCH program in which students must complete the following courses:

Required Courses (9.0 Credits Hours)

HRMA 6330 - Statistical Data Analysis in the Hospitality Industry **Credit Hours: 3.0**

HRMA 6360 - Graduate Directed Practicum **Credit Hours: 3.0**

HRMA 6397 - Selected Topics **Credit Hours: 3.0**

Topic(s):

Business Analytics

Elective Courses (3 Credit Hours)

Choose from the following:

HRMA 6381 - Strategic Decisions Making in the Hospitality Industry **Credit Hours: 3.0**

HRMA 7369 - Hospitality Financial Assets & Planning Management **Credit Hours: 3.0**

HRMA 7334 - Pricing and Revenue Management in Hospitality **Credit Hours: 3.0**

HRMA 7361 - Hospitality Marketing Analysis **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies

Hospitality Management, MS



The Master of Science in Hospitality Management (MS) degree program is designed to meet the hospitality industry's need for individuals who have a variety of professional and academic skills and advanced specialized abilities necessary to excel in the increasingly demanding arena of hospitality management. Individuals who develop these advanced skills can seek and fill hospitality management positions at the corporate and operational levels and in the field of hospitality education.

The MS degree is a two-year program that has been designed to develop effective and innovative hospitality industry managers and that attracts students from all over the world, bringing a multicultural quality to the learning environment. As a result, graduates of the Conrad N. Hilton College are serving in managerial positions worldwide with the finest firms in the hospitality industry, as well as teaching in higher education.

For more information, please see <http://www.uh.edu/hilton-college/students/future-students/graduate-admissions/ms-hospitality-management/>.

Admission Requirements

Students who have successfully completed the US equivalent of a BS degree, preferably in Hotel and Restaurant Management or a related field, with a minimum of 3.0/4.0 GPA, will be considered after successful completion of the graduate application process. Satisfactory TOEFL and IELTS scores are required for international students who have not completed a degree from the US or another English-speaking country. For more information, visit www.uh.edu/graduate-school/admissions/international-students/. All applications require payment of an application fee (\$50 domestic applicants/\$75 international applicants).

Required:

- Resume
- Personal Statement
- Three Letter of Recommendation
- 3.0+GPA and a bachelor's degree
- One year of experience, more is preferred
- Mandatory Interview with Program Manager
- English Language Proficiency Scores - TOEFL, IELTS or Duolingo (International Students)

A Skype or other distance-conducted interview will be required for students who have met all other admission criteria and after approval by the MS applicant selection committee. The interview will be administered by the graduate programs office after a date and time is established that accommodates both the applicant and the interviewer.

Degree Requirements

All MS degree candidates must complete a minimum of 36 semester credit hours of graduate coursework, at least 27 of which must be earned at the Hilton College.

The curriculum for this program requires students to complete courses in five areas, including hospitality management core courses; support and focus courses; electives; and a thesis, a professional paper and practicum, or an additional elective and practicum. Up to nine hours of elective credits can include non-HRMA courses with prior advisor approval.

Students can choose either the professional or research track to complete this degree.

Core Courses (Required)

HRMA 6101 - Colloquium **Credit Hours: 1.0**



HRMA 6330 - Statistical Data Analysis in the Hospitality Industry **Credit Hours: 3.0**
HRMA 7353 - Services Management in Hosp. **Credit Hours: 3.0**
HRMA 7369 - Hospitality Financial Assets & Planning Management **Credit Hours: 3.0**
HRMA 6381 - Strategic Decisions Making in the Hospitality Industry **Credit Hours: 3.0** (Professional track only)
HRMA 6382 - Meth of Res in Hospitality Ind **Credit Hours: 3.0** (Research track only)
HRMA 6360 - Graduate Directed Practicum **Credit Hours: 3.0** (Not required if completing a thesis)
HRMA 6190 - Hospitality Research Proposal **Credit Hours: 1.0**
(Research track only)
HRMA 6290 - Professional Paper I **Credit Hours: 2** (Professional paper only)
HRMA 6599 - Thesis I **Credit Hours: 5** (Thesis only)

Research Track Core Total 19.0

Professional Track Core Total Credits 16.0

Support Courses (9.0 Credit Hours Required)

HRMA 6309 - Legal Issues-Hospitality Ind **Credit Hours: 3.0**
HRMA 7337 - Human Resources in Hospitality **Credit Hours: 3.0**
HRMA 7341 - Food and Beverage Management **Credit Hours: 3.0**
HRMA 7361 - Hospitality Marketing Analysis **Credit Hours: 3.0**
HRMA 7366 - Hospitality Management Strategies **Credit Hours: 3.0**
HRMA 6397 - Hospitality Real Estate Finance **Credit Hours: 3.0**
HRMA 6397 - Selected Topics **Credit Hours: 3.0**
Open **Credit Hours: 3.0**

Support Total 9.0

Focus Courses (3.0 Credit Hours Required)

HRMA 7334 - Pricing and Revenue Management in Hospitality **Credit Hours: 3.0**
HRMA 6343 - Beverage Management **Credit Hours: 3.0**
HRMA 6351 - Lodging Operations Mgmt **Credit Hours: 3.0**
HRMA 6357 - Gaming and Casino Mgmt **Credit Hours: 3.0**
HRMA 6397 - Contract Food Service Management **Credit Hours: 3.0**
HRMA 6397 - Selected Topics **Credit Hours: 3.0**

Focus Total 3.0

Elective Courses

Consists of any graduate level HRMA courses that have not been taken for the above requirements and non-HRMA classes as approved by academic advisor.

Research Track Elective Total Credits 5.0



Consists of any graduate level HRMA courses that have not been taken for the above requirements and non-HRMA classes as approved by academic advisor.

Professional Track Elective Total Credits 8.0

Total Credit Hours for MS: 36.0

Academic Policies

College Academic Policies

University of Houston Academic Policies

Core curriculum hours cannot be waived under any circumstances. The program director and instructor of any particular core course must approve all substitutions. All coursework substituted in this manner must be completed at the 6000 level or above. A general petition is required.

Hospitality Management, MS/MBA

Conrad N. Hilton College of Hotel and Restaurant Management > Hospitality Management MS/MBA

This three-year degree is offered through a partnership between Hilton College and the University of Houston's C.T. Bauer College of Business. Through this program, students earn both an MS and MBA in less time than it would take to earn each degree independently. This opportunity enables students to prepare for careers in which business and hospitality overlap.

For more information, please visit the [Hospitality Management, MS/MBA program page](#).

The Dual Masters MS/MBA Degrees

Program Description

The Conrad N. Hilton College of Hotel and Restaurant Management and the C.T. Bauer College of Business Administration offer a joint degree program that enables students to prepare for careers in which business and hospitality overlap. By pursuing both the Master of Science (MS) in Hospitality Management and the Master of Business Administration (MBA) degrees concurrently, students can complete both degrees in a shorter time period than if they were to pursue the two independently. The joint MS/MBA program requires a minimum of 63 semester hours.

Application Process

Participation in the joint MS/MBS program requires separate applications to and acceptance by each of the participating schools within a calendar year. Applicants must meet the admission requirements of the two colleges before being admitted by petition to the joint MS/MBA program. Admission to one college has no official bearing on admission to the other.

Visit each program's website for more information about each degree



Admission Requirements

Participation in the joint MS/MBS program requires separate applications to and acceptance by each of the participating schools within a calendar year. Applicants must meet the admission requirements of the two colleges before being admitted by petition to the joint MS/MBA program. Admission to one college has no official bearing on admission to the other.

Degree Requirements

Credit hours required for this degree: 36.0

All MS degree candidates must complete a minimum of 36 semester credit hours of graduate coursework, at least 27 of which must be earned at the Hilton College.

The curriculum for this program requires students to complete courses in five areas, including hospitality management core courses; support and focus courses; electives; and a thesis, a professional paper and practicum, or an additional elective and practicum. Up to nine hours of elective credits can include non-HRMA courses with prior advisor approval.

Students can choose either the professional or research track to complete this degree.

Academic Policies

University Academic Policies

Hotel and Restaurant Management and Hospitality Management, BS/MS

Conrad N. Hilton College of Hotel and Restaurant Management > Hotel and Restaurant Management and Hospitality Management, BS/MS

For students who want to pursue a Bachelor of Science (BS) in Hotel and Restaurant Management and earn a Master of Science (MS) in Hospitality Management, the dual BS/MS program offers an accelerated degree program to earn both in five years. The dual BS/MS provides a clear and concise path toward accelerated academic goals and enables students to begin concentrated work on a professional focus in the hospitality industry during the final year of their BS degree plan. High-achieving undergraduate students who are accepted into this program can complete 12.0 Credit Hours toward their MS degree as an undergraduate student, and the remaining credits for the MS can be completed in one additional calendar year as a graduate student.

For further information, please visit <http://www.uh.edu/hilton-college/students/current-students/graduate-degree-requirements/>.

Admission Requirements

Applicants gain conditional admission to this dual plan during their final undergraduate year. Gaining permission to take graduate courses during the final undergraduate year does not guarantee admission to the MS program.

Unconditional admission to the MS program requires



a successful completion of the BS in Hotel and Restaurant Management,
a cumulative GPA of 3.0 or better,
satisfactory GRE or GMAT scores, and
successful completion of the graduate program application process.

Degree Requirements

Conditionally admitted students can earn up to 12.0 Credit Hours of graduate-level credits in the final year of their BS program that will be applied to both the BS and MS degrees. Upon completion of the BS degree and unconditional acceptance into the MS program, students will complete an additional 24.0 Credit Hours of graduate-level credits that will culminate in a MS in Hospitality Management.

Courses will be selected from those that apply to the focus area of the student's BS degree <and> the Elective Category or Support Category requirements of the MS degree.

For more information

MS degree requirements Hospitality Management, MS
Hotel and Restaurant Management, BS degree requirements in the Undergraduate Academic Catalog

Academic Policies

University Academic Policies
Academic Policies - Hotel and Restaurant Management

The Executive Master of Hospitality Management, MHM

The Executive Master in Hospitality Management (MHM) is a unique online program that will refine the professional and academic skills of its graduates, giving them a competitive edge to lead and excel in the demanding arena of hospitality management. The program also provides students at the executive level with a wealth of advanced industry knowledge and expands their management skills and professional leadership abilities. An integral component of the curriculum is immediate workplace application. Students are required to complete an industry-based research project that relates to current issues in a hospitality environment. The program is designed for anyone responsible for leading and managing in the hospitality industry, regardless of academic or professional background.

For more information, please visit the Executive Master of Hospitality Management website.

Admission Requirements

Students who have successfully completed the US equivalent of a BS degree, preferably in Hotel and Restaurant Management or a related field, with a minimum of 3.0/4.0 GPA, five-plus years of work experience at the management level, completed statement of intent, and three letters of recommendation will be considered after successful completion of the application. Satisfactory TOEFL and IELTS scores are required for international students who have not completed a degree from the US or another English-speaking country. For more information, visit <http://www.uh.edu/graduate-school/admissions/international-students/>. Application fees submission is required (\$50 domestic applicants/\$125 international applicants).

A Skype or other distance-conducted interview may be required for students who have met all other admission criteria and after approval by the MHM applicant selection committee. The interview will be administered by the graduate programs office after a date and time is established that accommodates both the applicant and the interviewer.



Degree Requirements

Credit hours required for this degree: 30.0

The curriculum requires a total of 30 credit hours of coursework, including 9 credits of prescribed electives. During the program, students will also build an e-portfolio and work on an industry-based research project. The following courses are required of all students pursuing the program.

Core Course Requirements

- HRMA 7353 - Services Management in Hosp. **Credit Hours: 3.0**
- HRMA 7369 - Hospitality Financial Assets & Planning Management **Credit Hours: 3.0**
- HRMA 6381 - Strategic Decisions Making in the Hospitality Industry **Credit Hours: 3.0**
- HRMA 7337 - Human Resources in Hospitality **Credit Hours: 3.0**
- HRMA 7361 - Hospitality Marketing Analysis **Credit Hours: 3.0**
- HRMA 6360 - Graduate Directed Practicum **Credit Hours: 3.0**
- HRMA 6191 - Project Development **Credit Hours: 1.0**
- HRMA 6291 - Project Implementation **Credit Hours: 2.0**

Electives

- HRMA 6329 - Negotiations for Services Ind. **Credit Hours: 3.0**
- HRMA 6317 - Innovative Hosp. Technologies **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies

About the Conrad N. Hilton College of Hotel and Restaurant Management

Core curriculum hours cannot be waived under any circumstances.



About the Conrad N. Hilton College of Hotel and Restaurant Management

Contact Information

Office of the Dean	713-743-2607
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General Manager, Hilton Hotel @ University of Houston: Fernando Cuéllar, BS, Oklahoma State University

Director of Career Development & Placement: Colleen Gleeson, MA, St. Edwards University

Director of International Programs: Jennifer Glickman, MED, Northeastern University

Director of the Executive Master's in Hospitality Management Program: Thomas Jamie, MA, New Mexico State University

Mission Statement

The mission of the Conrad N. Hilton College of Hotel and Restaurant Management at the University of Houston is to prepare individuals for industry management and leadership by providing a quality hospitality education and ongoing professional development, as well as to be recognized globally as a premier learning environment through teaching, research and service excellence.

About The College

The Conrad N. Hilton College of Hotel and Restaurant Management is rated among the world's premier hospitality education programs and offers a Master of Science (MS) in Hospitality Management, a PhD in Hospitality Administration, an MS in Global Hospitality Business in partnership with Ecole Hoteliere de Lausanne and Hong Kong Polytechnic University, a joint MS/MBA in partnership with the University of Houston's C.T. Bauer College of Business, and a dual BS/MS. Hilton College's graduate programs endeavor to broaden students' understanding of the hospitality industry and to prepare them for administration and management roles in hotels, restaurants, private clubs, and other hospitality industry entities.

The Conrad N. Hilton College is housed in a \$28.8 million complex, providing an unequalled environment for study of the hospitality industry. Included in the facility are the 86-room Hilton University of Houston Hotel and 40,000 sq. ft. of conference center and banquet facilities; two full-service restaurants; a cocktail lounge; a coffee shop; class and seminar rooms; three ballrooms; a hospitality library and archives; extensive laboratories for product development, evaluation, and testing and facilities for quantity food production, culinary and food demonstration that are enhanced by state-of-the-art hospitality technology and food service systems. Also included is the Don and



Kathy Sanders Interactive Studio for Global Education, a state-of-the-art video conferencing facility with the capability to reach multiple distant locations for credit and non-credit course work associated with the degrees offered by the college.

In addition, the Conrad N. Hilton College is located in Houston, Texas, the fourth largest city in the United States. With a population of over four million people and some of the finest hotels, restaurants, and clubs in the nation, Houston offers a wealth of resources and opportunities to the hospitality student.

Research at the Conrad N. Hilton College

The Conrad N. Hilton College has initiated several innovative research programs that demonstrate its determination to serve the hospitality industry, and society as a whole, in meaningful ways relevant to current practices and trends. In 1996, the College initiated the first international Conference on Graduate Education and Graduate Students Research in Hospitality and Tourism, which is held at the University of Houston campus every three years. This conference provides a forum for the exchange of information on graduate education and research to faculty and graduate students in hospitality and tourism programs representing over 60 universities in North America, Europe, Australia, New Zealand, and Southeast Asia.

The Conrad N. Hilton College also has several research centers and institutes which serve the industry and academic community with information needs:

- The Wine and Spirits Management Institute (W&SMI)
- The American Hotel & Lodging Association Information Office
- The Hospitality Financial and Technology Professionals Research Office

Alumni Association

The Conrad N. Hilton College Alumni Association (CHCAA) is one of 22 constituent alumni organizations affiliated with the University of Houston Alumni Organization (HAO), which is a forum for professional and social interaction to promote active involvement of the Conrad N. Hilton College in the association. For more information, contact the Hilton College director of alumni at (713) 743-1591.



HRM Programs

Conrad N. Hilton College of Hotel and Restaurant Management

- About the Hilton College of Hotel and Restaurant Management
- Admission Policies
- Academic Policies
- Grievance Policy
- Faculty
- Programs
- Courses

Master

Global Hospitality Business, MS

Conrad N. Hilton College of Hotel and Restaurant Management > Global Hospitality Business, MS

Hilton College offers an exclusive Master of Science in Global Hospitality Business degree, thanks to a first-of-its-kind partnership with the top hospitality programs in Europe and Asia-Ecole hôtelière de Lausanne and the School of Hotel and Tourism Management at The Hong Kong Polytechnic University.

This truly global program provides select students with an extensive understanding of world markets and firsthand experience of local cultures across three continents. Students spend their first term at EHL in Switzerland, their second at PolyU in Hong Kong, and their third stateside at Hilton College.

Designed in close collaboration with top players in the hotel, tourism and service industries, the Global Hospitality Master's program offers unparalleled professional immersion through a unique and personalized capstone project, professional certifications and business field trips to global tourism hubs like New York, Paris and Macau.

With access to three global alumni networks and ties to industry across the globe, this program paves the way to an international career.

Admission Requirements

Students who have successfully completed the US equivalent of a BS degree, in Hotel and Restaurant Management or a related field, with a minimum of 3.0/4.0 GPA, all official college transcripts for all institutions attended (including English translations if needed), a minimum of one year hospitality-related work experience, completed statement of intent, and two letters of recommendation will be considered after successful completion of the application. Satisfactory TOEFL and IELTS scores are required for international students who have not completed a degree from the US or another English-speaking country. Visit www.uh.edu/graduate-school/admissions/international-students/ for more information. All applications require payment of an application fee (\$50 domestic applicants/\$125 international applicants).

A Skype or other distance-conducted interview will be required for students who have met all admission criteria and after approval by the MS GHB applicant selection committee. The interview will be administered by the Director of International Programs after a date and time is established that accommodates both the applicant and the interviewer.

For more application information please view <http://uh.edu/hilton-college/students/future-students/graduate-admissions/ms-global-hospitality-business/admission-requirements/global-masters-admissions.pdf>.



Degree Requirements

Credit hours required for this degree: 39.0

All MS degree candidates must complete 39 semester credit hours of graduate coursework over the course of three (3) terms in each the three (3) designated partner locations to receive their graduate degree from either UH or one of the other two partnering institutions.

The credit hours necessary for graduation from this program are as follows:

Required Courses

- HRMA 6378 - Hospitality Real Estate Finance **Credit Hours: 3.0**
- HRMA 7369 - Hospitality Financial Assets & Planning Management **Credit Hours: 3.0**
- HRMA 6382 - Meth of Res in Hospitality Ind **Credit Hours: 3.0**
- HRMA 6321 - Hosp. Business Strategies in Asia **Credit Hours: 3.0**
- HRMA 7353 - Services Management in Hosp. **Credit Hours: 3.0**
- HRMA 7366 - Hospitality Management Strategies **Credit Hours: 3.0**
- HRMA 7334 - Pricing and Revenue Management in Hospitality **Credit Hours: 3.0**
- HRMA 6324 - Hospitality Business Strategies in the Americas & the Caribbean **Credit Hours: 3.0**
- HRMA 6317 - Innovative Hosp. Technologies **Credit Hours: 3.0**
- HRMA 6340 - Organizational Behavior & Hospitality Leadership Strategies **Credit Hours: 3.0**

Prescribed Elective Courses

- HRMA 63XX: Rotates each cohort **Credit Hours: 3.0**

Other

- HRMA 6368 - Career Capstone Project **Credit Hours: 3.0**

Academic Policies

- University of Houston Academic Policies
- College Academic Policies

Hospitality Management, MS

The Master of Science in Hospitality Management (MS) degree program is designed to meet the hospitality industry's need for individuals who have a variety of professional and academic skills and advanced specialized abilities necessary to excel in the increasingly demanding arena of hospitality management. Individuals who develop these advanced skills can seek and fill hospitality management positions at the corporate and operational levels and in the field of hospitality education.

The MS degree is a two-year program that has been designed to develop effective and innovative hospitality industry managers and that attracts students from all over the world, bringing a multicultural quality to the learning environment. As a result, graduates of the Conrad N. Hilton College are serving in managerial positions worldwide with the finest firms in the hospitality industry, as well as teaching in higher education.



For more information, please see <http://www.uh.edu/hilton-college/students/future-students/graduate-admissions/ms-hospitality-management/>.

Admission Requirements

Students who have successfully completed the US equivalent of a BS degree, preferably in Hotel and Restaurant Management or a related field, with a minimum of 3.0/4.0 GPA, will be considered after successful completion of the graduate application process. Satisfactory TOEFL and IELTS scores are required for international students who have not completed a degree from the US or another English-speaking country. For more information, visit www.uh.edu/graduate-school/admissions/international-students/. All applications require payment of an application fee (\$50 domestic applicants/\$75 international applicants).

Required:

- Resume
- Personal Statement
- Three Letter of Recommendation
- 3.0+GPA and a bachelor's degree
- One year of experience, more is preferred
- Mandatory Interview with Program Manager
- English Language Proficiency Scores - TOEFL, IELTS or Duolingo (International Students)

A Skype or other distance-conducted interview will be required for students who have met all other admission criteria and after approval by the MS applicant selection committee. The interview will be administered by the graduate programs office after a date and time is established that accommodates both the applicant and the interviewer.

Degree Requirements

All MS degree candidates must complete a minimum of 36 semester credit hours of graduate coursework, at least 27 of which must be earned at the Hilton College.

The curriculum for this program requires students to complete courses in five areas, including hospitality management core courses; support and focus courses; electives; and a thesis, a professional paper and practicum, or an additional elective and practicum. Up to nine hours of elective credits can include non-HRMA courses with prior advisor approval.

Students can choose either the professional or research track to complete this degree.

Core Courses (Required)

- HRMA 6101 - Colloquium **Credit Hours: 1.0**
- HRMA 6330 - Statistical Data Analysis in the Hospitality Industry **Credit Hours: 3.0**
- HRMA 7353 - Services Management in Hosp. **Credit Hours: 3.0**
- HRMA 7369 - Hospitality Financial Assets & Planning Management **Credit Hours: 3.0**
- HRMA 6381 - Strategic Decisions Making in the Hospitality Industry **Credit Hours: 3.0** (Professional track only)
- HRMA 6382 - Meth of Res in Hospitality Ind **Credit Hours: 3.0** (Research track only)
- HRMA 6360 - Graduate Directed Practicum **Credit Hours: 3.0** (Not required if completing a thesis)
- HRMA 6190 - Hospitality Research Proposal **Credit Hours: 1.0**
(Research track only)
- HRMA 6290 - Professional Paper I **Credit Hours: 2** (Professional paper only)



HRMA 6599 - Thesis I **Credit Hours: 5** (Thesis only)

Research Track Core Total 19.0

Professional Track Core Total Credits 16.0

Support Courses (9.0 Credit Hours Required)

HRMA 6309 - Legal Issues-Hospitality Ind **Credit Hours: 3.0**

HRMA 7337 - Human Resources in Hospitality **Credit Hours: 3.0**

HRMA 7341 - Food and Beverage Management **Credit Hours: 3.0**

HRMA 7361 - Hospitality Marketing Analysis **Credit Hours: 3.0**

HRMA 7366 - Hospitality Management Strategies **Credit Hours: 3.0**

HRMA 6397 - Hospitality Real Estate Finance **Credit Hours: 3.0**

HRMA 6397 - Selected Topics **Credit Hours: 3.0**

Open **Credit Hours: 3.0**

Support Total 9.0

Focus Courses (3.0 Credit Hours Required)

HRMA 7334 - Pricing and Revenue Management in Hospitality **Credit Hours: 3.0**

HRMA 6343 - Beverage Management **Credit Hours: 3.0**

HRMA 6351 - Lodging Operations Mgmt **Credit Hours: 3.0**

HRMA 6357 - Gaming and Casino Mgmt **Credit Hours: 3.0**

HRMA 6397 - Contract Food Service Management **Credit Hours: 3.0**

HRMA 6397 - Selected Topics **Credit Hours: 3.0**

Focus Total 3.0

Elective Courses

Consists of any graduate level HRMA courses that have not been taken for the above requirements and non-HRMA classes as approved by academic advisor.

Research Track Elective Total Credits 5.0

Consists of any graduate level HRMA courses that have not been taken for the above requirements and non-HRMA classes as approved by academic advisor.

Professional Track Elective Total Credits 8.0

Total Credit Hours for MS: 36.0



Academic Policies

College Academic Policies

University of Houston Academic Policies

Core curriculum hours cannot be waived under any circumstances. The program director and instructor of any particular core course must approve all substitutions. All coursework substituted in this manner must be completed at the 6000 level or above. A general petition is required.

The Executive Master of Hospitality Management, MHM

The Executive Master in Hospitality Management (MHM) is a unique online program that will refine the professional and academic skills of its graduates, giving them a competitive edge to lead and excel in the demanding arena of hospitality management. The program also provides students at the executive level with a wealth of advanced industry knowledge and expands their management skills and professional leadership abilities. An integral component of the curriculum is immediate workplace application. Students are required to complete an industry-based research project that relates to current issues in a hospitality environment. The program is designed for anyone responsible for leading and managing in the hospitality industry, regardless of academic or professional background.

For more information, please visit the Executive Master of Hospitality Management website.

Admission Requirements

Students who have successfully completed the US equivalent of a BS degree, preferably in Hotel and Restaurant Management or a related field, with a minimum of 3.0/4.0 GPA, five-plus years of work experience at the management level, completed statement of intent, and three letters of recommendation will be considered after successful completion of the application. Satisfactory TOEFL and IELTS scores are required for international students who have not completed a degree from the US or another English-speaking country. For more information, visit <http://www.uh.edu/graduate-school/admissions/international-students/>. Application fees submission is required (\$50 domestic applicants/\$125 international applicants).

A Skype or other distance-conducted interview may be required for students who have met all other admission criteria and after approval by the MHM applicant selection committee. The interview will be administered by the graduate programs office after a date and time is established that accommodates both the applicant and the interviewer.

Degree Requirements

Credit hours required for this degree: 30.0

The curriculum requires a total of 30 credit hours of coursework, including 9 credits of prescribed electives. During the program, students will also build an e-portfolio and work on an industry-based research project. The following courses are required of all students pursuing the program.

Core Course Requirements

HRMA 7353 - Services Management in Hosp. **Credit Hours: 3.0**

HRMA 7369 - Hospitality Financial Assets & Planning Management **Credit Hours: 3.0**

HRMA 6381 - Strategic Decisions Making in the Hospitality Industry **Credit Hours: 3.0**

HRMA 7337 - Human Resources in Hospitality **Credit Hours: 3.0**

HRMA 7361 - Hospitality Marketing Analysis **Credit Hours: 3.0**



HRMA 6360 - Graduate Directed Practicum **Credit Hours: 3.0**

HRMA 6191 - Project Development **Credit Hours: 1.0**

HRMA 6291 - Project Implementation **Credit Hours: 2.0**

Electives

HRMA 6329 - Negotiations for Services Ind. **Credit Hours: 3.0**

HRMA 6317 - Innovative Hosp. Technologies **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies

About the Conrad N. Hilton College of Hotel and Restaurant Management

Core curriculum hours cannot be waived under any circumstances.

Doctoral

Hospitality Administration, PhD

Conrad N. Hilton College of Hotel and Restaurant Management > Hospitality Administration, PhD

The Conrad N. Hilton College of Hotel and Restaurant Management at the University of Houston offers a Doctor of Philosophy (PhD) degree program in Hospitality Administration that is designed to prepare students for the role of hospitality researchers and/or professors at a research oriented university or organization. The program provides a theoretical (conceptual) foundation, practical knowledge, research development, and critical thinking skills for hospitality administration.

The Hospitality Administration PhD explores most food and beverage (e.g., catering), club (e.g., private clubs), convention and event planning, airline food and beverage service, cruise ship management, and all other tourism/hospitality disciplines. The topics include finance, marketing, accounting, human resources, service, and general management in relation to the hospitality industry.

The Doctor of Philosophy (PhD) objectives are:

To develop teaching skills for both undergraduate and graduate levels

To disseminate information about the hospitality industry

To develop theory and add knowledge to the field

To identify problems through analysis

To identify solutions from competing alternatives through quantitative and qualitative metrics

To effectively communicate research outcomes

To develop grantsmanship capabilities

For more information, please visit <http://www.uh.edu/hilton-college/students/future-students/graduate-admissions/phd-hospitality-administration/>.

Admission Requirements

Students who have successfully completed the US equivalent of an MS degree in Hospitality Management or a similar degree with an overall grade point average (GPA) of 3.2 on a 4.0 point scale for their last completed degree and a GMAT or GRE score in the upper 35th percentile



taken within the last five years will be considered after successful completion of the graduate application process. Satisfactory TOEFL and IELTS scores are required for international students who have not completed a degree from the US or another English-speaking country. For more information, visit www.uh.edu/graduate-school/admissions/international-students/ for more information. Applications require payment of an application fee (\$50 domestic applicants/\$125 international applicants).

A Skype or other distance-conducted interview will be required for students who have met all other admission criteria and after approval by the PhD applicant selection committee. The interview will be administered by the PhD selection committee after a date and time is established that accommodates both the selection committee and the applicant.

Degree Requirements

Credit hours required for this degree: 57.0

All PhD degree candidates must complete a minimum of 57 semester credit hours of graduate coursework, at least 42 of which must be earned at the Hilton College.

The curriculum for this program requires students to complete courses in four areas, including hospitality management core courses; prescribed electives; free electives, and completion of a dissertation. Students must pass a written candidacy exam and both a written and oral comprehensive exam to be eligible for enrollment in dissertation credit hours.

Up to 15 hours of elective credits can include non-HRMA courses with prior faculty advisor approval. Students can enroll in and transfer up to nine credit hours of courses from other approved universities while enrolled in the PhD program.

Core Courses

Hotel and Restaurant Administration Core Courses (6 Credit Hours)

HRMA 8310 - Teaching Methods in Hospitality Administration **Credit Hours: 3.0**

HRMA 8320 - Guided Research in Hospitality Industry **Credit Hours: 3.0**

Research Methods Core Courses (6 Credit Hours)

HRMA 8304 - Qualitative Design in Hospitality Administration **Credit Hours: 3.0**

HRMA 8305 - Grant Writing in Hosp Industry **Credit Hours: 3.0**

Data Analysis Core Courses (9 Credit Hours)

HRMA 8303 - Multivariate Analysis in Hospitality Administration **Credit Hours: 3.0**

Two approved advanced data analysis courses from outside or inside the College.

Seminar Core Courses (3 Credit Hours)

HRMA 8188 - Ph.D. Colloquium **Credit Hours: 1.0**

Dissertation Courses (18 Credit Hours)

HRMA 8398 - Research Proposal in Hospitality Administration **Credit Hours: 3.0**



HRMA 8X99 - Doctoral Dissertation Research **Credit Hours: 3.0**

Prescribed Elective Courses

HRMA 6309 - Legal Issues-Hospitality Ind **Credit Hours: 3.0**
HRMA 6360 - Graduate Directed Practicum **Credit Hours: 3.0** (PP Only)
HRMA 7334 - Pricing and Revenue Management in Hospitality **Credit Hours: 3.0**
HRMA 7337 - Human Resources in Hospitality **Credit Hours: 3.0**
HRMA 7341 - Food and Beverage Management **Credit Hours: 3.0**
HRMA 6343 - Beverage Management **Credit Hours: 3.0**
HRMA 6351 - Lodging Operations Mgmt **Credit Hours: 3.0**
HRMA 7353 - Services Management in Hosp. **Credit Hours: 3.0**
HRMA 7361 - Hospitality Marketing Analysis **Credit Hours: 3.0**
HRMA 7366 - Hospitality Management Strategies **Credit Hours: 3.0**
HRMA 7369 - Hospitality Financial Assets & Planning Management **Credit Hours: 3.0**
HRMA 7397 - Selected Topics in Hospitality Management **Credit Hours: 3.0**
HRMA 6397 - Selected Topics **Credit Hours: 3.0**
HRMA 8320 - Guided Research in Hospitality Industry **Credit Hours: 3.0**

Academic Policies

College Academic Policies

University of Houston Academic Policies

Students may be required to take additional courses to overcome any deficiencies as determined by the graduate programs office. Students must enroll in a minimum of nine (9) on-campus credit hours per semester.

Dual Degree - Accelerated Pathway

Hotel and Restaurant Management and Hospitality Management, BS/MS

Conrad N. Hilton College of Hotel and Restaurant Management > Hotel and Restaurant Management and Hospitality Management, BS/MS

For students who want to pursue a Bachelor of Science (BS) in Hotel and Restaurant Management and earn a Master of Science (MS) in Hospitality Management, the dual BS/MS program offers an accelerated degree program to earn both in five years. The dual BS/MS provides a clear and concise path toward accelerated academic goals and enables students to begin concentrated work on a professional focus in the hospitality industry during the final year of their BS degree plan. High-achieving undergraduate students who are accepted into this program can complete 12.0 Credit Hours toward their MS degree as an undergraduate student, and the remaining credits for the MS can be completed in one additional calendar year as a graduate student.

For further information, please visit <http://www.uh.edu/hilton-college/students/current-students/graduate-degree-requirements/>.

Admission Requirements

Applicants gain conditional admission to this dual plan during their final undergraduate year. Gaining permission to take graduate courses during the final undergraduate year does not guarantee admission to the MS program.

Unconditional admission to the MS program requires



a successful completion of the BS in Hotel and Restaurant Management,
a cumulative GPA of 3.0 or better,
satisfactory GRE or GMAT scores, and
successful completion of the graduate program application process.

Degree Requirements

Conditionally admitted students can earn up to 12.0 Credit Hours of graduate-level credits in the final year of their BS program that will be applied to both the BS and MS degrees. Upon completion of the BS degree and unconditional acceptance into the MS program, students will complete an additional 24.0 Credit Hours of graduate-level credits that will culminate in a MS in Hospitality Management.

Courses will be selected from those that apply to the focus area of the student's BS degree <and> the Elective Category or Support Category requirements of the MS degree.

For more information

MS degree requirements Hospitality Management, MS
Hotel and Restaurant Management, BS degree requirements in the Undergraduate Academic Catalog

Academic Policies

University Academic Policies
Academic Policies - Hotel and Restaurant Management

Dual Degree - Graduate

Hospitality Management, MS/MBA

Conrad N. Hilton College of Hotel and Restaurant Management > Hospitality Management MS/MBA

This three-year degree is offered through a partnership between Hilton College and the University of Houston's C.T. Bauer College of Business. Through this program, students earn both an MS and MBA in less time than it would take to earn each degree independently. This opportunity enables students to prepare for careers in which business and hospitality overlap.

For more information, please visit the Hospitality Management, MS/MBA program page.

The Dual Masters MS/MBA Degrees

Program Description

The Conrad N. Hilton College of Hotel and Restaurant Management and the C.T. Bauer College of Business Administration offer a joint degree program that enables students to prepare for careers in which business and hospitality overlap. By pursuing both the Master of Science (MS) in Hospitality Management and the Master of Business Administration (MBA) degrees concurrently, students can complete both degrees in a shorter time period than if they were to pursue the two independently. The joint MS/MBA program requires a minimum of 63 semester hours.



Application Process

Participation in the joint MS/MBS program requires separate applications to and acceptance by each of the participating schools within a calendar year. Applicants must meet the admission requirements of the two colleges before being admitted by petition to the joint MS/MBA program. Admission to one college has no official bearing on admission to the other.

Visit each program's website for more information about each degree

MBA Program
MS HRM Program

Admission Requirements

Participation in the joint MS/MBS program requires separate applications to and acceptance by each of the participating schools within a calendar year. Applicants must meet the admission requirements of the two colleges before being admitted by petition to the joint MS/MBA program. Admission to one college has no official bearing on admission to the other.

Degree Requirements

Credit hours required for this degree: 36.0

All MS degree candidates must complete a minimum of 36 semester credit hours of graduate coursework, at least 27 of which must be earned at the Hilton College.

The curriculum for this program requires students to complete courses in five areas, including hospitality management core courses; support and focus courses; electives; and a thesis, a professional paper and practicum, or an additional elective and practicum. Up to nine hours of elective credits can include non-HRMA courses with prior advisor approval.

Students can choose either the professional or research track to complete this degree.

Academic Policies

University Academic Policies

Graduate Certificate

Hospitality Decision Making & Analytics, Certificate

Beginning Spring 2019

The graduate certificate program in Hospitality Decision Making & Analytics provides a foundation to better prepare hospitality students for the ever-demanding and changing work force in the industry. The curriculum will provide and understanding of the economic, political, and cultural forces that are shaping hospitality organizations. The program is designed to enable graduates to meet the intellectual and practical challenges of managing dynamic careers in the hospitality sector.



Please visit the Conrad N. Hilton College of Hotel and Restaurant Management Degree Programs page for more information.

Admission Requirements

Application Requirements

Earned a Bachelor's degree from an accredited institution of higher education.

A cumulative grade point average of 3.00 or higher for unconditional admission. Applicants with a cumulative GPA between 2.60 and 3.00 in the last 60 hours of coursework may be considered for conditional admissions.

No official GRE or GMAT is required.

English Proficiency Exam (TOEFL or IELTS) is required in certain conditions to demonstrate proficiency in English.

2 letters of recommendation.

Application fee:

\$50 for domestic student

\$125 for international student

For more on admissions, please visit the Conrad N. Hilton College of Hotel and Restaurant Management Graduate Admissions page.

Degree Requirements

Credit hours required for this certificate: 12.0

The Certificate in Hospitality Decision Making & Analytics is a 12 SCH program in which students must complete the following courses:

Required Courses (9.0 Credits Hours)

HRMA 6330 - Statistical Data Analysis in the Hospitality Industry **Credit Hours: 3.0**

HRMA 6360 - Graduate Directed Practicum **Credit Hours: 3.0**

HRMA 6397 - Selected Topics **Credit Hours: 3.0**

Topic(s):

Business Analytics

Elective Courses (3 Credit Hours)

Choose from the following:

HRMA 6381 - Strategic Decisions Making in the Hospitality Industry **Credit Hours: 3.0**

HRMA 7369 - Hospitality Financial Assets & Planning Management **Credit Hours: 3.0**

HRMA 7334 - Pricing and Revenue Management in Hospitality **Credit Hours: 3.0**

HRMA 7361 - Hospitality Marketing Analysis **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies



Grievance Policy: Conrad N. Hilton College of Hotel and Restaurant Management

The Conrad N. Hilton College is committed to resolving legitimate grievances concerning violation of university, college, and/or department academic policies or procedures in a fair and orderly manner. The Conrad N. Hilton College follows the grievance policy set forth by the University, published in the graduate catalog.

The following university-wide policy and procedure, for graduate, professional, and post-baccalaureate (PB) students, applies to the redress of grievances concerning academic and instructional matters and other issues for which there are no other existing grievance procedures.

Every effort shall be made by the graduate/professional/PB student and the members involved to settle their differences amicably and informally to redress grievance. If appropriate or necessary, the Associate Dean shall participate in this informal effort to resolve the grievance.

In the event that an informal resolution is not possible, the graduate/professional/PB student may petition the Associate Dean by filing a formal written complaint within ten (10) working days after the decision is mutually made that the grievance cannot be settled informally. The letter should provide details regarding the complaint and redress sought. After receipt of the letter, the Associate Dean or Dean must respond in writing within ten (10) working days, and set up a meeting between the student(s) and faculty member(s) involved. At the conclusion of the meeting, the Associate Dean or Dean will then render a decision within ten (10) working days. The response must include an explanation for his/her decision.

In the event that either the grievant or the respondent is unsatisfied with the outcome of the college-level process, that party may file an appeal seeking university-level review by the Graduate and Professional Studies Grievance Committee (GPSGC) which is under the purview of the Associate Vice President of Graduate and Professional Studies. Please see the University of Houston Grievance Policy and Procedure for Graduate, Professional, and Post-baccalaureate Students in the Graduate Catalog for specific instructions regarding this process.



Accelerated BS/MS in Hospitality Management Degree Plan

Master of Science Courses		Bachelor of Science Courses	Credits	Semester, YR
Core Courses (ALL Required)				
HRMA 6101	Colloquium		1	MS sem 1
HRMA 6330	Statistical Data Analysis for Hosp. Ind.		3	MS sem 1
HRMA 7353	Services Management		3	MS sem 1
HRMA 7369	Hosp. Financial Assets Planning & Mgmt		3	MS sem 2
HRMA 6382	Methods of Research in Hospitality Mgmt.		3	MS sem 1
HRMA 6360	Hospitality Graduate Practicum (PP Only)		3	MS sem 2
HRMA 6190	Research Proposal		1	MS summer
HRMA 6290	Professional Paper I (PP Only)		2	MS sem 2
HRMA 6599	Thesis I (Thesis Only)		5	MS sem 2
	CORE TOTAL		19	
Support Courses (9 Hours Required)				
HRMA 6309	Legal Issues in the Hospitality Industry		3	Any MS sem
HRMA 7337	Human Resources Mgmt. for Hosp. Ind.		3	Any MS sem
HRMA 7361	Hospitality Marketing Analysis	HRMA 3361 Hospitality Marketing	3	BS final year
HRMA 6366	Hospitality Management Strategies		3	Any MS sem
HRMA 6397	Hospitality Real Estate Finance		3	Any MS sem
HRMA 6341	Food and Beverage Systems Management		3	Any MS sem
HRMA 6397	Hospitality Education		3	Any MS sem
OPEN	OPEN**	See above list	3	BS final year



	SUPPORT TOTAL		9	
Focus Courses (3 Hours Required)				
HRMA 6334	Pricing and Revenue Management		3	MS sem 2
HRMA 6343	Beverage Management		3	MS sem 2
HRMA 6351	Lodging Operations Management		3	MS sem 2
HRMA 6357	Gaming and Casino Management		3	MS sem 2
HRMA 6335	Sensory Branding for Hospitality Industry		3	MS Sem 2
	FOCUS TOTAL		3	
Elective Courses (5 Hours Required)				
Any additional courses 6000-level or above as approved by the graduate program office				
HRMA		See above list		BS final year
HRMA	Elective	See above list		BS final year
	ELECTIVE TOTAL		5~6	
TOTAL CREDIT HOURS FOR MS			36	



Law Center

Programs

Other Programs

zMedical Humanities, JD/PhD

Master

Energy, Environment, and Natural Resources Law, LLM

Health Law, LLM

Intellectual Property & Information Law, LLM

International Law, LLM

Tax Law, LLM

US Law, LLM

zMasters of Laws, LLM

Doctoral

Doctor of Jurisprudence, JD

Dual Degree - Accelerated Pathway

Doctor of Jurisprudence/Master of Laws

Undergraduate/Law Dual Degree Program

Dual Degree - Graduate

Doctor of Jurisprudence, JD/MBA

Doctor of Jurisprudence, JD/MSW

zCriminal Justice, PhD/JD

Dual Degree - Inter-institutional

Doctor of Jurisprudence, JD/MD

Doctor of Jurisprudence, JD/MPH



About the UH Law Center

Office of the Dean

(713) 743-2100

Office of Student Services

(713) 743-2182

Office of Admissions

(713) 743-2280

Office of Career Development

(713) 743-2090

Dean and Professor of Law:

Leonard M. Baynes, B.S., New York University; M.B.A., J.D., Columbia University.

Associate Dean for Academic Affairs and HIPLA Professor of Law:

Greg R. Vetter, B.S., Missouri University of Science and Technology, Rolla; M.S. in Computer Science, University of Missouri-Kansas City; MBA, Rockhurst University; J.D., Northwestern University School of Law.

Assistant Dean for Student Affairs:

Monica Mensah, B.A., Rice University; J.D., University of Houston Law Center.

Assistant Dean of Communications and Marketing:

Carrie A. Criado, B.A., University of Texas-Austin; J.D., University of Houston.

About the Law Center

The primary objective of the Law Center is to provide a context for excellence in legal education and research. It seeks to provide broad and intensive training in the legal profession. Students are exposed to a variety of perspectives on law and legal systems and are expected to



develop familiarity with contemporary law and the legal skills necessary to function as competent, ethical professionals. The Law Center emphasizes neither a theoretical nor a practical view of law, believing that both are integral to legal education.

During the past decade, the Law Center has experienced dramatic qualitative and quantitative growth. The student body consists of more than 800 individuals drawn from all parts of the country in a highly competitive admission program. Many law students have graduate degrees or professional recognition in other disciplines. The student body's quality, professional achievement, geographic origin, and experience represent strengths of the Law Center. These strengths result in placement of graduates in major law firms in Houston and throughout the country. Instruction is conducted primarily by approximately 72 full-time law faculty. Many are nationally recognized experts in fields such as health law, intellectual property and Information law, international law, energy law, environmental law, commercial law, family law, constitutional law, and tax law. The faculty is supported by a select group of adjunct professors from the Houston bar, one of the major legal communities in the country. This combined faculty offers a broad range of professional experience and expertise.

Accreditation

The Law Center operates with the approval of the American Bar Association and the Supreme Court of Texas, is a member of the Association of American Law Schools, and has a chapter of the Order of the Coif, the national legal scholastic honor society.



J.D. Admission Requirements: UH Law Center

All required application documents and materials must be submitted through the Law School Admission Council Credential Assembly Service. To register for the service, go to www.lsac.org. Visit <http://www.law.uh.edu/admissions/> for specific instructions. The following should be submitted:

- Completed application form;
- Personal Statement (no longer than 3 pages, double-spaced);
- Resume
- Immigration Documents (for international applicants requiring a student visa).
- Recent LSAT score;
- Transcripts for all colleges and universities attended;
- At least 2 letters of recommendation (but not more than 3)

JD Admissions Criteria

Qualifications for JD enrollment are based upon factors relevant to the legal profession and to enrolling a diverse student body with a variety of perspectives, experiences, and viewpoints that will enhance the educational experience of all students. Demonstrated academic ability as demonstrated by undergraduate grade point average and LSAT scores are important criteria for admission. However, it is university policy, consistent with Texas statutes, that no single criterion can be utilized as the sole determiner of admission status, nor can fixed weights be applied to anyone criterion during the admission process; therefore, the personal statement, letters of recommendation, resume, and optional statements are extremely important in the decision-making process. All files receive a full-file review, and consideration is given to many factors. Additional factors include, without limitation, the applicant's background; race and ethnicity; honors and achievements; service to others; communication skills; talents relevant to the practice of law; hardships overcome; advanced degrees; work experience; leadership; and other relevant factors.

The Law Center enrolls first-year full-time (day) and part-time (evening) students beginning in August. The application deadline for full-time is March 15, and for part-time May 15. Since a rolling admission process is used, there is more availability earlier in the process. Decisions will be mailed no later than mid-May for full-time and early July for part-time.

Early Decision

If you are applying for early decision, the application deadline is November 15. Your file must be complete by December 15. Decisions will be mailed by mid-February for those applicants whose files were completed by December 15. If your file is completed after December 15, you will be considered during regular admission.

It is the University policy, consistent with State of Texas statutes, that no single criterion can be utilized as the sole determiner of admission status nor can fixed weights be applied to any one criterion. Demonstrated academic ability and strong LSAT scores are not the only criteria for admission. Consideration is also given to your background, race and ethnicity, achievements, honors, extracurricular activities, service to others, unique abilities, hardships overcome, advanced degrees, employment, and leadership. These and other elements may be addressed in a personal statement of up to three pages double-spaced. For more information contact:

University of Houston Law Center
Office of Admissions
4604 Calhoun Rd.
Houston, Texas 77204-6060
(713) 743-2280



Visit our **Law Center website**
E-mail: lawadmissions@uh.edu

Requirements for Admission

To be eligible for admission, you must have completed a baccalaureate degree or the equivalent from an accredited college or university prior to enrollment. You must take the Law School Admission Test (LSAT), which is administered four times a year throughout the country. The Law Center requires each applicant to register with LSAC's Credential Assembly Service (CAS). Information and registration materials for the LSAT and CAS are available online at <http://www.lsac.org>.

Your application to the UH Law Center must include the following items, which should be submitted electronically through the **Law School Admission Council (LSAC)** web page or at the **Law Center Admissions** page.

- Completed application form;
- Non-refundable \$70 application fee;
- Personal Statement (no longer than 3 pages, double-spaced);
- Resume;
- Immigration Documents (for international applicants requiring a student visa);

Your application file must also include a complete CAS report, which must include:

- Recent LSAT score;
- Transcripts for all colleges and universities attended;
- At least two letters of recommendation (but not more than 3).

Only one application is accepted per year.

University of Houston Undergraduate Students - Effective Fall 2021

Pursuant to ABA Standard 503 and Interpretation 503-3, the University of Houston Law Center may admit up to 10% of its J.D. class from undergraduate students matriculated at the University of Houston main campus without an applicant LSAT score provided that (1) the student has scored at or above the 85th percentile on the ACT or SAT and (2) the student has achieved a cumulative GPA of 3.6 or above through six terms of academic work.

Graduate Record Examination (GRE) J.D. Admissions Process - Effective Fall 2022

Effective Fall 2022, the University of Houston Law Center will accept GRE scores on admissions applications. Applicants who are submitting a GRE score should request scores for the past five years from Educational Testing Service (ETS) using school code 4360.

Residency

State law limits nonresident enrollment to 35 percent of our student body. If you have resided and been gainfully employed in the state of Texas for 12 months prior to the time of enrollment, you may be considered a Texas resident for tuition purposes.

Foreign nationals who hold F-1 or any other temporary visas are considered nonresidents and are required to pay the non-resident/foreign tuition charges. Students accepted as nonresidents will usually be classified as such for the duration of their study at the Law Center. Any



questions on residency classification should be directed to the Office of Admissions (713) 743-1010 in the Welcome Center or you may submit your questions to residency@uh.edu.

Applicants with Undergraduate Degrees Earned Outside the U.S.

The University of Houston Law Center requires foreign-educated applicants to the JD program to submit their foreign transcripts through the Law School Admissions Council Credential Assembly Service (CAS). This service is included in the CAS subscription fee. If you completed any postsecondary work outside the U.S. (including its territories) or Canada, you must use this service for the evaluation of your foreign transcripts. A Foreign Credential Evaluation will be completed by the American Association of Collegiate Registrars and Admissions Officers (AACRAO), which will be incorporated into your CAS report. TOEFL scores should also be submitted to the CAS by the Educational Testing Service (ETS); LSAC's TOEFL code for the CAS is 0058. Your score will be included in your CAS law school report.

To use the LSAC Credential Assembly Service, log into your LSAC online account and follow the instructions for registering for the service. Be sure to print out a Transcript Request form for each institution and send it promptly to them. More time is usually required to receive foreign transcripts. Questions about the CAS should be directed to LSAC at 215.968.1001, or LSACINFO@LSAC.ORG.

Students who received their undergraduate degree from a country where English is not the official language must take the Test of English as a Foreign Language (TOEFL) or the International English Language Testing System (IELTS). Applicants from Canada and other countries where English is the official language are exempt from the TOEFL and IELTS.

Any student who is not a U.S. citizen and holds a temporary visa is classified as an international student by the UH Law Center. In addition to meeting standard admissions requirements, these applicants must submit the following:

Students who have earned their degree from a non-English speaking country are required to take the TOEFL or IELTS exam. For the TOEFL exam, you must submit an official report of a score of 600 or higher on the paper-based exam, or 100 on the Internet-based exam. For the IELTS, you must submit an official report of a score of 7.0 or higher;

Non-U.S. citizens must include a copy of immigration documents when submitting an application;

Letter of Financial Backing *(U.S. citizens and permanent residents are exempt);

Statement of Understanding *;

Non-refundable \$75 processing fee made payable to the University of Houston.

*Available via the [Law Center Admissions page](#).

Applicants with a foreign law degree may petition for credit toward their JD after they have completed the first-year curriculum. The Assistant Dean for Student Affairs has the sole discretion to credit up to 30 credit hours.

Tuition and Fees

The course load for the first year of law school is 31 credit hours full-time and 27 credit hours part-time.

Tuition and fee charges are set by the Texas legislature and the University of Houston System Board of Regents and are subject to change without notice. For most up to date information regarding tuition, please visit <http://www.law.uh.edu/admissions/tuition.asp>.

Advanced Standing, Transfer and Visiting Applicants

If you have attended another ABA-accredited law school, you may apply for admission with advanced standing. Factors used in the evaluation include available space in the student body, academic performance at the current law school, pre-law school academic performance and compelling circumstances.



Admission to the upper-division is very competitive and first consideration is given to applicants who have performed extremely well in their law school careers.

A complete application package submitted for consideration must contain:

- Completed application form;
- Non-refundable application fee of \$70;
- Official law school transcript (reflecting entire first-year grades);
- CAS report (sent directly from LSAC);
- Letter from your law school attesting to your good standing and class rank (reflecting entire first-year grades);
- Statement of reasons for transfer/visit;
- Letter of Permission (visiting applicants only).

Visiting and Transfer application deadlines are subject to change. Please visit the [Law Center Admissions page](#) for the most up-to-date deadlines.

Transfers

Transfer applicants must have completed the equivalent of the first year of law school and all or most of the Law Center's first-year required courses (Torts, Property, Contracts, Criminal Law, Civil Procedure, Constitutional Law, Statutory Interpretation and Regulation, and Lawyering Skill and Strategies). Transfer applicants may have a maximum of 30 graded credit hours of law credit with a 'C' or better, transferable only from a school accredited by the ABA. Only those credits that contribute to J.D. degree requirements at the Law Center will be transferable, regardless of the grade earned. Only the hours and not the grades will be noted on the UH transcript.

Visiting

Students in good standing at another ABA-accredited law school may apply to the Law Center with the intention of applying the earned credits toward degree requirements at the home school. In addition to the requirements listed above, visiting candidates must submit a letter from the home school stating that credits earned at the Law Center will be accepted toward degree requirements and stating any other conditions, if applicable.

Visiting students are not allowed to register for first-year courses and are allowed to register only after all Law Center students have completed their registration. Therefore, when requesting course approval from the home school, you should always include alternate selections. Visiting students must arrange their financial aid through their home school via a consortium agreement.



Academic Policies: UH Law Center

Full-Time Students

Full-time students enroll in 15 semester hours in the fall and 16 semester hours in the spring of the first year. After the first year, they must take at least 12 hours each semester. Students will not be permitted to drop below the required course load or withdraw from a course during the first year without permission from the Law Center, which will be granted only under exceptional circumstances.

The maximum course load is 16 semester hours in the fall and spring, and no more than 7 semester hours in a six-week summer session or twelve hours over the entire summer. Students must petition the Law Center to take more than the recommended number of hours, but students may not take more than 18 hours.

Part-Time Students

Students employed more than 20 hours per week are considered part-time and may not take more than 11 semester hours in the fall and spring, or more than one course in each six week summer session, and no more than 7 hours total during both six week summer sessions. All part-time first-year students must enroll in courses as required by the degree plan; they will not be permitted to withdraw from courses during the first year without permission from the Law Center, which will be granted only under exceptional circumstances.

After the first year, part-time students may not drop below six semester hours in the fall and spring without permission from the Law Center.

Change of Classification

Students normally remain enrolled in the division in which they were initially admitted to the Law Center. Changes in classification must be requested in writing to the Law Center prior to registration for the semester in which the change is to take effect.

Minimum Load

During the first year, failure to complete the minimum number of hours during a semester will result in involuntary withdrawal from the Law Center unless permission is received from the Law Center. Students will not be permitted to enroll in additional courses, but may reapply for admission at a future date to be considered on the basis of standards in effect at that time.

A student who is withdrawn from a class by an instructor and falls below the minimum load will be withdrawn from all courses and subject to readmission as stated in the above paragraph.

Graduate Course Credit

After completing 45 semester hours of law school courses with an acceptable grade point average, a student may petition the Law Center to take graduate courses. Permission must be received prior to enrolling in graduate courses, and a grade of "C" or better is required. However, the grade will not be calculated into the student's cumulative grade point average.

Other Law School Credit

After completing the first year, a student may request permission from the Law Center to take up to 30 semester hours of credit at another approved law school. A grade of "C" or above is required and only the hours, not the grade, will be noted on the student's permanent record.

Dean's List and Class Standing Information



To be eligible for the University of Houston Law Center Dean's List, a Juris Doctorate (JD) student must have completed at least nine credit hours of graded course work during the fall or spring semester and must have earned a grade point average of 3.33 (B+) or better. Courses in which a grade of "S" is received are not considered graded courses for the purpose of Dean's List eligibility. Dean's List honors will be calculated each fall and spring semester after all grades are finalized. Dean's List is based on the semester GPA only.

The Law Center does not publish class standings. Instead, a percentile ranking is provided based on entering class year so individual students may determine their general position within the group of students with whom they entered the Law Center. A final individual class rank may be obtained only after graduating.

Attendance and Absences

The Law Center has a minimum 80% attendance policy for students. Any student who attends fewer than the minimum percentage of classes may be dropped automatically from class. Faculty members are free to impose stricter attendance standards. Faculty members may consider those who come in late or leave early as absent, or in interest of avoiding distraction for others, may decline to let a late student attend that day.

Full-time students may not average more than 20 hours of work per week during the fall and spring semesters. Students who must work to finance their education should consider enrolling part-time.

Academic Honesty

Students will be governed by the Law Center's Academic Honesty Policy Honor Code (PDF).

Good Standing and Academic Suspension

Effective for classes entering August 2010 and after - Good Standing and Academic Suspension

To be eligible to continue at UHLC in good standing, a student must maintain a cumulative GPA of 2.33 or above at the completion of each semester or summer session. A student on probation will be permitted to continue without an appeal according to the guidelines below:

A student whose cumulative GPA is at least 2.167 after 30 hours; or

A student whose cumulative GPA is at least 2.25 after 45 hours.

If a student's cumulative GPA does not fall within the guidelines above s/he will be subject to academic dismissal. If s/he wishes to continue at UHLC, s/he must appeal to the Executive Committee.

While on academic probation, students may not do the following

Hold a leadership role within student organizations (or significant role, i.e. President, Vice President, Secretary, Treasurer);

Participate in Externships, Judicial Clerkships, or Clinics;

Participate in Moot Court or Mock Trial teams;

Engage in employment without permission;

Take graduate courses outside of the UHLC;

Take courses Pass/Fail;

Receive permission to visit other Universities;

Enroll in more than 13 credit hours without permission; or

Serve as an Academic Enrichment Program tutor.

While on probation, a student must do the following

Have his/her proposed schedule approved by the Associate Dean for Student Affairs (or a delegate) prior to enrolling;

Must participate in any academic support programs being offered by student services.

Meet with professors to discuss exams.

Removal from academic probation

To be removed from academic probation, the student must raise his/her cumulative GPA to a 2.330 by the following semester.



Academic Dismissal

A student will be academically dismissed if s/he fails to maintain a cumulative GPA at or above the guidelines stated above.

Readmission

All first-time academically dismissed students have the right to apply for readmission to the Law Center. Such applications will be acted upon by the Executive Committee. Petitions for Readmission should be submitted to the Office of Student Services.

First-time academically dismissed students may be readmitted only upon showing substantial likelihood of satisfactory completion of the curriculum. The following are examples of bases for readmission which may be favorably considered:

Resolution of a family crisis;

Resolution of a financial crisis;

Completion of course(s) that might assist academic performance in law school; or

Overcoming a serious illness.

The Executive Committee has the discretion to readmit a student on stated conditions, including the condition that the student starts over again. The previous grades are changed to a Withdrawal ("W"), but previous enrollment will remain on the student's permanent record. A readmitted student whose grades subsequently fall below the academic probation minimum prescribed above will be dismissed from the Law Center with no opportunity for readmission.

At Risk Students

In efforts to improve our student performance on the bar, students with GPAs below 2.7 after the completion of the first year will be individually counseled on steps that can help students pass the bar exam, including the recommendation not to work during bar study and to participate in an outside bar review course.



Concurrent and Combined Degree Programs

Dual degree programs are available at the UH Law Center, allowing students to earn two degrees in less time than it would take to complete them sequentially. Students interested in pursuing this option must make separate application to the UH Law Center and to the desired program. Degrees that can be combined with a J.D. include:

Master of Business Administration at the University of Houston

Master of Public Health at the University of Texas Health Science Center

Master of Arts in History at the University of Houston

Ph.D. in Medical Humanities at the University of Texas Medical Branch at Galveston

M.D. at Baylor College of Medicine at Houston

Masters of Social Work at University of Houston

You must apply to and be accepted by each degree program separately.



Financial Aid and Scholarships: UH Law Center

Financial Aid

The Law Center has a financial aid advisor within the college who assists only law students and serves as an extension of the University's Office of Scholarships and Financial Aid. Law students should correspond directly with the UHLC advisor.

All aid programs funded by federal and state government agencies, sponsoring individuals, or the Law Center may be changed or eliminated at any time and are subject to the rules and regulations of the same aforementioned entities, including the University's Office of Scholarships and Financial Aid and the Law Center.

Eligibility for Financial Aid

Law students interested in applying for financial aid at UHLC should meet the following criteria:

- Be admitted to the law program
- Be a U.S. citizen or eligible non-citizen (See INTERNATIONAL STUDENTS)
- Have a valid social security number
- Be registered with Selective Services (if required)
- Be enrolled in at least 6 hours
- Make satisfactory academic progress
- NOT have any student loans in default

Students should begin the financial aid process as soon as possible after the first of February even before admission to the UHLC.

Scholarships

The Office of Admissions offers a number of Dean's Scholarships to each entering class. These merit scholarships vary in number and amount and are renewable. Each accepted applicant is automatically considered for a Dean's Scholarship, and no separate application is required. University and UH system scholarships are also available, with recipients selected through a highly competitive nomination process. To ensure proper consideration for all scholarships, it is to your advantage to submit your application as early as possible and to take the LSAT by the early fall test date.



Career Services: UH Law Center

Office of Career Development

The Office of Career Development is committed to providing individual job search assistance to University of Houston Law Center students and alumni. Services are available to students as they search for law clerk and judicial clerk positions during their legal education and for permanent post-graduate positions. Alumni pursuing lateral career changes are also served by the office. Experienced career counselors in the Office of Career Development provide assistance with tailored job search strategies that specifically address individual career goals.

The Office of Career Development provides individual assistance in resume review and interviewing techniques. The office presents a variety of panel discussions, receptions and seminars with legal practitioners to assist students in understanding legal career options. Topics covered include small firm panels, judicial clerkship opportunities, starting a solo practice, pursuing government or non-profit legal careers, and non-traditional uses of the law degree.

The office annually hosts over 100 prospective employers through on-campus interview and recruiting programs for students seeking summer clerkships and permanent positions to commence upon graduation. Through the Office of Career Development, the Law Center also participates in a number of off-campus recruiting programs, offering students additional interview recruiting opportunities beyond the on-campus program.

For more information about the Law Center Office of Career Development, contact:

Office of Career Development
University of Houston Law Center
100 Law Center
Houston, Texas 77204-6060
713-743-2090

lawcareer@uh.edu

<http://www.law.uh.edu/career>



UH Law Center

UH Law Center

Doctor of Jurisprudence, JD

J.D. Admission Requirements

JD Degree Requirements: UH Law Center

Graduation Requirements:

Credits - 90 semester credit hours are required for graduation with 2.33 minimum GPA. In addition to the first year required curriculum, each student must complete the following courses at the Law Center to graduate:

Professional Responsibility Course - 3-hour Professional Responsibility course must be taken and a passing grade received.

Upper Level Writing Requirement - Students entering in Fall 2013 or after can only satisfy this requirement by completing (1) a writing seminar (designated by prefix "WRS") and earning a grade of "C" or better; or (2) a writing course (designated by the prefix "WRC"); and (3) earning a grade of "C" or better.

Required Practice Skills Course - (*Applies to students entering before fall 2016*) Students must take and pass a course that satisfies the "Practice Skills" requirement. The courses that satisfy this requirement are identified on each course schedule. There is a tab at the top of each term's schedule that will allow you to view the specific classes that meet the Practice Skills requirement.

Experiential Course Requirement - (*Applies to students entering fall 2016 and after*) - Students must take and pass one or more experiential course(s) totaling at least six credit hours. An experiential course must be a simulation course, a law clinic, or a field placement. No more than three credit hours for field placements can be used to satisfy the six-credit requirement for the Law Center.

See the Law Student Handbook more information: <http://www.law.uh.edu/student/>.

Doctor of Jurisprudence, JD/MBA

Master of Business Administration at UH

The Law Center and the UH Bauer College of Business offer a dual JD/MBA. program that prepares students for a wide range of careers where law and business overlap. This program holds special appeal for students directed toward investment banking, accounting, international trade, industrial relations, corporate law, the entertainment industry and management consulting. Full-time students complete the program in four years.

Contact:

email: houstonmba@uh.edu

website: Master of Business Administration



Doctor of Jurisprudence, JD/MD

Doctor of Medicine at Baylor College of Medicine at Houston

The UH Law Center, in conjunction with the Baylor College of Medicine, allows students the opportunity to jointly obtain both a law (JD) degree and a medical doctorate (MD) degree. Students in this program attend their first, second, and fifth years of study at the Baylor College of Medicine, start their law school curriculum during their third and fourth years, and complete both degrees in their sixth year.

Contact:

email: admissions@bcm.tmc.edu

website: Baylor College of Medicine

Doctor of Jurisprudence, JD/MPH

Master of Public Health at the University of Texas Health Science Center

A concurrent JD/MPH program is offered in conjunction with the University of Texas School of Public Health. Students can earn a JD and a masters of public health degree in three and one-half years - one year less than it would take to earn the degrees sequentially.

Contact:

email: saffairs@uth.tmc.edu

website: Master of Public Health at the UT Health Science Center

Doctor of Jurisprudence, JD/MSW

Master of Social Work at UH

Students wishing to combine a masters of social work and a law degree can earn a concurrent degree in the JD/MSW program.

Contact:

email: msswinfo@sw.uh.edu

website: Graduate College of Social Work

Doctor of Jurisprudence/Master of Laws

The UH Law Center offers a joint JD/LLM degree program which allows students to earn both degrees in 3.5 years (105 credit hours). UHLC law students are eligible to apply for the joint JD/LLM program after the completion of 30 credit hours. Joint degree students must meet all JD and LLM degree requirements in order to complete the program. LLM specialty programs eligible for the joint program include: Energy, Environment and Natural Resources Law, Health Law, Intellectual Property & Information Law, International Law, and Tax Law.



Contact

email: llm@uh.edu

website: <http://law.uh.edu/llm/>

Energy, Environment, and Natural Resources Law, LLM

UH Law Center > Energy, Environment, and Natural Resources Law, LLM

The program trains lawyers to handle the complex legal and policy issues that surround three areas:

- Energy Production, Transportation, and Use
- Pollution Prevention and Biodiversity Protection
- Natural Resources Exploitation and Conservation

Students in the program have included recent law school graduates and practitioners with varying years of experience.

For further information, please view <http://law.uh.edu/llm/eenr.asp>.

Admission Requirements

Admission to the program requires a law degree from an ABA-approved U.S. law school. Lawyers educated in other countries must hold a law degree from a university accredited by the country's ministry of education or be admitted to practice law before the highest court in their jurisdiction.

All applications are submitted through the Law School Admission Council, LSAC, at <https://www.lsac.org/llm>. A complete application consists of the following:

- application form
- resume/CV
- personal statement of at least three hundred words
- two reference letters

Applicants from a country in which English is not the official language are required to provide a TOEFL or IELTS report. The Law Center typically requires a score of 100 on the TOEFL or 7.0 on the IELTS.

U.S. educated lawyers can begin the program in August and January. Lawyers who earned their law degree can only begin in August and the application deadline is April 15.

Degree Requirements

The LL.M. degree is a 24 credit program. The class schedule is published each term at <http://law.uh.edu/schedule/>. Students in the Energy, Environment and Natural Resources LL.M. program must complete, within the 24-credit program requirement, 15 credits hours of energy, environment or natural resources coursework that has been approved by their faculty advisor. There are no specific courses that are required. Students, working in concert with their advisor, select courses that meet the individuals personal or professional goals. Students have the option of writing a thesis.

The schedule is available on the Law Center's website, <http://law.uh.edu/schedule/>.



Academic Policies

University of Houston Academic Policies

Academic Policies: UH Law Center

Students must maintain a 2.50 grade point average every term. The program must be completed within three years of admission. Students must be registered for at least three credits every fall and spring term.

Health Law, LLM

UH Law Center > Health Law, LLM

The program, consistently ranked in the Top 10 by U.S. News & World Report, has been at the forefront of policy analysis related to legal aspects of healthcare and biotechnology. Students in the program increase their understanding of the dynamic nature of health law and policy through interaction with health care providers, researchers, and administrators on legal issues.

Students in the program have included recent law school graduates and practitioners with varying years of experience.

For further information, please view <http://law.uh.edu/llm/health.asp>.

Admission Requirements

Admission to the program requires a law degree from an ABA-approved U.S. law school. Lawyers educated in other countries must hold a law degree from a university accredited by the country's ministry of education or be admitted to practice law before the highest court in their jurisdiction.

All applications are submitted through the Law School Admission Council, LSAC, at <https://www.lsac.org/llm>. A complete applications consists of the following:

- application form
- resumé/CV
- personal statement of at least three hundred words
- two references letters

Applicants from a country in which English is not the official language are required to provide a TOEFL or IELTS report. The Law Center typically requires a score of 100 on the TOEFL or 7.0 on the IELTS.

U.S. educated lawyers can begin the program in August and January. Lawyers who earned their law degree can only begin the program in August and the application deadline is April 15.

For further information, please view the application process webpage at <http://law.uh.edu/llm/admissions-requirements-and-application-procedures.asp>.

Degree Requirements

The LL.M. degree is a 24 credit program. Students in the Health Law LL.M. program must complete, within the 24-credit program requirement, 18 credits of health law coursework that has been approved by their faculty advisor. All students must take the Advanced Law course. Students, working in concert with their advisor, select courses that meet the individual's personal or professional goals. Students have the option of writing a thesis.

The class schedule is published each term and available at <http://law.uh.edu/schedule/>.



Academic Policies

University of Houston Academic Policies

Academic Policies: UH Law Center

Students must maintain a 2.50 grade point average every term. The program must be completed within three years of admission. Students must be registered for at least three credits every fall and spring term.

Intellectual Property & Information Law, LLM

Law Center > Intellectual Property & Information Law, LLM

Recognized as one of the Top Ten programs in the United States, the program provides an opportunity to study both traditional and emerging areas of intellectual property law (patent, trademark, copyright, and trade secret) and information law (Internet, software, electronic commerce, and databases).

Students in the program have included recent law school graduates and practitioners with varying years of experience.

For further information, please see <http://law.uh.edu/llm/ipil.asp>.

Admission Requirements

Admission to the program requires a law degree from an ABA-approved U.S. law school. Lawyers educated in other countries must hold a law degree from a university accredited by the country's ministry of education or be admitted to practice law before the highest court in their jurisdiction. Lawyers typically have some intellectual property or information law experience obtained after earning their first degree in law.

All applications are submitted through the Law School Admission Council, LSAC, at <https://www.lsac.org/llm>. A complete application consists of the following:

- application form
- resume/CV
- personal statement of at least three hundred words
- two reference letters

Applicants from a country in which English is not the official language are required to provide a TOEFL or IELTS report. The Law Center typically requires a score of 100 on the TOEFL or 7.0 on the IELTS. U.S. educated lawyers can begin the program in August and January. Lawyers who earned their law degree can only begin the program in August and the application deadline is April 15.

For further information, please view <http://law.uh.edu/llm/admissions-requirements-and-application-procedures.asp>.

Degree Requirements

The LL.M. degree is a 24 credit program. Students in the Intellectual Property & Information Law LL.M. program must complete, within the 24-credit program requirement, 15 credits of intellectual property or information law coursework that has been approved by their faculty advisor. There are no specific courses that are required. Students, working in concert with their advisor, select courses that meet the individual's personal or professional goals. Students have the option of writing a thesis.

The class schedule is published each term and available at <http://law.uh.edu/schedule/>.

Academic Policies



Students must maintain a 2.50 grade point average every term. The program must be completed within three years of admission. Students must be registered for at least three credits every fall and spring term.

International Law, LLM

Law Center > International Law, LLM

The growth of the global marketplace places a premium on lawyers who understand the international implications of various public, private, and commercial activities. Students can concentration on public or private aspects of international law. Initiatives such as the Law Center's Immigration Clinic and Center for U.S. and Mexican Law offer students hands-on, real life experience.

Students in the program have included recent law school graduates and practitioners with varying years of experience.

For further information, please view <http://law.uh.edu/llm/international.asp>.

Admission Requirements

Admission to the program requires a law degree from an ABA-approved U.S. law school. Lawyers educated in other countries must hold a law degree from a university accredited by the country's ministry of education or be admitted to practice law before the highest court in their jurisdiction.

All applications are submitted through the Law School Admission Council, LSAC, at www.lsac.org/llm. A complete application consists of the following:

- application form
- resume/CV
- personal statement of at least three hundred words
- two reference letters

Applicants from a country in which English is not the official language are required to provide a TOEFL or IELTS report. The Law Center typically requires a score of 100 on the TOEFL or 7.0 on the IELTS.

U.S. educated lawyers can begin the program in August and January. Lawyers who earned their law degree can only begin the program in August and the application deadline is April 15.

For further information, please view <http://law.uh.edu/llm/admissions-requirements-and-application-procedures.asp>.

Degree Requirements

The LL.M. degree is a 24 credit program. Students in the International Law LL.M. program must complete with the 24-credit program requirement, 15 credits of international law coursework that has been approved by their faculty advisor. There are no specific courses that are required. Students, working in concert with their advisor, select courses that meet the individual's personal or professional goals. Students have the option of writing a thesis.

The class schedule is published each semester and available at <http://law.uh.edu/schedule>.

Academic Policies



Academic Policies: UH Law Center

Students must maintain a 2.50 grade point average every semester. The program must be completed within three years of admission. Students must be registered for at least three credits every fall and spring semester.

Tax Law, LLM

Law Center > Tax Law, LLM

The program focuses on helping lawyers identify issues and plan solutions to tax problems and hone the skills needed to assimilate new tax rules into their tax practice. The program emphasizes both professional responsibility and a thorough understanding of the tax system and how it affects individual, nonprofit, commercial and financial affairs.

Students in the program have included recent law school graduates and practitioners with varying years of experience.

For further information, please view <http://law.uh.edu/llm/tax.asp>.

Admission Requirements

Admission to the program requires a law degree from an ABA-approved U.S. law school. Lawyers educated in other countries must hold a law degree from a university accredited by the country's ministry of education or be admitted to practice law before the highest court in their jurisdiction.

All applications are submitted through the Law School Admission Council, LSAC, at www.lsac.org/llm. A complete application consists of the following:

- application form
- resume/CV
- personal statement of at least three hundred words
- two reference letters

Applicants from a country in which English is not the official language are required to provide a TOEFL or IELTS report. The Law Center typically requires a score of 100 on the TOEFL or 7.0 on the IELTS.

U.S. educated lawyers can begin the program in August and January. Lawyers who earned their law degree can only begin the program in August and the application deadline is April 15.

For further information, please view <http://law.uh.edu/llm/admissions-requirements-and-application-procedures.asp>.

Degree Requirements

The LL.M. degree is a 24 credit program. Students in the Tax Law LL.M. program must complete, within the 24-credit program requirement, 18 credits of tax law coursework that has been approved by their faculty advisor. Students, working in concert with their advisor, select courses that meet the individual's personal or professional goals. Students have the option of writing a thesis.

Students who did not complete a Federal Income Tax course during law school are required to take this course during their first LL.M. term.

The class schedule is published each term and available at <http://law.uh.edu/schedule/>.

Required Courses:

LAW 5288 - Tax Ethics **Credit Hours: 2.0**



Academic Policies

University of Houston Academic Policies

Academic Policies: UH Law Center

Students must maintain a 2.50 grade point average every term. The program must be completed within three years of admission and the students must be registered for at least three credits every fall and spring term.

Undergraduate/Law Dual Degree Program

Application Process

It is expected that consideration for early admission to the JD program at the Law Center as a dual-degree student will require a cumulative grade point average, "GPA," of at least 3.5 at the end of 90 undergraduate-eligible term hours and achieving at least the median Law School Admission Test, "LSAT," score of the preceding year's entering class at the Law Center. Early admission is also contingent upon approval of the student's moral character and fitness responses.

Students participating in the program who have a GPA lower than 3.5 or who have an LSAT lower than the previous year's median may be considered for early admission at the discretion of the Law Center admissions committee. Additional application materials may be required, including a statement describing why they merit early admission. Early admission for such applicants will be contingent upon approval of the student's moral character and fitness responses.

Students who have earned college credit prior to enrolling in the Honors College may apply to and participate in the dual degree program. However, in order to preserve the culture of the Honors College, in no case shall an Honors College undergraduate student be admitted to the Law Center through this program unless that student has completed at least 90 undergraduate-eligible term hours while a student in residence in the Honors College.

Required Academic Credits and Undergraduate Degree Requirements

In their first three years at the University of Houston, interested Honors College students will complete at least 90 semester credit hours toward a bachelor's degree in Liberal Studies, including two undergraduate minors, one of which must be Phronesis. Students admitted to the Law Center can begin the first-year law school curriculum only after completing at least 90 undergraduate term hours in residence. Students must begin the first-year law school curriculum in the fall term.

To receive an undergraduate degree, program students must successfully complete at least 120 undergraduate-eligible term hours, as well as all of the requirements for a Bachelor of Arts degree in Liberal Studies. For purposes of this degree program, the Law Center's first-year courses are undergraduate-eligible term hours.

In their fourth year in the program, eligible students admitted to the Law Center will take the required first-year law school curriculum, which will fulfill the final 30 undergraduate-eligible term hours required for an undergraduate degree. Such students will also fulfill the third minor required for the Liberal Studies degree by completing at least 15 term hours of the first-year law school curriculum.

Students enrolled in the program may substitute the Human Situation sequence in place of Introduction to Liberal Studies as a first-year course for Liberal Studies majors.

Required Courses for the Liberal Studies Degree

Liberal Studies



ILAS 2350 Introduction to Liberal Studies **Credit Hours: 3.0** (May substitute with the Human Situation sequence.)

ILAS 4350 Senior Seminar in Liberal Studies **Credit Hours: 3.0**

Phronesis

For the minor in Politics and Ethics, a student must complete 19 term hours of approved coursework, including:

ENGL 1370 - Freshman Composition II - Honors **Credit Hours: 3.0**

HON 2301 - The Human Situation: Antiquity **Credit Hours: 3.0**

One of the following POLS courses:

POLS 3342 - Liberalism and its Critics **Credit Hours: 3.0**

POLS 3343 - Democratic Theory **Credit Hours: 3.0**

POLS 3349 - Foundations in American Political Thought **Credit Hours: 3.0**

One of the following PHIL courses:

PHIL 3350 - Ethics **Credit Hours: 3.0**

PHIL 3351 - Contemporary Moral Issues **Credit Hours: 3.0**

PHIL 3355 - Political Philosophy **Credit Hours: 3.0**

PHIL 3358 - Classics in the History of Ethics **Credit Hours: 3.0**

PHIL 3375 - Law, Society, and Morality **Credit Hours: 3.0**

Two 3000-level courses from approved list

One approved 4000-level course (Seminar on a course issue, with a substantial writing component.)

An average GPA of 3.0 on all courses in minor.

Law Center First Year Curriculum

Fall Term	Hours
Contracts	4
Procedure 1	4
Torts	4
Lawyering Skills & Strategies	3
Total	15
Spring Term	Hours
Constitutional Law	4
Property	4



Criminal Law	3
Statutory Interpretation & Regulation	3
Lawyering Skills & Strategies	2
Total	16

Academic Policies

University of Houston Academic Policies
Academic Policies: UH Law Center

US Law, LLM

This program is for lawyers who earned their degree outside of the United States. It is a general course in which student, with their faculty, advisor, select courses that meet their personal or professional goals, such as taking a bar examination. Students can focus their students on a specific area of the law or pursue a more general course of study.

Students in the program have included recent law school graduates and practitioners with varying years of experience.

For further information, please view <http://law.uh.edu/llm/OptionsforApplicantswithNon-USLawDegree.pdf>.

Admission Requirements

Admission to the program requires a law degree from an ABA-approved U.S. law school. Lawyers educated in other countries must hold a law degree from a university accredited by the country's ministry of education or be admitted to practice law before the highest court in their jurisdiction.

All applications are submitted through the Law School Admission Council, LSAC, at <https://www.lsac.org/llm>. A complete application consists of the following:

- application form
- resume/CV
- personal statement of at least three hundred words
- two reference letters

Applicants from a country in which English is not the official language are required to provide a TOEFL or IELTS report. The Law Center typically requires a score of 100 on the TOEFL or 7.0 on the IELTS.

U.S. educated lawyers can begin the program in August and January. Lawyers who earned their law degree can only begin the program in August and the application deadline is April 15.

For more, please visit the program's application process webpage: <http://law.uh.edu/llm/admissions-requirements-and-application-procedures.asp>.

Degree Requirements



The LL.M. degree is a 24 credit program. All course selections must be approved by their faculty advisor. Students are required to take, within the 24-credit program requirement, two courses:

LAW 5319 - Intro To American Law **Credit Hours: 3.0**

LAW 5314 - Lawyering Skills & Strategies I **Credit Hours: 3.0**

Students, working in concert with their advisor, select courses all other courses to meet individual's personal or professional goals such as preparation for a bar examination.

The class schedule is published each term and is available at <http://law.uh.edu/schedule/>.

Academic Policies

University of Houston Academic Policies

Academic Policies: UH Law Center

Students must maintain a 2.00 grade point average every term. The program must be completed within three years of admission. Students must be registered for at least three credits every fall and spring term.



Special Programs

Blakely Advocacy Institute

The Blakely Advocacy Institute (BAI) is a national leader in improving the efficacy of the legal profession and justice system and teaching the art of advocacy. Through research and study for the advancement of our nation's dispute resolution systems, through continuing legal education programs in advocacy and lawyering technique, through the education of law students to become accomplished members of the legal profession, and through the representation of Houston's underserved, the Blakely Advocacy Institute merges substantive law and lawyering skills to enhance the local, national and international legal communities.

For more information:

The Blakely Advocacy Institute

Email: Blakely@uh.edu

Center for Consumer Law

The Center for Consumer Law has been a mainstay of the UH Law Center for over 30 years, offering the community easy-to-understand explanations of consumer law issues through "The People's Law School," television programs, and newspaper columns. The Center also educates lawyers, professors, and laypeople about consumer law; seeks legal, practical, and legislative solutions to common consumer problems; and encourages the development of consumer rights. The Center's "International Teaching Consumer Law Conference" is recognized worldwide as the premier program in the country. Its Consumer Complaint Center helps hundreds of consumers a month resolve disputes.

For more information:

The Center for Consumer Law

<http://www.uhccl.org>

Texas Consumer Dispute Resolution Center

www.texasccc.com

The People's Lawyer

www.peopleslawyer.net

Center for U.S. and Mexican Law

The Center for U.S. and Mexican Law is the first research center in any U.S. law school devoted to the independent, critical study of Mexican law and legal aspects of U.S. - Mexico relations. The Center's research programs are directed towards increasing the understanding of Mexican laws and legal institutions in the United States, and of U.S. laws and legal institutions in Mexico. The Center assists UH law students to arrange summer externships in Mexico City with prestigious Mexican institutions. The Center also sponsors activities to promote professional cooperation and comparative legal education in North America, through a partnership with the North American Consortium on Legal Education.

For more information:



The Center for U.S. and Mexican Law

<http://www.law.uh.edu/mexican-law/>

Email: usmexlaw@uh.edu

Criminal Justice Institute

The Criminal Justice Institute (CJI) brings together nationally-recognized scholars, top criminal law practitioners, judges and students through a variety of programs designed to enhance the study and practice of criminal law. The Institute includes such established programs as the Texas Innocence Network, the Criminal Practice Clinic, and the Criminal Trial Advocacy training program. The Institute also offers opportunities for educational and practice programs, a dual degree in law and criminology, and conferences and symposia. All of the activities of the Institute aim to enhance the practice of criminal law at the local, national, and international levels.

For more information:

The Criminal Justice Institute

Email: cji@uh.edu

Energy, Environment and Natural Resources Curriculum

The Law Center has special strengths in the areas of energy, the environment and natural resources. About a dozen courses in these areas are offered each year to both J.D. and LL. M. students. Students have opportunities to take specialized courses and write seminar papers with the professors who conduct this type of research and teach in this area.

For more information:

The Environment, Energy & Natural Resources Center

Energy, Environment and Natural Resources Curriculum (PDF)

Health Law and Policy Institute

The Health Law & Policy Institute is one of the top health law programs in the country, with one of the broadest course curricula. It was established in 1978. The Institute is an interdisciplinary center designed to stimulate teaching, research, and service in all areas of health law policy. It is actively involved in helping shape health law at the local, state, national, and international levels.

For more information:

The Health Law & Policy Institute

Email: healthlaw@uh.edu

Institute for Higher Education Law and Governance

The Institute for Higher Education Law and Governance provides research, instruction, and service in the field of higher education law, and encourages interdisciplinary work in the applied studies of administration and law. The institute offers interdisciplinary course work in education law to doctoral and law students as well as to other qualified graduate and professional students. Ongoing institute interests include the study of litigation, legislation, governance, statewide coordination, finance, and equity issues in post-secondary education. International and comparative education are also a focus within the institute and foreign scholars are regular participants in research activities. It is the only such research institute in the U.S.



For more information:
E-mail: ihelg@uh.edu

Intellectual Property and Information Law

The University of Houston Law Center's program in Intellectual Property and Information Law affords students the opportunity for study, research, and writing on patent, trademark, copyright, and trade secret subjects, as well as on interdisciplinary legal protection for computer hardware, software, and other aspects of protecting information in the global networked environment. The Law Center's offerings in these areas are extensive and are designed to provide students with a broad exposure to the central concepts of domestic and international protection of proprietary technology, information, and expression in the modern world.

For more information:
Intellectual Property and Information Law
Email: ipil@uh.edu

North American Consortium on Legal Education (NACLE)

The UH Law Center leads the North American Consortium on Legal Education (NACLE), a consortium of law schools in the United States, Canada, and Mexico. NACLE arranges term-long exchanges for UH law students and law faculty, which facilitate greater understanding of neighboring legal systems and foster greater international and multicultural cooperation.

For more information:
North American Consortium on Legal Education



External Affairs: UH Law Center

The Office of External Affairs represents the UH Law Center to the external, legal, and business communities. The Office of External Affairs is charged with maintaining the relationship between the UH Law Center and its alumni, planning UH Law Center events, raising the visibility of UH Law Center programs, and identifying and cultivating donors to the UH Law Center. In addition, the Office of External Affairs services University of Houston Law Center alumni by providing ongoing Continuing Legal Education events to help alumni meet the minimum requirements set forth by the State Bar of Texas.

UH Law Center graduates are automatically members of the Law Alumni Association. The Office of External Affairs works closely with the UH Law Alumni Association and the University of Houston Law Foundation. The Law Alumni Association Board of Directors plans alumni activities, engages in fundraising, and serves in an advisory capacity to the dean.

The University of Houston Law Foundation is a nonprofit 501 (c) (3) organization that receives and administers funds for the benefit of the UH Law Center. The UH Law Foundation maintains endowments for various scholarship funds and student activities, endowed faculty positions, academic program support, and general unrestricted gifts.

For more information, see the Law Center Alumni page or call (713) 743-2201 or e-mail briefcase@uh.edu.



Graduate Faculty: UH Law Center

Faculty Emeriti
Faculty
Library Staff
Adjunct Faculty



Faculty

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Kellen Zale. Assistant Professor of Law. A.B., Princeton University; J.D. Duke University School of Law.



Faculty Emeriti

Richard M. Alderman. Professor Emeritus of Law .Director, Consumer Law Program. B.A., Tulane University; J.D., Syracuse; LL.M., University of Virginia

G. Sidney Buchanan. Professor Emeritus of Law. A.B., Princeton University; J.D., University of Michigan.

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Robert Schuwerk. Professor Emeritus of Law. B.S., M.A.T.M, University of Chicago; J.D., University of Chicago.

Stephen Zamora. Professor Emeritus of Law; Executive Director of the Center for U.S. and Mexican Law; Director of North American Consortium on Legal Education (NACLE). B.A., Stanford University; J.D., University of California at Berkeley.



Librarians: UH Law Center

Katy Stein Badeaux. Reference/Research Librarian. B.A., University of Texas at Austin; J.D., Southern Methodist University; M.L.S., University of Arizona.

Helen Boyce. Access Service. B.A., University of Texas at Austin.

Robert N. Clark. Reference/Research Librarian. B.A., University of North Texas; J.D., M.L.S., Indiana University at Bloomington.

Daniel G. Donahue. International and Foreign Law Librarian. B.A., University of Virginia; M.A., University of Hawaii; M.L.I.S., Catholic University of America.

Christopher Dykes. Reference/Research Librarian. B.A., M.S., University of Tennessee; LL.M., Villanova University; J.D., University of Baltimore.

Emily Woolard Lawson. Reference/Research Librarian. B.A., J.D., Indiana University at Bloomington; M.L.S., Indiana University at Indianapolis.

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Virginia Davis McFarland. Coordinator, Government Documents. B.A., Loyola University; M.S.L.S., Florida State University; M.A., University of Houston.

Spencer L. Simons. Director, O'Quinn Law Library and Associate Professor of Law. B.A., M.B.A., J.D., M.Lib., University of Washington.

Marek B. Waterstone. Head of Acquisitions and Collections. B.A., M.A., Wayne State University; J.D., University of Missouri; M.L.S., University of Washington.



Liberal Arts & Social Sciences

Joint Programs

Measurement, Quantitative Methods, and Learning Sciences, PhD

College of Liberal Arts and Social Sciences

Department of African American Studies

Programs

Graduate Certificate

- African American Studies, Certificate

Jack J. Valenti School of Communication

Programs

Master

- Communication, MA

Department of Communication Sciences and Disorders

Programs

Master

- Communication Disorders, MA

Doctoral

- Communication Sciences and Disorders, PhD



Department of Comparative Cultural Studies

Programs

Master

- Anthropology, MA

Department of Economics

Programs

Master

- Applied Economics, MA

Doctoral

- Economics, PhD

Dual Degree - Graduate

- Applied Economics, MA/Public Policy, MPP

Department of English

Programs

Master

- Creative Writing, MFA
- English, MA

Doctoral

- Creative Writing and Literature, PhD
- English, PhD

Graduate Certificate

- Empire Studies, Certificate
- Poetry and Poetics, Certificate
- Translation Studies, Certificate



Department of Health and Human Performance

Programs

Master

- Human Nutrition, MS
- Master of Athletic Training, MAT
- Sport and Fitness Administration, MA

Doctoral

- Kinesiology, PhD

Graduate Certificate

- Sport and Fitness Operations Management, Certificate
- Strength and Conditioning, Certificate

Department of Hispanic Studies

Programs

Master

- Hispanic Studies, MA
- Spanish, MA

Doctoral

- Spanish, PhD

Graduate Certificate

- Spanish as a Heritage Language Certificate

Department of History

Programs

Master

- History, MA



Doctoral

- History, PhD

Department of Modern and Classical Languages

Programs

Master

- World Cultures and Literatures, MA

Graduate Certificate

- Applied Linguistics in Teaching Chinese Certificate
- Global Cinema Studies Certificate

Department of Philosophy

Programs

Master

- Philosophy, MA

Department of Political Science

Programs

Master

- Political Science, MA

Doctoral

- Political Science, PhD

Dual Degree - Accelerated Pathway

- Political Science, Accelerated BA/MA



Department of Psychology

Programs

Doctoral

- Clinical Psychology, PhD
- Industrial/Organizational Psychology, PhD
- Integrative Program in Developmental, Cognitive, and Behavioral Neuroscience, PhD
- Social Psychology, PhD

Public Administration Program

Programs

Master

- Public Administration, MPA

Department of Sociology

Programs

Master

- Sociology, MA

Women's, Gender, and Sexuality Studies Program

Programs

Graduate Certificate

- Women's Studies Interdisciplinary Certificate





About the College of Liberal Arts and Social Sciences

Office of the Dean

402 Agnes Arnold Hall
(713) 743-3000

Dean:

Antonio D. Tillis, Ph.D.

Associate Deans:

Anadeli Bencomo, Ph.D., Research and Faculty Affairs
Sarah Fishman, Ph.D., Undergraduate Studies
Catherine Patterson, Ph.D., Graduate Studies

Program Director for Academic Records - Graduate Studies

402 Agnes Arnold Hall
(713) 743-4012

Academic Affairs - Undergraduate Studies

320 Agnes Arnold Hall
(713) 743-4001

Departments, Centers, and Programs

Air Force Science Program

109 Garrison
(713) 743-4932

Arte Publico Press

452 E. Cullen Performance Hall
(713)743-2843

Center for Mexican American Studies



323 Agnes Arnold Hall
(713) 743-3136

Military Science Program

28 Hofheinz Pavilion
(713) 743-3875

Jack J. Valenti School of Communication

101 Communication Building
(713) 743-2873

Department of African American Studies

629 Agnes Arnold Hall
(713) 743-2811

Department of Communication Sciences and Disorders

100 Clinical Research Services Center
(713) 743-2897

Department of Comparative Cultural Studies

233 McElhinney Hall
(713) 743-3780

Department of Economics

204 McElhinney Hall
(713) 743-3800

Department of English

205 Roy Cullen Building
(713) 743-3004

Department of Health and Human Performance

(713) 743-9840
104 Garrison Gymnasium



Department of Hispanic Studies

416 Agnes Arnold Hall
(713) 743-3007

Department of History

524 Agnes Arnold Hall
(713) 743-3083

Department of Modern and Classical Languages

613 Agnes Arnold Hall
(713) 743-83507

Department of Philosophy

513 Agnes Arnold Hall
(713) 743-3010

Department of Political Science

447 Philip G. Hoffman Hall
(713) 743-3890

Department of Psychology

126 Heyne Building
(713) 743-8500

Public Administration Program

312 Philip G. Hoffman Hall
(713) 743-3931

Department of Sociology

450 Philip G. Hoffman Hall
(713) 743-3940

Women's, Gender, and Sexuality Studies Program



624 Agnes Arnold Hall
(713) 743-3214

General Information

The College of Liberal Arts and Social Sciences is a dynamic academic environment dedicated to the study of human creativity and society, as well as our mental and physical capabilities and conditions. The largest and most diverse of the colleges at the University of Houston, CLASS is home to 16 schools, departments, and programs offering graduate degrees, certificates, and courses in the humanities and the behavioral and social sciences. The goal of the graduate programs is to provide advanced academic instruction and expertise in the methods and skills of each discipline and to prepare students for academic or professional employment in their respective fields.



Admission Requirements: College of Liberal Arts and Social Sciences

The college requires a bachelor's degree from an accredited institution and an appropriate background in the subject to be studied for entry into any of its graduate programs. Applicants must satisfy all University of Houston Admission Requirements as specified in this catalog. These include the submission of a graduate application, transcripts from every institution of higher education attended, Graduate Record Examination (GRE scores), letters of recommendation, and a statement of interest. (Verbal, quantitative, and analytical writing GRE scores are examined separately and evaluated as one information source in the total application).

International applicants must, in addition, provide scores on the Test of English as a Foreign Language (TOEFL) or the International English Testing System (IELTS) or the Pearson Test of English (PTE). Minimum TOEFL score for international applicants is 79 (internet-based test), including a minimum writing score of 20; minimum IELTS score is 6.5, including a minimum writing score of 6.5; and minimum PTE is 53.

Unconditional and Conditional Admission Requirements

Unconditional

To be eligible for unconditional admission, students must have a grade point average of at least 3.00 (A=4.00) during the last 60 semester hours of graduate and/or undergraduate work attempted.

Conditional

Conditional admission may be granted to students who have a grade point average of at least 2.60 (A=4.00) and whose test scores in combination with other elements of the application materials indicate probable success in the graduate program. To remain in a graduate studies program, conditionally admitted students must earn a grade point average of at least 3.00 (A=4.00) on the first 12 semester hours of graduate work attempted at the University of Houston. Applicants without a strong background for graduate study in the discipline may be requested to take leveling courses as a condition of admission.

The conditional admission category applies only at the master's level. Conditional admission may not be granted to doctoral-level applicants.

Please refer to the departmental sections of this catalog for specific information on admission requirements for particular programs, as some programs may have higher requirements than the minimum standards listed above. Applicants should contact the individual departments to determine what additional materials may be required to accompany the application for admission.

Continuation

Any student's continuation in the graduate programs of the College of Liberal Arts and Social Sciences is at the discretion of the college, the major department, and the major advisor. A satisfactory rate of progress toward the degree is required throughout a student's enrollment. A department or program may terminate enrollment at any time if the rate of progress is not satisfactory or if the student falls out of good standing.

The college requires a cumulative grade point average of 3.00 or better for good standing and graduation; some departments and programs require a higher minimum GPA. In addition, the college requires adherence to the university's low grade policy.



Academic Policies: College of Liberal Arts and Social Sciences

Continuous Enrollment

A graduate student who cannot enroll in a given semester must apply to the College of Liberal Arts and Social Sciences for a leave of absence in order to remain in good standing.

A student who interrupts enrollment in a graduate program in the college for more than 13 months and does not have a pre-approved leave of absence petition for that time period must petition to re-enter the program for the appropriate semester. The program of the student who is accepted will be governed by the catalog in effect at the time of the student's reentrance to the graduate program.

Postbaccalaureate Course Work

A postbaccalaureate student is a student who has earned one or more baccalaureate or higher degrees at an accredited institution. An applicant seeking this classification rather than graduate status must apply to the Office of Admissions.

Individual departments set policies regarding postbaccalaureate study. Students are responsible for contacting the unit in which they wish to take courses prior to registration in order to determine whether that department allows postbaccalaureate students to enroll in graduate courses; how many such courses the students may take; and whether advanced courses taken while students are classified as postbaccalaureates may be applied toward a graduate degree. Some units do not allow courses taken by postbaccalaureate students to be credited toward a graduate degree. The maximum number of semester hours that a department may approve for credit toward a graduate degree is 12.

Academic Grievance Policy

In the normal conduct of education at the University of Houston, justifiable grievances may arise concerning the violation of university, college, or department academic policies or procedures. The College of Liberal Arts and Social Sciences is committed to resolving these grievances in a fair, orderly, and expeditious manner. To that end, the college has established informal and formal procedures beginning at the department level for settling academic grievances.

An academic grievance refers to an action taken against a student by a member of the faculty (including part-time instructors and teaching assistants), staff, or administration that either violates a university, college, or department academic policy or procedure or prejudicially treats the student on the basis of race, color, national origin, religion, sex, age, handicap, veteran status, or any other non-academic status or characteristic.

Because assigning a grade or evaluating a student's work performance involves the faculty's professional judgment and is an integral part of the faculty's teaching responsibilities, disagreement with an instructor concerning a grade or evaluation is not a justifiable grievance to be considered under this policy unless factors such as those mentioned in the previous paragraph can be shown to have affected that grade or evaluation. A student with a justifiable grievance that can be substantiated should initiate academic grievance proceedings as soon as possible after the action in dispute occurs.

Any student who believes he or she has an academic grievance involving the College of Liberal Arts and Social Sciences should first try to resolve the grievance informally with the faculty member or other involved parties. In some cases, the student may have to discuss the grievance with the department chair, the college officer designated by the dean, or both before obtaining a satisfactory resolution.

If the informal discussions do not resolve the academic grievance, the aggrieved student may initiate a formal grievance by submitting a written complaint to the chair of the department involved (or the college officer designated by the dean if the chair is the focus of the grievance) within 60 days of initiating informal proceedings.



The aggrieved student who does not obtain a satisfactory resolution at the departmental level may file a formal appeal first with the office of the dean and then, failing to obtain satisfaction, with the Graduate and Professional Studies Council and the office of the senior vice president for academic affairs.

The procedures a graduate student must follow to file an academic grievance in the College of Liberal Arts and Social Sciences are available at the CLASS website and in the Dean's Office (402 Agnes Arnold Hall).

Incomplete Grades

The grade of I (incomplete) is a conditional and temporary grade given when students are passing a course but, for reasons beyond their control, have not completed a relatively small part of all requirements. Students are responsible for informing the instructor immediately of their reason for not submitting an assignment on time or for not taking an examination. The grade of I must be changed by fulfilling the course requirements within one year of the date awarded, or, in conformity with university policy, the grade will be changed automatically to F or U (in S-U graded courses).

Residency

In a 30-hour degree, at least 24 semester hours of credit must be earned in residence at the University of Houston campus. In a 36-hour degree, at least 30 semester hours must be earned in residence. Students enrolled in doctoral programs must have a minimum of one academic year of continuous enrollment to satisfy the college's residence requirement.

Time Limits

A master's degree program must be completed within the period specified by the department, but under no circumstances in more than five years of the date of enrollment in the master's program.

Students who enroll as doctoral candidates must complete their degree requirements within the length of time specified by the department, but in no circumstances more than ten years of the date of first enrollment with a doctoral degree objective. Failure to comply will result in the candidate being ineligible for that doctoral degree.

Doctoral students who fail to complete the dissertation within five years after passing the comprehensive examination must retake the examination. Leaves of absence that have been granted do not extend the above time limits.

Transferred Courses

No more than nine semester hours of transferred courses may be applied to a master's degree. Determination of course equivalency of transferred work resides with the proposed major department. Refer to the university's Transferred Courses rule for more information.

Ad Hoc Interdisciplinary Doctoral Degree Option

Departments granting Doctor of Philosophy degrees may modify their Ph.D. course requirements in individual cases to permit a larger share of course work to take place outside the department. When course requirements are modified, the department must submit the design of the ad hoc interdisciplinary curriculum and the names of the sponsoring department and supporting department graduate faculty members, who are responsible for directing the student through the curriculum and dissertation to the dean for approval. If the dean approves the curricula, a copy of the dean's written approval will be forwarded to the Office of the Senior Vice President/Provost. Doctoral students interested in this option should talk to the director of graduate students in the student's department about the possibility of modifying course requirements.



CLASS degrees

College of Liberal Arts and Social Sciences

Joint Programs

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College of Liberal Arts and Social Sciences

Department of African American Studies

Programs

Graduate Certificate

- African American Studies, Certificate

Jack J. Valenti School of Communication

Programs

Master

- Communication, MA

Department of Communication Sciences and Disorders

Programs

Master

- Communication Disorders, MA

Doctoral



- Communication Sciences and Disorders, PhD

Department of Comparative Cultural Studies

Programs

Master

- Anthropology, MA

Department of Economics

Programs

Master

- Applied Economics, MA

Doctoral

- Economics, PhD

Dual Degree - Graduate

- Applied Economics, MA/Public Policy, MPP

Department of English

Programs

Master

- Creative Writing, MFA
- English, MA

Doctoral

- Creative Writing and Literature, PhD
- English, PhD

Graduate Certificate

- Empire Studies, Certificate



- Poetry and Poetics, Certificate
- Translation Studies, Certificate

Department of Health and Human Performance

Programs

Master

- Human Nutrition, MS
- Master of Athletic Training, MAT
- Sport and Fitness Administration, MA

Doctoral

- Kinesiology, PhD

Graduate Certificate

- Sport and Fitness Operations Management, Certificate
- Strength and Conditioning, Certificate

Department of Hispanic Studies

Programs

Master

- Hispanic Studies, MA
- Spanish, MA

Doctoral

- Spanish, PhD

Graduate Certificate

- Spanish as a Heritage Language Certificate

Department of History

Programs



Master

- History, MA

Doctoral

- History, PhD

Department of Modern and Classical Languages

Programs

Master

- World Cultures and Literatures, MA

Graduate Certificate

- Applied Linguistics in Teaching Chinese Certificate
- Global Cinema Studies Certificate

Department of Philosophy

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Master

- Philosophy, MA

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Programs

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Doctoral

- Political Science, PhD

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- Political Science, Accelerated BA/MA

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Programs

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- Industrial/Organizational Psychology, PhD
- Integrative Program in Developmental, Cognitive, and Behavioral Neuroscience, PhD
- Social Psychology, PhD

Public Administration Program

Programs

Master

- Public Administration, MPA

Department of Sociology

Programs

Master

- Sociology, MA

Women's, Gender, and Sexuality Studies Program

Programs

Graduate Certificate



- Women's Studies Interdisciplinary Certificate

Department of African American Studies

The mission of the Department of African American Studies at the University of Houston is reflected in the larger vision of Black, Africana and African American Studies departments and programs' commitment to the development of the knowledge of people of African descent in America, throughout the greater Diaspora and on the Continent. The program develops, promotes and enhances the knowledge and information of the discipline as well as the collective consciousness of African descended people, which will in turn lead to the growth and prosperity of strong communities and a powerful nation. AAS focuses upon the cultural and historical heritage of Africans on the Continent, in America and throughout the greater Diaspora and their contributions to the world's history and civilizations

African American Studies is a distinct academic discipline that engages Africa-centered research and teaching through an interdisciplinary approach to scholarly inquiry. The term Africa-centered signifies that the epistemological starting point for scholarly analysis resides in the historical and cultural understanding that African people are people of the African continent regardless of the recency or geographical distance of their out migration from the African homeland.

Employing tools from the humanities and social sciences for academic study, research, and teaching, African American Studies explores the varied dimensions of the human experience -- that is, phenomena, ideas, events, peoples, and personalities -- from the perspective of the interests of African people in the United States and their relationship to themselves and to African and other peoples in the world.

Hence, the mission of African American Studies is to provide students with a comprehensive quality undergraduate and graduate education and the opportunity for a creative intellectual experience based on the critical and systematic study of the life, thought, and practice of African peoples in their current and historical unfolding.

Interdisciplinary in both conception and practice, African American Studies seeks to critically examine and understand the African experience from an African-centered perspective, that is, from a position internal to the culture, joined with an openness and receptivity to the rich variety and instructiveness of the total human experience. African American Studies stresses comparative analysis and holistic thinking as indispensable to the discipline and the general educational enterprise.

Within this framework, the goals of African American Studies are:

- To expand our degree offerings by transitioning from a program to a tenure-granting department, and, thus, recruit a faculty that will enable the department to introduce a baccalaureate major degree in the discipline at the University of Houston;
- To cultivate and increase the awareness of UH students to international and cultural pluralism and to stimulate their sensitivity to issues of culture, race, ethnicity, class, and gender;
- To further internationalize the Africana Studies curriculum to include the study of African peoples in other parts of the world in addition to those on the Continent and in the United States, i.e., in the Caribbean, Central and South America, Asia, Europe, and the Pacific Rim;
- To encourage expanded scholarly productivity and professional activity by the department's faculty to maintain currency with the latest developments in the discipline and insure the highest levels of instruction and intellectual exchange;
- To increase the holding of conferences, seminars, colloquia, and other fora devoted to the expansion of the discipline,
- To develop and maintain links with local high schools and community colleges;
- To maintain and strengthen existing links with the community through expanding joint educational and practical projects and exchanges;



To increase the utility of academic service to Houston's African American community through research and publication on historical and public policy issues by means of The Black Houston History Project and the Institute for African American Policy Research;

To expand and further consolidate the intellectual space of the discipline as an integral and indispensable part of the university's mission to offer a culturally pluralistic quality undergraduate and graduate education to its students.

Graduate Certificate

African American Studies, Certificate

The Graduate Certificate in the Department of African American Studies Program is a nine-hour disciplinary concentration open to students in all UH graduate and professional degree programs. It is also open to post-baccalaureate professionals (including teachers, social service providers, policymakers, and others) interested in enhancing their knowledge and understanding of Africana phenomena.

The Graduate Certificate in the Department of African American Studies introduces students to advanced discussions, analyses, theoretical perspectives, and research methodologies in the discipline of Africana Studies. In addition, it provides intellectual breadth to a student's course of study, increasing the depth and coherence of the student's work within her/his primary field of study on critical issues concerning Africana phenomena. Africana Studies is a distinct academic discipline that engages Africa-centered research and teaching through an interdisciplinary approach to scholarly inquiry. Employing tools from the humanities and social sciences for academic study, research, and teaching, Africana Studies explores the varied dimensions of the human experience -- that is, phenomena, ideas, events, peoples, and personalities -- from the perspective of the interests of African people in the United States and their relationship to themselves and to African and other peoples in the world.

Admission Requirements

A completed African American Studies Graduate Certificate application.

A \$25.00 application fee.

Official Transcripts from every institution of higher education attended showing an awarded undergraduate or graduate degree.

Students currently enrolled in a University of Houston Graduate Program who are applying to concurrently enroll in the African American Studies Graduate Certificate may submit unofficial transcripts as part of their Certificate application.

A curriculum vitae or resume.

Two letters of recommendation.

A letter of application (1000-1500 words) answering the following question: "What about the Black experience interests you in obtaining a graduate certificate in African American Studies?"

Certificate Requirements

Students pursuing the African American Studies Graduate Certificate ONLY are required to take AAS 6300 and two electives to meet the 9-credit hour requirement.

Required Course(s)

AAS 6300 - Africana Study Theory & Method **Credit Hours: 3**

Elective Course Options

Choose two courses from the following (6 credits):



AAS 6307 - Seminar On MLK Jr. & Malcolm X **Credit Hours: 3**

AAS 6308 - Africana Religion & Biography **Credit Hours: 3**

AAS 6311 - African American Social and Philosophical Foundations **Credit Hours: 3**

Jack J. Valenti School of Communication

The Jack J. Valenti School of Communication offers the MA in:

Master

Communication, MA

The Jack J. Valenti School of Communication at the University of Houston offers a Master's degree in Communication directed toward professional success in both academic and nonacademic careers. The goal of the program is to produce graduate students who are able to move effectively into professional media positions, advance their current careers, teach in junior colleges or high schools, or enter into top doctoral programs.

To date, our school has placed graduates into top-ranked PhD programs as well as into nonacademic positions in both public and private institutions. Regardless of the career goal, the graduate program broadens each student's communication expertise through courses that improve conceptual, applied, and research skills - all of which are critical for successful careers in today's information-oriented and changing global society.

Areas of Concentration

Within the MA in Communication, there are four specializations from which a student must choose one. The four areas are:

Health Communication, which focuses on examining the symbolic and organizational processes by which people, individually and collectively, understand, shape, and accommodate to health and illness.

Journalism & Mass Communication, which focuses on the development of modern media systems and their impact on society, and examines ways in which the media contribute and respond to political, social and economic issues

Public Relations, which focuses on theory and research that is needed to help advancing practitioners assist organizations to communicate and strengthen relationships with their stakeholders. Emphasis is given to management issues relevant to products, services, image, and public policy issues.

Global & Intercultural Communication, which focuses on communication patterns and formats between and among people across national borders and cultures with the aim of understanding the transfer of knowledge, opinions, values, and culture across boundaries

For more information, contact: Dr. Lindita Camaj, Director of Graduate Studies, at lcamaj@uh.edu.

Admission Requirements

In addition to meeting the college graduate admission requirements, applicants to the communication program must have achieved an undergraduate degree in communication or related subfield or have completed at least 18 college-level hours in the field.

For details on the application process and required documentation, please visit: <https://uh.edu/class/communication/graduate/how-to-apply/>.



Admission Information

To be considered eligible for unconditional admittance, the student must:

- Have earned a Bachelor's Degree in an appropriate field from an accredited institution,
- Have a minimum 3.0/4.0 Grade Point Average (GPA) in the last 60 undergraduate hours attempted, and
- Have competitive scores on the GRE which are historically 153 or higher for the verbal portion, 153 or higher for math/quantitative portion in the current scoring system, and a 3.5 on the writing portion.

International students currently enrolled in an MA program with which we have an MOU may waive the GRE requirement. Students who have earned several grades of C or below in undergraduate communication courses will not be deemed eligible for this level of admission.

Applicants not meeting the criteria for unconditional admission might be considered for conditional admission. Any student admitted conditionally must:

- Have a GPA of at least 2.7/4.0 in the last 60 undergraduate hours attempted,
- Have a GPA of at least 3.00 in undergraduate communication course hours
- Have acceptable GRE scores, and
- Have other application materials that suggest the student can succeed in the graduate program.

All materials in the application packet (letters of recommendation, statement of purpose, transcripts and GRE scores) are considered in admission decisions.

Conditional admittance requires that the student maintain at least a "B" average in the first 12 hours attempted in graduate school. Conditional students will have their status changed by the graduate studies advisor after 12 hours of coursework provided they have maintained a "B" average in the first 12 hours of coursework. Students cannot embark on the next stage of the MA program - the thesis option, the comprehensive exam option, or the applied project option - until they are granted unconditional status. This is normally conferred (1) if the student has completed all undergraduate deficiencies noted at the time conditional status was granted, (2) if the student has fulfilled all graduate degree prerequisites, (3) if the student has terminated all incompletes on her/his graduate record, and (4) if the student has maintained a minimum (3.0) GPA in the graduate program.

Degree Requirements

Credit hours required for this degree:

- Thesis Option - 30.0
- Comprehensive Exam Option - 33.0
- Project Option - 33.0

Thesis Option

All course work should be selected in conjunction with the graduate director, members of the thesis/comprehensive exam committees, and other professors in their areas of concentration.

- COMM 6300 - Quantitative Research Methods **Credit Hours: 3.0**
- COMM 6305 - Qualitative Research Methods **Credit Hours: 3.0**
- COMM 6399 - Masters Thesis **Credit Hours: 3**
- COMM 7399 - Masters Thesis **Credit Hours: 3**

Note:



Six hours of thesis credits (6399 and 7399) are the minimum requirement of hours to complete a thesis. In order to fulfill the requirements of finishing a thesis that is approved by the student's thesis committee, the student may be required to enroll in more than the required number of hours.

Three hours of pre-approved 4000-level coursework may be taken.

Comprehensive Exam Option

All course work should be selected in conjunction with the graduate director, members of the thesis/comprehensive exam committees, and other professors in their areas of concentration.

The student must pass a comprehensive examination in the final term of the degree program.

COMM 6300 - Quantitative Research Methods **Credit Hours: 3.0**

COMM 6305 - Qualitative Research Methods **Credit Hours: 3.0**

COMM 6395 - Comprehensive Examination **Credit Hours: 3.0**

One Concentration Area Theory Course. **Credit Hours: 3.0**

Seven Other Graduate Courses. **Credit Hours: 21.0**

Note:

Three hours of pre-approved 4000-level coursework may be taken.

Project Option

All course work should be selected in conjunction with the graduate director, members of the thesis/comprehensive exam committees, and other professors in their areas of concentration.

The student must complete a capstone project in the final term of the degree program.

COMM 6300 - Quantitative Research Methods **Credit Hours: 3.0**

COMM 6305 - Qualitative Research Methods **Credit Hours: 3.0**

COMM 6390 - Applied Project **Credit Hours: 3.0**

One Concentration Area Theory Course. **Credit Hours: 3.0**

Seven Other Graduate Courses. **Credit Hours: 21.0**

Note:

Three hours of pre-approved 4000-level coursework may be taken.

Academic Policies

University of Houston Academic Policies

Academic Policies: College of Liberal Arts and Social Sciences

Policies on Courses

NO course at the 3000 level or below are accepted for graduate credit.

Only courses in which a grade A through F is awarded can be applied to the number of hours required for a degree. Courses with grades of U or S do not meet degree requirements, except for comprehensive examination credit, which does not count as hours required for graduation.

All students admitted to graduate status must choose one of three options - the Thesis Option, the Applied Project Option, or the Comprehensive Exam Option - by the end of 12 hours, of graduate study. The requirements for each option are outlined below.



Only one 4000 level course, with an additional research component, may be petitioned for consideration as graduate credit.

Undergraduate courses taken to fulfill undergraduate deficiencies will not count as undergraduate courses credited to the graduate program. A petition must be submitted two weeks prior to enrollment and to allow for the multiple signatures required. The completion of a petition does not guarantee acceptance.

For courses taken outside of Valenti School of Communication, a petition must be submitted two weeks prior to enrollment and to allow for the multiple signatures required. These hours should supplement the student's area of concentration

Special Problems Course: Students may enroll in one special problems course with an individual professor. A special problems course is 3 credit hours. The appropriate section number is available each term from the professor who will direct the study or from the graduate assistant. The student must complete a general petition form outlining the nature of the independent study, the product to be produced and evaluated, and how often student and professor will meet throughout the term. After the professor signs the general petition form, the student needs to submit it to the Director of Graduate Studies. The director of Graduate Studies must, before the last day of enrollment, have approved this petition. A student who fails to comply with this provision will be dropped from the state audit roll if the petition is not on file and approved by the twelfth class day. In no case may unapproved special problems hours be counted toward a degree.

Department of Communication Sciences and Disorders

Master

Communication Disorders, MA

The Master of Arts education program in Speech Language Pathology at the University of Houston is accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology of the American Speech-Language-Hearing Association (ASHA).

Therefore, the Communication Disorders MA provides students with the required academic and practicum experience to apply for the Certificate of Clinical Competence (CCC) of ASHA and to apply for licensure to practice speech language pathology in Texas. Students who complete this program are prepared to take the national Praxis Speech Language Pathology exam and to begin their clinical fellowships, the final required steps to reaching full certification (CCC).

Students who pursue this degree are interested in the theory, science, and methods of improving impaired human communication and swallowing. Speech language pathologists help people who have problems with language, speech, cognition, and swallowing. Individuals with disorders of language include children who do not meet developmental expectations due to many causes as well as individuals (adults and children) who have acquired disorders following a stroke, traumatic brain injury, or other medical condition. Language disorders may also be due to deficits in the social use of language, known as pragmatics. Some people who cannot use traditional spoken language for communication work with speech-language pathologists using alternative forms to share their messages. This may include sign language or an electronic device. Speech disorders often occur in children who produce sound errors along with other individuals (adults and children) who stutter or have acquired speech disorders due to stroke, traumatic brain injury, or other neurological disorders. Cognitive disorders that underlie communication, such as attention, memory, organization and reasoning, can be impaired after brain injury or can be part of a developmental disorder. Swallowing disorders, although usually the result of a medical condition, may also be a result of behavioral factors. Students in the Communication Disorders MA program learn about all of these areas. Graduates, upon completing the Praxis exam and 9 month clinical fellowship requirements leading to the CCC, will serve in settings from private homes to schools to hospitals and clinics, and work with clients across the life span.

For more information, please visit the Communication Sciences and Disorders website (www.uh.edu/class/comd/).

Admission Requirements



In addition to meeting the College of Liberal Arts and Social Sciences graduate admission requirements, applicants to the program must have completed required background courses in basic sciences (physical, biological, and social/behavioral), statistics, and normal human communication processes at the undergraduate or post-baccalaureate level with a grade point average of at least 3.00 (A=4.00). Less tangible factors also contribute to admission decisions. These may include:

- communicating effectively and interacting constructively in a clinical and/or supervisory relationship,
- the ability to use critical thinking and problem solving, and
- the potential for contributing to the profession of speech-language pathology.

Information on how to apply can be found on the How to Apply to UH Graduate School. Specific requirements include:

- official transcripts from each university attended
- official GRE scores
- personal statement
- three letters of recommendation and
- resume

International applicants should visit the International Graduate Students page to learn more about the additional required documentation and English language proficiency requirements. All applications require an application fee.

Degree Requirements

Credit hours required for this degree: 49.0 - 52.0

Plan I: Thesis Option

Students must complete:

- A minimum of 52.0 Credit Hours
 - 31.0 Credit Hours in content courses in the major
 - 15.0 Credit Hours of practicum experience
 - 6.0 Credit Hours will consist of thesis credit
- An oral defense of the thesis is required
- Must pass one evidence-based practice report

Plan II: Non-Thesis Option

Students must complete:

- A minimum of 49.0 Credit Hours
 - 31.0 Credit Hours in content courses in the major
 - 15.0 Credit Hours of practicum experience
 - 3.0 Credit Hours of electives
 - The elective can be an approved elective taken in Communication Sciences and Disorders or selected from pre-approved courses outside the department.
- A comprehensive examination is required
- Must pass two evidence-based practice reports

Core Courses



- COMD 6230 - Autism Spectrum Disorders **Credit Hours: 2.0**
- COMD 6240 - Augmentative and Alternative Communication **Credit Hours: 2.0**
- COMD 6261 - Research and Critical Thinking **Credit Hours: 2.00**
- COMD 6321 - Swallowing Disorders **Credit Hours: 3.00**
- COMD 6326 - Motor Speech Disorders **Credit Hours: 3.0**
- COMD 6328 - Acquired Cognitive Disorders **Credit Hours: 3.0**
- COMD 6334 - Aphasia & Related Com Disorder **Credit Hours: 3.0**
- COMD 6372 - Remediation of Childhood Language Disorders **Credit Hours: 3.00**
- COMD 6387 - Voice Disorders **Credit Hours: 3.0**
- COMD 7270 - Graduate Seminar in Speech-Language Pathology **Credit Hours: 2.0**
- COMD 7221 - Fluency Disorders **Credit Hours: 2.00**
- COMD 7322 - Speech Sound Disorders **Credit Hours: 3.00**

Academic Policies

University of Houston Academic Policies

Academic Policies: College of Liberal Arts and Social Sciences

In general, the Communication Disorders MA academic policies mirror those of the University and College of Liberal Arts and Social Sciences. However, this program is more rigorous in the area of academic progress. A student in the COMD Master's program may only have one grade lower than a B-in an academic class or below a B in clinic/externship before being dismissed due to insufficient academic progress. A student who is unable to pass the evidence-based practice report following intervention also may be dismissed due to lack of academic progress. Additionally, students removed from graduate standing are not eligible to enroll in practicum courses.

Doctoral

Communication Sciences and Disorders, PhD

The primary educational objective of the PhD in Communication Sciences and Disorders is to provide students with preparation for academic careers in the field of speech-language pathology/communication sciences and disorders. The program is mentor-based with the student and mentor designing a program of study that meets the student's goals within the general guidelines of the program as outlined (e.g., number of credits, first-year project). Given the broad range of research areas by our faculty, applicants must identify an area of study and the potential professor(s) with whom they share common scientific interests. Acceptance of a student into the COMD PhD program is determined on an individual basis by a number of factors including GRE scores, GPA, letters of recommendation and identification of an area of study and agreement by a COMD faculty member to provide mentoring. A UH COMD faculty member must accept the responsibility of being the student's primary mentor before the applicant is admitted to the PhD program.

For more on the program, please visit: <http://www.uh.edu/class/comd/programs/phd/>.

Admission Requirements

Acceptance of a student into the COMD PhD program is determined on an individual basis by a number of factors.

Students must meet or exceed the minimum requirements of the Graduate School of the University of Houston (see <http://www.uh.edu/graduate-school/admissions/how-to-apply/>). The University of Houston requires that doctoral applicants have earned at least a bachelor's degree from a regionally accredited U.S. institution or at an institution at which English is the medium of instruction in Communication Science and Disorders or a related discipline. (See the Graduate School's web page for international applicants for additional requirements for international students at <https://www.uh.edu/graduate-school/international-students/>.)



Official transcripts from each college or university attended previously, including the degree(s) earned and date(s) of all higher-education academic experience should be submitted.

Recent (within the past five years) GRE scores.

GRE Waiver Option - The GRE requirement is waived for applicants to the PhD Program in Communication Sciences and Disorders who have submitted the following materials to allow the admissions committee to make their decision:

- a bachelor's degree or a master's degree from an institution accredited by one of the six regional accrediting associations as specified in the UH Minimum Qualifications for Admission to Masters and Doctoral Programs (General Admission Policy) or an accepted international institution of higher education as demonstrated by official transcripts,
- the College of Liberal Arts and Social Sciences minimum GPA of 3.0 for unconditional admission,
- an applicant interview with prospective mentor and commitment from the mentor,
- three letters of recommendation,
- a resume or curriculum vitae,
- a statement of interest,
- applicable application fees,
- and additional materials required for international applicants (<https://www.uh.edu/graduate-school/international-students/>)

Identification of and preliminary interview with a potential faculty mentor.

A personal resume and statement of interest.

Degree Requirements

Credit hours required for this degree: 54.0

The doctoral program in COMD is mentor-based with the student and mentor designing a program of study that meets the student's goals within the general guidelines of the program.

Students entering with a Master's Degree are required to complete a minimum of 54 semester credit hours.

Students entering with a Bachelor's degree are required to earn an additional 30 semester credit hours, for a total of 84 semester credit hours.

A set of core classes are required from all PhD students to ensure the quality of their training: COMD 8392, Advanced research Methods; COMD 8x91, COMD Research; COMD 8x93 COMD Proseminar; COMD 8397 Selected Topics in COMD; 8x99 Dissertation. In addition, six credits outside the major in related fields (e.g. Psychology, Health and Human Performance, Bioengineering), one or more three-credit courses on advanced statistics, and a three-credit elective course on teaching are required.

Students will successfully complete an initial research project in the area of concentration that includes a written manuscript and an oral presentation of the project. Nearing the completion of the course work (typically after 4 full terms or about 40 credit hours), a Comprehensive Examination, the format of which will be determined by the student's committee, must be successfully passed before commencing dissertation work and admission to candidacy for the doctoral degree.

Both full time and part-time students will be accepted into the program. Full-time enrollment constitutes 9 credit hours per term, and students taking 6 or fewer credit hours are considered part-time. Students can complete the program as part-time as long as their plan of study fits within the 10-year timeframe allowed by the university.

In accordance with UH policies, up to 9 credits of graduate coursework may be transferred from other accredited institutions and counted towards the minimum hours required to complete the program, subject to the approval of the primary mentor and the University of Houston.



Academic Policies

University of Houston Academic Policies

Academic Policies: College of Liberal Arts and Social Sciences

Department Academic Policies

Two grades of C or lower during the course of the graduate program are grounds for automatic dismissal. The PhD degree is expected to be completed by students within four-five years after admission to graduate school. The maximum expected time allowed for the completion of the PhD degree after admission is six years unless an exception has been granted. A satisfactory rate of progress toward completion of the degree requirements is required throughout enrollment. The department may terminate a student's enrollment at any time if the rate of progress or academic performance is not satisfactory.

Department of Comparative Cultural Studies

Master

Anthropology, MA

The Anthropology program in the Department of Comparative Cultural Studies offers a Master of Arts that allows concentration within the Cultural Anthropology, Archaeological Anthropology, and Biological Anthropology subdisciplines, according to the student's interests. Anthropology is a holistic discipline studying humans past and present and teaches students how to navigate our multicultural world and add to the knowledge of humanity today and in the past. The typical student that pursues this degree has an interest in doing research in prehistoric or historic populations or in working in contemporary agencies and businesses who need expertise in multicultural situations. Our graduates typically enter a PhD program for further study, teach in community colleges, or work as applied anthropologists in a variety of fields.

Please see: <http://www.uh.edu/class/ccs/anthropology/graduate/>.

Admission Requirements

An applicant should have completed a Bachelor of Arts or Bachelor of Science degree, preferably with a social science background but many majors are acceptable. An anthropology undergraduate major is not required, but the student should have a GPA of 3.0 out of 4.0 in the last 60 hours of the undergraduate degree. Anthropology can usefully be added to many career paths because of its broad subject area. The applicant should submit an official transcript with degree posted, three letters of recommendation, a writing sample, and GRE test scores, plus a \$50 application fee for domestic applicants/\$125 for international applicants. Information on additional requirements for international applicants can be found on the Graduate School website.

The GRE requirement is waived for applicants to the MA program who have at least one of the following from an institution accredited by one of the six regional accrediting associations as specified in the UH Minimum Qualifications for Admission to Masters and Doctoral Programs (General Admission Policy):

an overall undergraduate grade point average of 3.00 or higher (on a 4-point scale), or
a master's or terminal degree.

Degree Requirements



Credit hours required for this degree: 36.0 (30 credit hours and six credit hours of master's thesis)

Required Courses (15.0 credit hours)

- ANTH 6300 - Foundations of Anthropological Theory **Credit Hours: 3.0**
- ANTH 6310 - Anthropological Research Design **Credit Hours: 3.0**
- ANTH 6325 - Computer-Based Data Analysis in Anthropology **Credit Hours: 3.00**
- ANTH 6399 - Masters Thesis **Credit Hours: 3**
- ANTH 7399 - Masters Thesis **Credit Hours: 3**

Subdiscipline Option (6.0 credit hours)

It is expected that students will concentrate on one of the subdisciplines of Anthropology that are offered by the graduate faculty. Complete six credit hours from one of the following three lists:

Cultural Anthropology

- ANTH 6311 - Issues and Debates in Social/Cultural Theory **Credit Hours: 3.0**
- ANTH 6315 - Sem-Ethnographic Anlys **Credit Hours: 3.0**
- ANTH 6322 - Seminar in Medical Anth **Credit Hours: 3.0**
- ANTH 6330 - Applied Anthropology **Credit Hours: 3.0**

Archaeology/Bioarchaeology

- ANTH 6312 - Proseminar-Physical Ant **Credit Hours: 3.0**
- ANTH 6313 - Sem Archaeo Mthds/Thry **Credit Hours: 3.0**

Physical (Biological) Anthropology

- ANTH 6312 - Proseminar-Physical Ant **Credit Hours: 3.0**
- ANTH 6322 - Seminar in Medical Anth **Credit Hours: 3.0**

Elective Course Options (15.0 credit hours)

The remaining 15.0 credit hours can be taken as electives from other graduate-level courses offered in anthropology. Six credit hours can be taken outside the department, if approved by the graduate advisor and relevant to the student's thesis research. These may include courses in Biology, Geographic Information Systems, Sociology, and graduate anthropology courses at Rice University that do not have equivalents in our program. For information on requesting permission to take courses at Rice, visit Inter-Institutional Agreement.

Besides course work, students must pass a three-part comprehensive exam based on anthropological theory and two of the subdiscipline courses listed above. This comprehensive examination is given in Fall and Spring in the 5th week and involves a three-hour period to answer a question posed by the graduate faculty.

Academic Policies

University of Houston Academic Policies



Department of Economics

Master

Applied Economics, MA

Liberal Arts & Social Sciences > Department of Economics > Applied Economics, MA

The department offers a program of study leading to the Master of Arts degree in Applied Economics. The Master of Arts in Applied Economics degree is offered under two 30-hour plans; an internship option or an applied project option. Students of this program will be trained in microeconomics, macroeconomics, econometrics and time-series data analysis. In addition, these general skills will be applied to the areas of health, financial, and energy economics for more focused training. While it is not necessary to possess an undergraduate degree in economics, applicants must have completed intermediate level courses in microeconomics and macroeconomics as well as an introduction to regression analysis course during their undergraduate careers. This 12-month master's degree program allows you to obtain valuable economic and data analysis skills for careers in business and government.

Please visit the following website for more information: <http://www.uh.edu/class/economics/graduate/master/>.

Admission Requirements

Admission to the program is competitive. To be considered for admission, each applicant should meet the following pre-requisites:

- Awarded a baccalaureate degree from an accredited institution

- Maintained at least a 3.0 GPA in the most recent 60 semester hours of undergraduate course work attempted

- Have completed the following pre-requisite courses (or equivalents):

 - Intermediate Microeconomics (UH ECON 3332)

 - Intermediate Macroeconomics (UH ECON 3334)

 - Introduction to Econometrics (a regression analysis course) (UH ECON 3370)

 - Calculus I or Calculus for Business and Social Science (UH MATH 1431 or 1314)

- All applicants with a minimum undergraduate GPA of 3.4 and who have graduated from an accredited US institution within three years preceding the term for which they are applying are not required to submit GRE scores. Applicants who do not meet the requirements for this waiver must have taken the Graduate Record Examination (GRE) with a preferred total score of 300 (Verbal & Quantitative combined)

 - There is no formal minimum requirement to be considered for admission. However, successful applicants have typically scored a minimum of 150 on the quantitative section & at least 3.5 on the writing portion.

All applicants must submit official transcripts from all institutions attended, GRE scores (if not waived), a personal statement, three letters of recommendation, and a current resume or CV. TOEFL or IELTS is required of students whose country's official native language is not English. In addition, the university requires submission of an application fee. Detailed information regarding these fees may be found here: <http://www.uh.edu/financial/graduate/tuition-fees/college-fees/>.

The department only accepts applications for the MA in Applied Economics for the Fall semester. The department does not admit new students in the spring or summer sessions. The department will begin reviewing completed application packages in mid-February with a final application deadline of May 1. Applications which are received after mid-February through May 1 will continue to be reviewed on a rolling basis. Please be aware that space is limited. Submitting your application materials early will increase your chances of acceptance. No applications are accepted after May 1.



Degree Requirements

Credit hours required for this degree: 30.0

The MA in Applied Economics is designed to be completed within one calendar year. The program begins in the fall semester. Coursework continues through the subsequent spring semester and is completed with an applied project course or internship hours in the following summer. All students are expected to enroll in six (6) hours in the final summer term and must be present to attend applied project class meetings or work in an internship job they have obtained. In some cases, students may complete the program with a thesis (in lieu of internship or project hours), but this option requires committee approval by the middle of the spring term. Students interested in this option must notify the director of the program by the beginning of the spring term. In addition, the thesis option generally requires an additional semester of enrollment. Any student who is approved for this option should expect to graduate in December.

Program Requirements

There are 2 plans under which graduate students can earn a Master of Arts in Applied Economics: MA Plan I: 24 hours of coursework and 6 hours of an approved internship [ECON 6691]; MA Plan II: 24 hours of coursework and 6 hours of approved applied project work [ECON 6693]. Elective courses vary but generally include ECON 6340 Health Economics, ECON 6345 Energy Economics, and ECON 6353 Capital Market Economics. Students may opt to take 3 semester hours of elective coursework outside of the department. Outside courses must be approved by the program director in advance. Students must maintain a cumulative grade point average of 3.00 or above and satisfactorily complete a comprehensive examination. Required courses are listed below.

Core Economics

ECON 6475 - Macroeconomic Analysis **Credit Hours: 4**

ECON 6485 - Microeconomic Analysis **Credit Hours: 4**

Statistical Techniques

ECON 6351 - Economic Forecasting **Credit Hours: 3.0**

ECON 6465 - Econometrics **Credit Hours: 4**

Applied Economics

ECON 6345 - Energy Economics **Credit Hours: 3.0**

ECON 6353 - Capital Market Economics **Credit Hours: 3.0**

ECON 6340 - Health Economics **Credit Hours: 3.0**

or approved substitutes

Internship or Thesis

ECON 6691 - Master's Internship **Credit Hours: 6.0 or**

ECON 6693 - Master's Research Project **Credit Hours: 6**

Academic Policies

University of Houston Academic Policies

Academic Policies: College of Liberal Arts and Social Sciences



Doctoral

Economics, PhD

College of Liberal Arts and Social Sciences > Department of Economics > Economics, PhD

The Department of Economics offers a program leading to the Ph.D. degree in Economics designed to provide students rigorous training in economic theory and quantitative skills as well as an intensive exposure to several specialized areas of Economics. Ph.D. training provides skills needed in academic, government, or business careers.

For more information, please visit the [Doctoral Program In Economics](#) page.

Admission Requirements

A degree in Economics is not required to apply for the Economics Ph.D. program. Neither is a masters degree.

Mathematical preparation is a significant factor in the faculty's decision to admit students and is a crucial factor in student success. The department recommends the following courses (or the equivalent material be mastered) prior to enrolling. The courses are listed in order of importance.

Calculus I, II, and III (MATH 1431, 1432, 2433)
Linear Algebra (MATH 2331)
Probability (MATH 3338) and Statistics (MATH 3339)
Differential equations (MATH 3331)
Introduction to Real Analysis (MATH 4331)

The following are required to apply to this program:

Official transcripts from all schools attended.
A personal statement and resume - The PS counts as your writing sample as well and should be no longer than 2 pages.
Letters of recommendation from 3 faculty members - at least one from your most recent institution.
Application fee - \$50 domestic applications; \$125 international applicants
Additional requirements for international applicants can be found on the [International Graduate Students](#) page.

Degree Requirements

Credit hours required for this degree: 90.0

Grade point average in graduate classes of at least 3.0 (4.0 = A)
Successful completion of the comprehensive exams at the Ph.D. level
Successful completion of a 2nd-year project
Successful completion of the 3rd-year paper
Successful completion of end of year presentations in May of the 3rd year, December of the 4th year, and May of the 4th year
Successful completion and defense of the dissertation

Coursework

48 hours of coursework composed of the following:



Core courses (21 hours)

ECON 7341 - Microeconomic Theory I **Credit Hours: 3.0**
ECON 7342 - Microeconomic Theory II **Credit Hours: 3.0**
ECON 7343 - Macroeconomic Theory I **Credit Hours: 3.0**
ECON 7344 - Macroeconomic Theory II **Credit Hours: 3.0**
ECON 7330 - Quantitative Economic Analysis **Credit Hours: 3.0**
ECON 7331 - Econometrics I **Credit Hours: 3.0**
ECON 8331 - Econometrics II **Credit Hours: 3.0**

Electives (27 hours) subject to the following restrictions

6 hours maximum in ECON 7390 - Research & Readings - Economic **Credit Hours: 3.0**

6 hours maximum in courses taken outside the department

Additional hours outside the department or in independent study may be allowed subject to the discretion of the Graduate Director.

Workshops

18 hours of workshops:

ECON 8361 - Workshop Research Methods III **Credit Hours: 3.0** is required both semesters of the third year. All 3rd-year students enroll in the same section of this course.

ECON 8362 - Workshop Research Methods IV **Credit Hours: 3.0 AND**

ECON 8363 - Workshop in Research Methods V **Credit Hours: 3.0** are required in both semesters of the 4th- and 5th-year, respectively.

Sections of these workshops vary by subject matter.

Seminars

12 hours in seminars:

ECON 7301 - Seminar in Microeconomic Research **Credit Hours: 3.0**

ECON 7302 - Seminar in Macroeconomic Research **Credit Hours: 3.0**

Seminar enrollment is required in every semester beginning in the fourth year and continuing until the Ph.D. is awarded

Students may substitute an elective course for a seminar

Dissertation

12 hours in dissertation:

ECON 8399 - Doctoral Dissertation **Credit Hours: 3**

M.A. Requirements

For students who decide to leave the program before fulfilling the Ph.D., or do not fulfill the requirements to continue in the Ph.D. program, an M.A. degree will be awarded upon the completion of the following requirements.

Grade point average in graduate courses of at least 3.0 (4.0 = A).

Successful completion of the comprehensive exams at the M.A. level.

Doctoral research hours do not count toward the 36 hours of course work.



Coursework

36 hours of course work composed of the following:

Core courses (21 hours)

- ECON 7341 - Microeconomic Theory I **Credit Hours: 3.0**
- ECON 7342 - Microeconomic Theory II **Credit Hours: 3.0**
- ECON 7343 - Macroeconomic Theory I **Credit Hours: 3.0**
- ECON 7344 - Macroeconomic Theory II **Credit Hours: 3.0**
- ECON 7330 - Quantitative Economic Analysis **Credit Hours: 3.0**
- ECON 7331 - Econometrics I **Credit Hours: 3.0**
- ECON 8331 - Econometrics II **Credit Hours: 3.0**

Electives (15 hours) subject to the following restrictions

3 hours maximum in ECON 7390 - Research & Readings - Economic **Credit Hours: 3.0**

3 hours maximum in courses taken outside the department

Additional hours outside the department or in independent study may be allowed subject to the discretion of the Graduate Director.

The Economics department allows a maximum of 6 hours to be transferred from graduate courses taken at other schools toward an M.A. in Economics. The graduate director will determine the transferability of credits. The university allows more credits to be transferred toward a Ph.D. at the discretion of the graduate director.

The department encourages students who have received their M.A. elsewhere to enroll in the Ph.D. program. If a student has an M.A. in Economics from another university, equivalent courses may be waived and credit transferred toward a Ph.D. However, the doctoral transfer student must still receive a grade of "Ph.D. Pass" on both parts of the theory examination administered by the University of Houston Economics Department.

Transfer students who have successfully completed first-year courses at another Ph.D. program are allowed to take the theory examinations in the summer prior to their enrollment at the University of Houston. If they receive a "Ph.D. Pass" grade on an examination (micro or macro) they do not have to complete the first-year course in that area. This attempt at the theory examinations does not count towards their two formal attempts.

Academic Policies

OUTLINE OF PROGRAM

	FALL SEMESTER	SPRING SEMESTER	SUMMER
1 ST YEAR	ECON 7341 - Microeconomic Theory I	ECON 7342 - Microeconomic Theory II	COMPREHENSIVE EXAMS
	ECON 7343 - Macroeconomic Theory I	ECON 7344 - Macroeconomic Theory II	
	ECON 7330 - Quantitative Economic Analysis	ECON 7331 - Econometrics I	
2 ND YEAR	ECON 8331 - Econometrics II	ELECTIVE	2 ND YEAR PROJECT
	ELECTIVE	ELECTIVE	



	ELECTIVE	ELECTIVE	
3RD YEAR	ECON 8361 - Workshop Research Methods III	ECON 8361 - Workshop Research Methods III	DISSERTATION RESEARCH
	ELECTIVE	ELECTIVE	
	ELECTIVE	ELECTIVE	
		3 RD YEAR PAPER DUE IN MAY	
4TH YEAR	ECON 8362 - Workshop Research Methods IV	ECON 8362 - Workshop Research Methods IV	DISSERTATION RESEARCH
	ECON 7301 - Seminar in Microeconomic Research/ECON 7302 - Seminar in Macroeconomic Research	ECON 7301 - Seminar in Microeconomic Research/ECON 7302 - Seminar in Macroeconomic Research	
	ECON 8399 - Doctoral Dissertation	ECON 8399 - Doctoral Dissertation	
	PRESENTATION IN DECEMBER	PRESENTATION IN MAY	
5TH YEAR	ECON 8363 - Workshop in Research Methods V	ECON 8363 - Workshop in Research Methods V	
	ECON 7301 - Seminar in Microeconomic Research/ECON 7302 - Seminar in Macroeconomic Research	ECON 7301 - Seminar in Microeconomic Research/ECON 7302 - Seminar in Macroeconomic Research	
	ECON 8399 - Doctoral Dissertation	ECON 8399 - Doctoral Dissertation	
		THESIS DEFENSE	

COURSE LOAD

All graduate students receiving financial aid from the department are required to enroll in nine hours each semester during the regular academic year and six hours in the summer (if they are funded for the summer).

Full-time graduate students not receiving financial aid must enroll in a minimum of 9 hours each semester during the regular academic year.

COMPREHENSIVE EXAMINATIONS

Written examinations in micro and macro theory are required after the completion of the second regular semester of full-time course work. The first set of exams are given late May or early June. Each exam is graded anonymously according to the following scale:

"Superior". The student demonstrates mastery of the material examined.

"Good". The student demonstrates understanding of the material examined, but there are some deficiencies.



"Poor". The student demonstrates significant deficiencies in their understanding of the material examined.

"Fail". The student does not take the test or demonstrates no understanding of the material examined.

Following the first set of exams, the Graduate Committee, acting on recommendations from the Graduate Director, will make a determination of each student's status as follows:

If the student achieves a Superior on all exams, the student has completed the comprehensive exam requirement at the Ph.D. level.

If the student has not achieved a Superior on all exams, the Graduate Committee may determine that the student's totality of work, including grades, is sufficient to warrant advancement and the student has completed the comprehensive exam requirement at the Ph.D. level.

If the student has not achieved a Superior on all exams, and the Graduate Committee does not feel the student's body of work warrants advancement, it will inform the student of which individual exams must be retaken in order to advance.

A second set of examinations are given in the week before classes begin in August. These exams are graded on the same scale as above. Following the second set of exams, the Graduate Committee, acting on recommendations from the Graduate Director, will make a final determination of each student's status as follows:

If the student has, accounting for both sets of exams, achieved a Superior on all exams, the student has completed the comprehensive exam requirement at the Ph.D. level.

If the student has not achieved a Superior on all exams, the Graduate Committee may determine that the student's totality of work, including grades, is sufficient to warrant advancement and the student has completed the comprehensive exam requirement at the Ph.D. level.

If the student has not achieved a Superior on all exams, and the Graduate Committee does not feel the student's body of work warrants advancement to Ph.D. candidacy but did show sufficient understanding, it will inform the student that they have completed the comprehensive exam requirement at the MA level. The student is allowed to continue taking courses in their second year and can receive the MA degree if they fulfill the remaining requirements.

If the student does not fall into any of the first three categories, then the student has not completed the comprehensive exam requirement at either Ph.D. or MA level, and will not be awarded a degree.

No further attempts at the examinations are allowed after August following the first year of study at UH.

2nd YEAR PROJECT

By the end of May following their 2nd year, each student must have a written project proposal signed by a faculty advisor who has agreed to oversee the project. The proposal should be created in collaboration with the faculty advisor and specifies the required work to be completed over the summer following the 2nd year. The exact nature of this work is up to the faculty advisor and student, and could include, but is not limited to, the following: a detailed presentation of core papers in a given field, replication of an existing empirical or quantitative paper, collection of new data, or a paper based on an original idea.

The project is due prior to the first day of classes in August following the student's 2nd year of study. The project will be evaluated by the faculty advisor, who will inform the Graduate Director if the student has successfully completed the project.

If the Graduate Committee, acting on the recommendation of the faculty advisor and Graduate Director, deems the project satisfactory, the student is admitted to Ph.D. candidacy. If the paper is not satisfactory, the Graduate Committee may, at their discretion, issue a "revise and resubmit" to the student. In this case, the student has until the last day of classes of the fall semester of their 3rd year to complete a new version of the project. If the Graduate Committee, acting again on the recommendation of the advisor and Graduate Director, find the new version satisfactory, the student will be admitted to Ph.D. candidacy. If the Graduate Committee, either at the initial submission in August, or at the revised submission, decide that the project is not satisfactory, then the student will not be admitted to Ph.D. candidacy but can complete their 3rd-year courses and remain eligible to graduate with the MA degree.

3rd YEAR PAPER



This paper is due by May 15th following the student's 3rd year of study. The paper will be evaluated by a reading committee of three faculty members selected by the student and approved by the Graduate Director. The 3rd year paper must be original research done by the student on a topic of their choice.

If the Graduate Committee, acting on the recommendation of the reading committee, deems the paper satisfactory, the student is allowed to continue as a Ph.D. candidate. If the paper is not satisfactory, the Graduate Committee may, at its own discretion, issue a "revise and resubmit" to the student. In this case, the student has until the first day of class in August of that year to complete a new version of the paper. That paper will be evaluated by September 10th. If that new version is satisfactory to the Graduate Committee, the student will be allowed to continue in the program.

If the paper is deemed unsatisfactory at either the initial submission in May or at the revised submission in August, the student may remain in classes for their 4th year and is eligible to graduate with the MA.

3rd AND 4th YEAR PRESENTATIONS

Shortly after the end of classes in May of the 3rd year, and both December and May of the 4th year, students will be expected to give a presentation of their current research in progress to the entire faculty. The time allotted for the presentations will be set by the Graduate Director.

DISSERTATION DEFENSE

The dissertation will be supervised by a committee agreed upon by the student, the primary faculty dissertation advisor, and the graduate director. The committee must include one member from outside the department. The committee is typically composed of the primary faculty advisor (committee chair), two other faculty advisors from the department, and the member from outside the department. The Ph.D. degree is awarded when the student has successfully defended the dissertation before the graduate faculty of the department and turned in the completed dissertation to the appropriate university office.

CHANGE IN REQUIREMENTS

Students may petition the graduate director for permission to deviate from particular program requirements. Such petitions must be in writing and should include a justification for the proposed change.

TRANSFER STUDENTS

The Economics department allows a maximum of 6 hours to be transferred from graduate courses taken at other schools toward an M.A. in Economics. The graduate director will determine the transferability of credits. The university allows more credits to be transferred toward a Ph.D. at the discretion of the graduate director.

The department encourages students who have received their M.A. elsewhere to enroll in the Ph.D. program. If a student has an M.A. in Economics from another university, equivalent courses may be waived and credit transferred toward a Ph.D. However, the doctoral transfer student must still receive a grade of "Ph.D. Pass" on both parts of the theory examination administered by the University of Houston Economics Department.

Transfer students who have successfully completed first-year courses at another Ph.D. program are allowed to take the theory examinations in the summer prior to their enrollment at the University of Houston. If they receive a "Ph.D. Pass" grade on an examination (micro or macro) they do not have to complete the first-year course in that area. This attempt at the theory examinations does not count towards their two formal attempts.



OFFICE SPACE AND FACILITIES

The Department provides most funded graduate students with office space for study and interaction with other students. The department also runs a fully equipped graduate student computer lab with state-of-the-art personal computers and software.

FINANCIAL AID

The department offers several assistantships for academic support, research, or teaching in the first year. These positions pay a monthly stipend and allow tuition to be waived and fees to be paid at in-state rates. These stipends cover the 9-month school year and very often some or all of the summer months. Summer support, however, is not guaranteed. All financial support is allocated by the department graduate director and is contingent upon available funding.

In return for financial support, and as part of graduate training in economics, graduate assistants help with instruction and research. Compensation is directly related to hours of work and level of responsibility. Teaching assistants work 20 hours per week supporting faculty teaching and research. Teaching fellows teach a section of introductory economics. All assistantships are awarded on a competitive basis under the following guidelines:

Entering Students. Only students with outstanding transcripts, GRE scores, and other favorable credentials are offered aid in the first year. The Graduate Committee allocates these assistantships. Supplemental funding is also available, on a competitive basis, from the Office of Graduate and Professional Studies.

Second through Fifth Year. Any full-time student on financial aid making satisfactory progress in the program is assured partial aid in the second through the fourth year.

A student who was awarded aid in the first year will receive aid in the second year if the student has taken the theory exams and maintained a 3.0 grade point average. Students who receive a superior on the theory examination and maintain good progress will receive financial aid in their third and fourth years. Aid in the fifth year is provided if the candidate is making good progress on the dissertation.

Only senior graduate students with the requisite academic performance and communication skills are assigned as teaching fellows.

Responsibilities and Progress. Students are expected to perform their research and teaching responsibilities in a professional manner. Poor performance can result in the loss of financial aid.

Department Academic Policies

Academic Policies: College of Liberal Arts and Social Sciences

University of Houston Academic Policies

Dual Degree - Graduate

Applied Economics, MA/Public Policy, MPP

The Department of Economics, College of Liberal Arts and Social Sciences (CLASS), and Hobby School of Public Affairs offer a graduate dual degree in MA Applied Economics (MAAE) and Master of Public Policy (MPP) to prepare students for careers in public policy. This program combines theoretical and analytical framework for designing/evaluating public policies offered by the MAAE with theories/strategies to develop public policies and understand political processes through which policies are implemented offered by the MPP. Through this dual program, students earn both an MA and MPP with fewer semester hours than it would take to earn each degree independently.



Admission Requirements

Participation in the dual MA Applied Economics/MPP program requires separate applications to and acceptance by each of the participating schools within a calendar year. Applicants must meet admission requirements of both programs. Admission to one has no official bearing on admission to the other.

Visit each program's website for more information regarding pre-requisite courses and other admission requirements:

MA Applied Economics Program
MPP Program

Degree Requirements

The dual MAAE/MPP program requires a minimum of 57 semester hours. The curriculum for the program requires students to complete core courses in both economics and public policy; electives courses in both areas; and internships and/or a project. This is a non-thesis program. Students should consult with program advisors for information regarding core and elective courses.

Visit each program's website for more information about each degree:

MA Applied Economics Program
MPP Program

Academic Policies

University of Houston Academic Policies
Academic Policies: College of Liberal Arts and Social Sciences

Department of English

Master

Creative Writing, MFA

Admission Requirements

In addition to meeting the college graduate admission requirements, applicants to the MFA in Creative Writing program must meet the following minimum requirements for admission to the program and for the degree:

The applicant should have completed 12 hours of advanced English with an average of 3.0 or better grade point average.

The applicant should have two years of college-level study in one foreign language or otherwise demonstrate, with a passing score on the GSFLT, a reading knowledge of a foreign language.

Three letters of recommendation.

Submission of a manuscript consisting of a maximum of 10 pages of poetry or 20-25 pages of fiction.

A statement of intent (1,000 or fewer words): reasons for pursuing graduate study in creative writing, which writers in the applicant's genre the applicant is reading, and comments on those writers.



On a separate sheet of paper, list awards and publications of the applicant.

Two official copies of transcripts from each school attended.

The GRE Advanced Subject (Code 64) score is not required for MFA applicants.

GRE Waiver Option - The GRE requirement is optional for all applicants (both international and domestic) applying to any UH English graduate programs (MA, MFA, PhDs) who have at least one of the following:

- an overall undergraduate or graduate grade point average of 3.00 or higher (on a 4- point scale) from an institution accredited by one of the six regional accrediting associations as specified in the UH Minimum Qualifications for Admission to Masters and Doctoral Programs (General Admission Policy), or
- a grade point average in the top 80% on other GPA scales and a combined IELTS score above 7 or TOEFL score above 79 or a DUOLINGO score above 105.

Consult the Creative Writing Program for additional information and more specific requirements.

Degree Requirements

Students must complete a minimum of 36 hours of approved graduate courses. these courses must be distributed over creative writing workshops and courses in literary studies. Specific requirements are as follows:

15 hours in creative writing, including 9 hours in the primary genre, 3 hours of Master Workshop, and 3 hours of Poetic Forms and Techniques for poetry students, Fiction Forms and Techniques for fiction students, or Nonfiction Forms and Techniques for nonfiction students. Students are strongly encouraged to take the course in Forms and Techniques early in the MFA program.

3 hours of Writers on Literature

12 hours in English or American literature or other literary studies (Students should divide their courses between early and later literatures. Early British literature is defined as British literature before 1800 and early American literature is defined as American literature before 1865.)

6 hours of elective courses (literature or other literary studies, workshop in the primary genre, workshop in a crossover genre, Writers on Literature, or coursework in another department that complements the student's program). In addition, MFA students must complete a creative thesis for 6 credit hours.

In addition, MFA students must complete a creative thesis for 6 credit hours.

English, MA

Admission Requirements

In addition to meeting college's graduate admission requirements, applicants must fulfill the following minimum requirements:

A minimum of 18 term hours in literature, writing, or linguistics at the undergraduate or post-baccalaureate level, at least 12 hours of which must be upper-division or above, with at least a 3.00 (A=4.00) grade point average.

A minimum of 12 term hours of a single foreign language or a demonstration of a reading knowledge of a single foreign language.

A statement of intent (500 words minimum) and a critical writing sample.

Three letters of recommendation, at least two of which must be from persons familiar with the applicant's academic work.

Two official transcripts of all previous university work.

GRE General Aptitude score and, except for Applied English Linguistics applicants, GRE Advanced Subject (Code 64) score.

GRE Waiver Option - The GRE requirement is optional for all applicants (both international and domestic) applying to any UH English graduate programs (MA, MFA, PhDs) who have at least one of the following:

- an overall undergraduate or graduate grade point average of 3.00 or higher (on a 4- point scale) from an institution accredited by one of the six regional accrediting associations as specified in the UH Minimum Qualifications for Admission to Masters and Doctoral Programs (General Admission Policy), or



a grade point average in the top 80% on other GPA scales and a combined IELTS score above 7 or TOEFL score above 79 or a DUOLINGO score above 105.

Consult the Department of English graduate office for additional information and more specific requirements.

Conditional admission may be granted to students whose overall grade point average on the last 60 hours of course credit is at least 2.67 (A=4.00), whose grade point average in the discipline is at least 3.00, and whose scores on the Graduate Record Examination are high enough to indicate probable success in the graduate program.

Degree Requirements

Credit hours required for this degree: 30.0

Students must complete a minimum of 30 term hours of graduate coursework in English. The program requires that coursework be distributed over the historical periods in English and American literature, bibliography and research methods, literary theory, and rhetoric. Specific requirements are as follows:

Core Courses

12.0 Credit Hours

- 3 hours of Research Methods
- 3 hours of Linguistics
- 3 hours of Literature
- 3 hours of Rhetoric, Composition, and Pedagogy

Elective Courses

12.0 Credit Hours

- 12 hours of elective courses to be chosen by the student

Capstone Experience

6.0 Credit Hours

These will be determined in consultation with a faculty advisor and the Director of Graduate Studies.

- ENGL 7399 - Essay **Credit Hours: 3** *can repeat one time for credit*
- ENGL 7369 - Introduction to Postcolonial Studies **Credit Hours: 3.0**
- ENGL 7396 - Topics in Language & Literature **Credit Hours: 3.0**
(*e.g., London or Washington DC for research at the British Library or Library of Congress*)

Academic Policies

- University of Houston Academic Policies
- Academic Policies: College of Liberal Arts and Social Sciences



Doctoral

Creative Writing and Literature, PhD

Building on excellence in creative writing and a record of excellence in the student's MA preparation in the broad range of English and American literature or MFA preparation in creative writing and literature, the PhD student in literature and creative writing should work toward increased sophistication as a writer/scholar. The PhD student should also continue to strengthen and deepen an understanding of three areas of expertise: his/her specific genre, including the history of the genre and contemporary theoretical approaches to the genre; a historical period, rhetoric or literary theory; and a specific individualized area of inquiry. The career of a PhD student should be marked by increasing independence in his/her creative writing and in thinking and writing about literature and/or literary theory. Working toward these objectives advances the student's competence in writing the creative dissertation. The PhD in Literature and Creative Writing constitutes solid preparation for creative publication, scholarly publication, and expert undergraduate and graduate teaching.

For more information, please see the PhD in Literature and Creative Writing program page.

Admission Requirements

- MA in English or MFA in creative writing
- 3.5 GPA in graduate studies
- Scores from the GRE General Test
- One foreign language (which may be completed while in residence for the PhD)

Application Materials

In addition to completing the online application, the following documents are required:

Copies of official transcripts with degree(s) posted by each of the colleges and/or universities you have attended in the past - posted to online application.

Official transcripts (sealed in the issuing envelope) from every institution of higher education attended. Official transcripts should be sent directly to:

UH Graduate Admissions Office
University of Houston, Graduate Admissions
P.O. Box 3947
Houston, TX 77253-3947

Three (3) letters of recommendation* from teachers or professionals familiar with your writing and academic skills. Letters will be solicited by the UH Admissions Office electronically.

Official GRE test scores. Official ETS copy of the report is required and should be sent to the University of Houston - Main Campus [institution code 6870]. No department code is needed and indicating one will slow down the application process. Note: Scores take 4 - 6 weeks to reach the university for official verification. Please plan your test date accordingly. Applicants without GRE scores will not be offered admission.

GRE Waiver Option - The GRE requirement is optional for all applicants (both international and domestic) applying to any UH English graduate programs (MA, MFA, PhDs) who have at least one of the following:

- an overall undergraduate or graduate grade point average of 3.00 or higher (on a 4- point scale) from an institution accredited by one of the six regional accrediting associations as specified in the UH Minimum Qualifications for Admission to Masters and Doctoral Programs (General Admission Policy), or
- a grade point average in the top 80% on other GPA scales and a combined IELTS score above 7 or TOEFL score above 79 or a DUOLINGO score above 105.



An original creative manuscript (maximum 10 pages of poetry or 20 - 25 pages of fiction). Fiction manuscripts should be double-spaced, on numbered, single-sided pages: poetry can be single-spaced and formatted as desired. Note: Submitting more than the recommended amount is strongly discouraged and could adversely affect the evaluation process.

A critical manuscript. Provide a scholarly paper written for a literature course.

A personal statement. In 1,000 words or less, state why you wish to pursue graduate study in creative writing: which writers in your genre you are reading and their import to you and your work: and whether you have taught before and intend to pursue teaching as a career.

(Please note: You may apply in more than one genre, but in order to do so you must send separate application packets and application fees for each genre. The applications will be reviewed by different faculty members for each genre.)

*If you are submitting letters of recommendation through a dossier service such as Interfolio, you may leave the recommendation section of the application blank. Letters of recommendation submitted through dossier service should be sent to cwp@uh.edu.

Degree Requirements

Credit hours required for this degree: 45.0

Foreign language

Students must demonstrate reading knowledge of two foreign languages or intensive knowledge of one foreign language.

Two written comprehensive examinations (one a general exam, one a specialized sub field)

One oral comprehensive examination

Dissertation

Distribution of Coursework

3 hours of Introduction to Doctoral Studies in English

3 hours of bibliography, literary theory, or rhetoric. If students have taken a course in one of these areas for the MA, this requirement will be waived, allowing the student an additional 3 hours of elective course work (but not a reduction in the total hours required).

24 hours of literature, including:

either History of Poetry and Poetics or History of Narrative and Narrative Theory

9 hours in early literature (British literature before 1800 and American literature before 1865)

6 hours in later literature

6 hours of elective courses, each contributing to the student's areas of expertise.

Students should select each of these courses in consultation with the graduate advisor and his/her faculty mentors.

3 hours of Writers on Literature

12 hours of creative writing workshops, including 1 Master Workshop in student's program

Academic Policies

University of Houston Academic Policies

College Academic Policies

Departmental Policies

English, PhD

Building on the broader study of an MA degree, the PhD degree in literature features deeper, more sophisticated scholarship.

PhD students craft a program that focuses on three distinct but related fields of expertise:



- A historical period;
- A related historical period, literary theory, or rhetoric
- An area of inquiry specific to your interests and eventual dissertation

The pursuit of PhD study is marked by increasing independence in thinking, writing, and research. The degree offers solid preparation for scholarly publication and expert undergraduate and graduate teaching as well as related cultural professions.

For more information please see Literature, Literature (concentration in RCP)

Admissions Requirements

- MA in English or MFA in creative writing
- 3.5 GPA in graduate studies
- Scores from the GRE General Test
- One foreign language (which may be completed while in residence for the PhD)

Application Materials

Consult the UH Graduate School for detailed instructions on how to submit your application electronically. The English Department requires the following materials:

- Online application and application fee.
- Three letters of recommendation from people who know your academic work well, usually former professors. Letters will be solicited by the UH Admissions Office and submitted electronically.
- Official academic transcripts (sealed in the issuing envelope) from every university or colleges you have attended. Official transcripts should be sent directly to the UH Graduate Admissions Office (University of Houston, Graduate Admissions, P.O. Box 3947, Houston, TX 77253-3947).
- Copies of official transcripts with degree(s) posted, uploaded to online application.
- Official scores for the GRE General Test. An official ETS copy of the report is required and should be to the University of Houston, Main Campus (institution code 6870). No department code is needed, and indicating one will slow down the application process. Note: Scores take 4-6 weeks to reach the university for official verification. Please plan your test date accordingly. Applicants without GRE scores will not be offered admission.

- GRE Waiver Option** - The GRE requirement is optional for all applicants (both international and domestic) applying to any UH English graduate programs (MA, MFA, PhDs) who have at least one of the following:
 - an overall undergraduate or graduate grade point average of 3.00 or higher (on a 4- point scale) from an institution accredited by one of the six regional accrediting associations as specified in the UH Minimum Qualifications for Admission to Masters and Doctoral Programs (General Admission Policy), or
 - a grade point average in the top 80% on other GPA scales and a combined IELTS score above 7 or TOEFL score above 79 or a DUOLINGO score above 105.

- Your Statement of Intent (300-600 words, double-spaced).
- A 15-25-page critical writing sample with bibliography, usually one of your strongest graduate papers.

Degree Requirements

36.0 Credit Hours of coursework (four semesters of full-time study) in this distribution

Literature



36.0 Credit Hours

3.0 Credit Hours of Introduction to Doctoral Studies in English (ENGL 7390).

6.0 Credit Hours of bibliography and research methods, literary theory, or rhetoric. If you have completed a course in any of these areas for the MA, this requirement will be waived, giving you three additional hours of electives (but not a reduction in the total hours required).

27.0 Credit Hours of literature, including 9.0 hours in early literature (divided among British literature before 1800 and American literature before 1865); 6.0 hours in later literature; 12.0 hours of elective courses that contribution to your area of expertise; these courses should be selected in consultation with the graduate advisor and your faculty mentors.

Foreign language: you must demonstrate reading knowledge of two foreign languages or intensive knowledge of one foreign language.

Two written examinations (one in a major field and one in a sub-disciplinary field) followed by an oral defense.

One oral examination of the dissertation prospectus.

Dissertation

Rhetoric, Composition and Pedagogy (RCP) Concentration

36.0 Credit Hours

3.0 Credit Hours of Introduction to Doctoral Studies in English (ENGL 7390)

9.0 Credit Hours of additional core courses: Critical Pedagogy (ENGL 7324), Research Seminar I: Scholarly Reading (ENGL 8318), Research Seminar II: Scholarly Writing (ENGL 8318).

6.0 Credit Hours of fusion courses designed to bridge the theory and practice of Rhetoric and Composition with literature (or accepted substitutions)

9.0 Credit Hours of literature courses.

9.0 Credit Hours of elective courses.

Foreign language: you must demonstrate reading knowledge of two foreign languages or intensive knowledge of one foreign language.

Two written examinations (one in a major field and one in a sub-disciplinary field) followed by an oral defense

One oral examination of the dissertation prospectus

Dissertation

Academic Policies

[University Academic Policies](#)

[College Academic Policies](#)

[Program Policies](#)

Graduate Certificate

Empire Studies, Certificate

Overview

This certificate program allows for the symbiotic development of rich, coordinated course offerings in areas (postcolonial literature and theory) that over the past several years have been in high demand across Literature and Creative Writing. It also offers a more integrated approach to the period- and genre-based courses in English or British literature which the department has always offered. Students going



through this program should emerge with a much more comprehensive sense of how the experience of empire changed over longer periods of time, and a far more concrete sense of how empire played out in a variety of authors, works, and genres spanning several centuries and across the globe. The certificate program would harness and consolidate energies that over the past several years have emerged organically among faculty and students.

To qualify for a Certificate in Empire Studies, Ph.D. students in the Department of English will complete twelve (12) hours of coursework in the field of empire and postcolonial studies.

Course Information

At least six (6) of these hours should be completed within the core course cycle of the specialty:

Represented By:

ENGL 7369 - Introduction to Postcolonial Studies **Credit Hours: 3.0**

ENGL 8386 - Topics in Postcolonial Studies **Credit Hours: 3.0**

AND

ENGL 7325 - The British Empire **Credit Hours: 3.0**

The remaining six hours may be completed either within these core courses or in other offerings designated by Empire Studies faculty as fitting within the disciplinary goals of the certificate program.

Poetry and Poetics, Certificate

College of Liberal Arts and Social Sciences > Department of English > Poetry and Poetics, Certificate

The purpose of this certificate is to provide a useful and marketable specialization in the disciplinary history and current theories of Poetry and Poetics. The English Department is already the home of The Poetics Group, which was formed in 2015 and is interested in poetry and poetics across a variety of theoretical, historical, and aesthetic registers. The Group generates a vital space for wide-ranging conversations (at once diverse and convergent) on the life of a poem, from its most closely observed prosodic elements to its capacity not only for bearing witness and responding to but participating in the business of living, along such dynamic lines as race, gender, economics, and ecological crisis.

For more information please see Department of English.

Admission Requirements

This certificate is open to admitted graduate students in the Department of English. Students interested in pursuing the certificate should contact their academic advisor for details on beginning the program.

Degree Requirements

The Poetry and Poetics Certificate will require a total of three course (9 hours) fulfilled through a combination of 2 core and 1 elective classes.

Required courses



Students must complete 6.0 credit hours from the list below:

- ENGL 7380 - History of Poetry and Poetics **Credit Hours: 3.0**
- ENGL 7396 - Topics in Language & Literature **Credit Hours: 3.0**
Topic(s)
Topics in Poetics

Elective courses

Students must complete 3.0 credit hours from the list below:

- ENGL 8376 - 19th C American Poetry **Credit Hours: 3.0**
- ENGL 8383 - African Amer Poetry/Dra **Credit Hours: 3.0**
- ENGL 8361 - Victorian Poetry **Credit Hours: 3.0**
- ENGL 8382 - Contemp Am Poetry **Credit Hours: 3.0**
- ENGL 7322 - Advncd Poetry Workshop **Credit Hours: 3.0** (major in Creative Writing only)
Other elective options can be approved by the Poetics Faculty director

Academic Policies

University Academic Policies

Department Academic Policies

Translation Studies, Certificate

Graduate Students who complete three graduate courses (9 credit hours) in Translation Studies will be awarded a Certificate in Translation Studies.

Students are required to take:

- ENGL 8390 - Literary Translation **Credit Hours: 3.0**
and then complete their requirements by taking:
 - ENGL 8388 - Topics in Literary Translation **Credit Hours: 3.0** (Take Twice)
OR
Take ENGL 8388 - Topics in Literary Translation
- AND**
ENGL 8389 - Advanced Projects in Translation **Credit Hours: 3.0**

Certificate Information

Graduate students could petition to substitute an appropriate graduate course from Modern and Classical Languages or Hispanic Studies for one of the three required courses.

A student seeking the certificate will produce a substantial translation under the direction of a faculty member. In this way, students who receive a certificate in Translation Studies will demonstrate knowledge in the theory and skill in the practice of literary translation.



Graduate students in the Departments of Hispanic Studies and Modern and Classical Languages would be eligible to work toward a certificate in Translation Studies. These students would fulfill the same requirements as graduate students in the Department of English.

Courses in translation studies are open to all graduate students, not only those who are working toward the Certificate in Translation Studies.

Department of Health and Human Performance

Master

Human Nutrition, MS

The nutrition program within the department of Health and Human Performance offers a fully online non-thesis Master of Science (MS) degree in Nutrition (36 credits). The MS in Nutrition at the University of Houston provides a comprehensive course of study to prepare advanced practitioners in clinical nutrition care of the patient and clinical management. Faculty experts provide instruction on evidence-based medical nutrition therapies, advanced physical assessment skills, development and evaluation of educational programs, and effective management skills for the clinical leader.

All students are required to enroll in practicum courses. Internship experiences may be substituted for course content.

The MS in Nutrition is designed to meet the needs of:

- Currently enrolled dietetic interns desiring a graduate degree.

- Students accepted into a dietetic internship desiring a graduate degree.

- Credentialed Registered Dietitians who have completed their supervised practice experience after 2008.

- Students desiring to advance their nutrition, health, wellness, and fitness knowledge

Graduates of the program will be prepared to work in advanced clinical settings as a practitioner, clinical management leader, or in other nutrition-related positions.

Please visit the Online Master of Science in Nutrition program page for more information.

Admission Requirements

Applicants must meet one of these requirements:

- Currently enrolled in a dietetic internship

- Accepted into a dietetic internship with a documented start date

- Credentialed as an RD in 2008 or later and completed a minimum of 1200 hours of supervised practice.

- Bachelor's degree in nutrition, dietetics, food science, food systems management, or other health career-related subjects.

Application Process:

- Completed University of Houston Graduate School application.

- Official GRE scores sent electronically to institution code 6870 - University of Houston, Main Campus

 - Competitive applicants typically score above the 30th percentile with at least 3.5 on the analytical writing section.

 - Applicants that have been accepted to dietetic internships or completed dietetic internship with partner programs may be exempt from submitting GRE scores



GRE Waiver Option - The GRE requirement is waived for applicants to the Master of Science in Human Nutrition who have graduated from a U.S. institution accredited by a regional accrediting association of higher education with an overall undergraduate grade point average of 3.00 or higher (on a 4-point scale).

Official transcripts from all prior institutions attended.

Major GPA of at least 3.0

A cumulative undergraduate GPA of 2.6 is required to be considered for graduate school at The University of Houston

Dietetic Internship/RD/Supervised practice: Applicants must meet one of these requirements:

Currently enrolled in a dietetic internship

Accepted into a dietetic internship with a documented start date

Credentialed as an RD in 2008 or later and completed a minimum of 1200 hours of supervised practice.

Portfolio

Current resume

Personal Statement

Three academic/professional letters of recommendation

Your recommenders will be contacted automatically and asked to evaluate you through an online system. They should be encouraged to provide comments and/or upload a signed letter as well.

ALL supporting materials, with the exception of official transcripts, should be uploaded through the online application system.

Official transcripts should be submitted to:

University of Houston

Graduate Admissions

P.O. Box 3947

Houston, Texas 77253-3947

Degree Requirements

Credit hours required for this degree: 36.0

The total credit hours for the Master of Science in Nutrition is 36 credits hours (24 core and 12 elective).

All students must:

successfully complete all CORE courses-24 credit hours

successfully complete either elective option A-Registered Dietitian/Nutritionist (12 credit hours) OR elective option B-Non-Registered Dietitian/Nutritionist (12 credit hours).

CORE Master of Science in Nutrition courses (24 credits)

NUTR 6301 - Clinical Aspects of Nutrition Support **Credit Hours: 3**

NUTR 6302 - Advanced Medical Nutrition Therapy **Credit Hours: 3.0**

NUTR 6303 - Nutrition Management and Leadership for the Clinical Professional **Credit Hours: 3.0**

NUTR 6304 - Advanced Nutrition Counseling and Education **Credit Hours: 3.0**

PEP 6305 - Measurmnt Hlt & Phys Educ **Credit Hours: 3.0**

NUTR 6314 - Gender and Culture Issues in Physical Activity and Fitness **Credit Hours: 3**

NUTR 6311 - Capstone I **Credit Hours: 3.0**

NUTR 6312 - Capstone II **Credit Hours: 3**

Elective option A. Registered Dietitian/Nutritionist (12 credits)



NUTR 6307 - Community Nutrition Practice **Credit Hours: 3.0**

NUTR 6308 - Clinical Nutrition Practice I **Credit Hours: 3.0**

NUTR 6309 - Clinical Nutrition Practice II **Credit Hours: 3**

Elective option B. Non-Registered Dietitian/Nutritionist (12 credits)

NUTR 6314 - Gender and Culture Issues in Physical Activity and Fitness **Credit Hours: 3**

NUTR 7313 - Urban Fitness **Credit Hours: 3**

NUTR 7315 - Advanced Nutrition for the Elderly **Credit Hours: 3.0**

NUTR 6316 - Advanced Diabetes Management and Education **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies

Academic Policies: College of Liberal Arts and Social Sciences

Master of Athletic Training, MAT

College of Liberal Arts and Social Sciences > Department of Health and Human Performance > Master of Athletic Training, MAT

Athletic Trainers (ATs) are health care professionals who collaborate with physicians. The services provided by ATs comprise prevention, emergency care, clinical diagnosis, therapeutic intervention and rehabilitation of injuries and medical conditions. Athletic training is recognized by the American Medical Association (AMA) as a health care profession.

Students become eligible for BOC certification through an athletic training degree program accredited by the Commission on Accreditation of Athletic Training Education (CAATE). Students engage in rigorous classroom study and clinical education in a variety of practice settings such as high schools, colleges/universities, hospitals, emergency rooms, physician offices and healthcare clinics over the course of the degree program. Students enrolled in their final term are eligible to apply for the BOC exam.

The Master of Athletic Training (MAT) Program at the University of Houston is an entry-level professional Master's degree accredited by the Commission on Accreditation of Athletic Training Education (CAATE). The MAT degree is designed to meet the current curricular content for the profession and prepare the MAT Student to meet the requirements to sit for the Board of Certification (BOC) for Athletic Training and enter the medical profession as an Athletic Trainer.

Through rigorous classroom study and clinical education assignments in a variety of settings with any one of the MAT Program's clinical affiliated sites and community partnerships, the MAT Student will gain the knowledge, skills, and abilities to meet the demands of the profession.

Employment settings for Athletic Trainers include:

- Professional and Collegiate Sports
- Secondary and Intermediate Schools
- Sports Medicine Clinics
- Hospital Emergency Room and Rehabilitation Clinics
- Occupational Settings
- Fitness Centers
- Physician Offices

The goals of the Master of Athletic Training Program include the following:



Offer a nationally competitive athletic training program that uses the most current National Athletic Trainers' Association (NATA) Educational Competencies and the Board of Certification (BOC) Athletic Training Practice Domains as the infrastructure for the curriculum.

Give the Master of Athletic Training Students opportunities for learning, inquiry, discovery and personal and professional growth in a real world clinical setting with an interdisciplinary group of faculty and preceptors dedicated to program and student success.

Prepare Master of Athletic Training Students to pass the Board of Certification Exam for Athletic Training and enter the workforce as an Athletic Trainer and be successful contributors to the field.

For more information, please visit the Graduate Application Process page.

Admissions Requirements

The MAT Program admits one (1) cohort per year that starts in the Summer term. Applications open in early Fall and close in the early Spring. Typically, the successful applicant that applies to the MAT Program has a solid academic and theoretical background in the study of Kinesiology. Core classes include: anatomy, physiology, exercise physiology, biomechanics, motor learning, functional anatomy, nutrition, statistics, psychology, chemistry, and physics. The successful candidate needs no prior experience in the AT field to apply and be accepted other than the required 50 hours of observation that is included in the application packet.

Application requirements include:

Major GPA of at least a 3.0. A cumulative undergraduate GPA of 2.6 is required to be considered for graduate school at The University of Houston

Official GRE scores sent electronically to institution code 6870 - University of Houston, Main Campus. Competitive applicants typically score above the 30th percentile with at least a 3.5 on the analytical writing section

Three academic/professional letters of reference

Current resume

Statement of professional goals/ personal statement

Application Fee (\$70 domestic applicants/\$100 international applicants)

Observation hours form with 50 completed hours

MAT application agreement

Additional document & testing requirements for International applicants can be found on the International Graduate Student page.

Please visit the MAT Program website for Post-Acceptance Requirements, which include:

Mandatory Immunizations

Background Check

Health Screening

Drug Screening

In addition to the required application materials and post-acceptance requirements, applicants will also be required to complete a phone interview and a video biography submission. Guidelines can be found on the MAT Program website.

Degree Requirements

Credit hours required for this degree: 57.0

MAT students must complete a minimum of 57 prescribed credit hours. Requirements for the completion of the MAT degree include:

Satisfactorily complete all courses in the degree with an overall and term GPA of 3.0 or higher.

Successful completion of all clinical education assignments.

Submission of a minimum of one (1) clinical education case study to a national journal or conference as outlined in the MAT Program Handbook: Clinical Case Study Guidelines.

Please visit the MAT Program Requirements For Completion page for more information.



MAT Program Curriculum:

Summer 1

- ATP 6301 - Anatomy **Credit Hours: 3**
 - ATP 6101 - Anatomical Basis of Athletic Injury Lab **Credit Hours: 1.0**
 - ATP 6302 - Emergency Care **Credit Hours: 3**
 - ATP 6102 - Emergency Management & Prevention of Injury Lab **Credit Hours: 1.0**
 - ATP 6191 - Clinical Experience I **Credit Hours: 1**
- Term Total: 9.0 Credit Hours

Fall 1

- ATP 6311 - Research in Athletic Training **Credit Hours: 3**
 - ATP 6312 - Therapeutic Intervention 1 **Credit Hours: 3**
 - ATP 6313 - Lower Extremity Evaluation **Credit Hours: 3.0**
 - ATP 6113 - Lower Extremity Evaluation Lab **Credit Hours: 1.0**
 - ATP 6192 - Clinical Experience II **Credit Hours: 1**
- Term Total: 11.0 Credit Hours

Spring 1

- ATP 6321 - Athletic Training Administration **Credit Hours: 3.0**
 - ATP 6322 - Pharmacology in Athletic Training **Credit Hours: 3.0**
 - ATP 6323 - Upper Extremity Evaluation **Credit Hours: 3.0**
 - ATP 6123 - Upper Extremity Evaluation Lab **Credit Hours: 1.0**
 - ATP 6293 - Clinical Experience III **Credit Hours: 2**
- Term Total: 11.0 Credit Hours

Summer 2

- ATP 7301 - Head, Neck & Spine Evaluation **Credit Hours: 3.0**
 - ATP 7101 - Head, Neck & Spine Evaluation Lab **Credit Hours: 1.0**
 - ATP 7302 - Gen Med/Pharm 2 - Pathophysiology **Credit Hours: 3**
 - ATP 7194 - Clinical Experience IV **Credit Hours: 1**
- Term Total: 8.0 Credit Hours

Fall 2

- ATP 7311 - Human Performance **Credit Hours: 3**
 - ATP 7312 - Therapeutic Intervention 2 **Credit Hours: 3**
 - ATP 7313 - Rehabilitation of Sports Injuries **Credit Hours: 3.0**
 - ATP 7113 - Rehabilitation of Sports Injuries Lab **Credit Hours: 1.0**
 - ATP 7195 - Clinical Experience 5 **Credit Hours: 1**
- Term Total: 11.0 Credit Hours

Spring 2



ATP 7321 - Behavioral Health in Athletic Training **Credit Hours: 3**

ATP 7322 - Seminar in Athletic Training **Credit Hours: 3.0**

ATP 7196 - Clinical Experience VI **Credit Hours: 1**

Term Total: 7.0 Credit Hours

Academic Policies

Retention Policy

After students have been formally accepted into the Master of Athletic Training program at the University of Houston, the MAT student must maintain an overall and term G.P.A. of 3.0 and/or receive no more than one grade of "C" in any of the required Master of Athletic Training program courses. When a student falls below the required G.P.A. and/or receives a grade of "C" in two or more classes, the MAT student will be removed from the Master of Athletic Training program.

Department Academic Policies

College Academic Policies

University of Houston Academic Policies

Sport and Fitness Administration, MA

College of Liberal Arts and Social Sciences > Department of Health and Human Performance > Sport and Fitness Administration, MA

The Sport and Fitness Administration Program (SFAP) graduate degree provides its students with a comprehensive program of study which integrates theoretical concepts and practical application of management strategies. Cognizant of the diverse demands of the sport/fitness industry and the economic projections within the field, the SFAP is well positioned to address the burgeoning needs of a sport conscious society. Its strategic location in the city of Houston and state of Texas affords students a wealth of opportunities.

Graduates of the program seek placement in a variety of sport and fitness settings including golf country clubs, professional sports franchises, television, university athletic programs, municipal recreation programs, and corporate wellness programs. Emerging topical issues within the program will include metropolitan revitalization through sport and urban fitness.

For more information, please visit the MA in Sport and Fitness Administration web page.

Admission Requirements

Applicants to the MA in Sports & Fitness Administration program must meet the following qualifications:

Cumulative undergraduate GPA of 3.0.

Applicants may also be considered for conditional admission with a cumulative GPA of at least 2.6.

Acceptable scores on the GRE submitted to Institution Code 6870.

Typically expected scores are above the 30th percentile on the quantitative and verbal sections with at least a 3.5 on the analytical writing section.

GRE scores more than 5 years old are not valid.

Completed applications for the SFAP must include:

Three academic/professional letters of reference.

Current resume.

Statement of professional goals and interests.



Application Fee (\$65 domestic applications/\$95 international applicants)

Additional information on documentation required for international students, including details on showing English language proficiency, can be found on the International Graduate Student website.

Degree Requirements

Credit hours required for this degree: 36.0

The following represents minimal expectations regarding the completion of the MA in Sport and Fitness Administration in the College of Liberal Arts and Social Sciences.

A minimum of 36.0 Credit Hours is required and transfer students must complete at least 27.0 Credit Hours at the University of Houston after admission to the graduate program.

A common core of 12.0 Credit Hours is required of all students.

This requirement normally is fulfilled during the first 18 .0 Credit Hours taken at the university.

Students must take a minimum of 15.0 Credit Hours of Program Emphasis Courses.

Students are allowed to take a maximum of 9.0 Credit Hours of Elective coursework that must be approved by their faculty advisor.

A comprehensive examination or completion of a master's thesis is a requirement for this program.

The comprehensive exam will typically be taken in the student's final term.

Comprehensive Exam

A comprehensive examination is required for all students seeking the Master of Arts in Sport and Fitness Administration degree, except for those planning on completing a research-based thesis. Upon approval by the student's faculty advisor, the comprehensive examination may be taken at any time after 18.0 Credit Hours of required coursework is completed. A student must be enrolled in coursework during the term in which the examination is to be taken.

The comprehensive examination is comprised of 4 questions. One question is derived from the material covered in each of the four the Core courses: PEP 6305, PEP 6321, PEP 7306, and PEP 7307. The student must pass the comprehensive examination satisfactorily before the Master of Arts in Sport and Fitness Administration degree is awarded.

Core Courses

12 credit hours

PEP 6305 - Measurmnt Hlt & Phys Educ **Credit Hours: 3.0**

PEP 6321 - Sport in Cont Society **Credit Hours: 3.0**

PEP 7306 - Adm Prncs of Sprts/Exer Prgms **Credit Hours: 3.0**

PEP 7307 - Implmtng Leg Strat Sprts/Fit **Credit Hours: 3.0**

Program Emphasis Courses

At least 15 hours

NUTR 6314 - Gender and Culture Issues in Physical Activity and Fitness **Credit Hours: 3**

PEP 6309 - Policies & Governance of Sport Organizations **Credit Hours: 3.0**

PEP 6322 - Sport Media & Public Relations **Credit Hours: 3.0**

PEP 6355 - Promotional Strategies **Credit Hours: 3.0**

PEP 6397 - Selected Topics in Human Perf **Credit Hours: 3.0**

Topic(s)

Developmental Aspects of Sport **Credit Hours: 3.0**



Sport Event Management **Credit Hours: 3.0**
PEP 7308 - Sports Facility Administration **Credit Hours: 3.0**
PEP 7309 - Sport Finance **Credit Hours: 3.0**
PEP 7393 - Internship & Practicum **Credit Hours: 3.0**

Academic Policies

University Academic Policies
Academic Policies: College of Liberal Arts and Social Sciences

Doctoral

Kinesiology, PhD

The Doctor of Philosophy in Kinesiology program currently focuses on four broad areas of kinesiology, namely motor control and learning, physiology, obesity studies, and sport and fitness administration.

Program Objectives

The Doctor of Philosophy (PhD) in Kinesiology is designed to provide doctoral level training to prepare a professional with the cognitive and research skills needed to be a productive scholar.

The primary objectives of the PhD in Kinesiology are:

- Understand, conduct, disseminate, and critically evaluate research in kinesiology and related fields.
- Deeply understand content in one's chosen field
- Promote the learning of others through strong written and oral communication.
- Prepare program development and research proposals.

The usual time for completion of the PhD (Kinesiology) program is **four to five** years.

For more information, please visit the PhD in Kinesiology program website.

Admission Requirements

Admittance to the program will be based on a series of criteria that includes:

Undergraduate Grade Point Average (GPA): Most admitted students have a GPA above 3.5.

Graduate Record Exam (GRE): Most admitted students score above the 60th percentile on the Quantitative and Verbal Reasoning sections and at least 3.5 on the Analytical Writing section.

Three Letters of Recommendation

Letter of Research Interests with Statement of Professional Goals

Writing Sample (Examples: thesis, journal articles, professional reports, etc.)

Standardized Writing Exercise (Details available from the Graduate Advisor)

Personal Interview with a potential faculty advisor (Note: when possible, this should be an in-person interview; when travel distance is a concern, this may be a telephone or teleconference interview.)

Additional documents and English proficiency requirements for International Graduate Applicants



Degree Requirements

Credit hours required for this degree: 66.0

The PhD in Kinesiology requires a minimum of 66 hours, including 6 hours of required doctoral dissertation hours. These hours are comprised of the required courses below, HHP Journal Colloquium, course hours for preparing the required PhD Candidacy Project, and designated electives that are pertinent to a student's course of study. After completion of the 2nd year, students are required to enroll in PEP 8304 HHP Journal Colloquium each semester until graduation. Electives are to be taken under the direction and approval of the student's faculty advisor. These electives can be drawn from the designated elective course list and include classes (both scheduled and Special Problems classes) offered within the department, classes offered in other departments within the University of Houston, or classes offered in support areas at other academic institutions. The approved electives will provide the student with an academic foundation in the particular discipline of study within the PhD program.

After completion of 45 hours of coursework, students are eligible to sit for the comprehensive exam. In order to advance to candidacy students must pass the comprehensive exam. Students that fail either test two times will be dismissed from the program. To learn more about degree requirements please visit the program details web-page.

In addition to the sequence below, each student will be required to participate in on-going research projects, develop independent research projects, generate research results that form the basis of their candidacy paper and attend research seminars and thesis/dissertation defenses within both the department and the wider scientific research community.

The capstone experience within the PhD (Kinesiology) program is completion of a dissertation research project and dissertation document.

Department Core

The following classes are mandatory for all PhD (Kinesiology) students in HHP:

PEP 8306 - Scientific Inquiry in Hlt Prof **Credit Hours: 3.0**

PEP 8314 - Research Methods and Design in KIN **Credit Hours: 3**

PEP 8323 - Programming & Proposal Writing **Credit Hours: 3.0**

PEP 8350 - HHP Candidacy Project Research **Credit Hours: 3.0**

PEP 8350 - HHP Candidacy Project Research **Credit Hours: 3.0** (second semester if needed)

Analytical Methods (9 hours)

Students must complete 9 hours of analytical methods courses approved by their faculty advisory committee.

Emphasis Area (12 hours)

Students must complete 12 credits from their emphasis area approved by their faculty advisory committee. Typically, students will fulfill this requirement through PEP 8304 - Journal Club, however, the faculty advisory committee may approve additional courses.

PEP 8304 - HHP Journal Colloquium **Credit Hours: 3.0**

Elective Courses (18-27 hours)



Graduate level courses offered inside or outside departments that are not used to meet previous requirements. Students will typically take 12 additional journal club hours and 6-15 hours of approved electives. Elective courses must be approved by the student's faculty advisory committee. Additionally, students may take an additional 6 hours of PEP 8350 - Candidacy Project hours.

PEP 8350 - HHP Candidacy Project Research **Credit Hours: 3.0**

Dissertation Hours (6-12 hours)

PEP 8399 - Doctoral Dissertation **Credit Hours: 3**

PEP 8699 - Doctoral Dissertation **Credit Hours: 6**

PEP 8999 - Doctoral Dissertation **Credit Hours: 9**

Academic Policies

University of Houston Academic Policies

College Academic Policies

Department Academic Policies

Residency Requirements

All PhD (Kinesiology) students are required to enroll in Residency during their first full academic year of entering the program (Fall and Spring semesters).

During this residency period, a student must be enrolled as a full-time student (**i.e. 9 hours of academic classes per semester**) for both the Fall and Spring semesters of their residency period.

During the Fall semester, each student in residency shall enroll and successfully complete the designated departmental residency class, Principles of Scientific Inquiry.

During their residency period, students will be introduced to "professional activities" including research experiences, journal club, seminar attendance, attendance at thesis/dissertation defenses and other experiences that are applicable to continual professional development.

Student Annual Review Process

Annual reviews are formative and are performed each year a student is enrolled in the program.

After review of the information supplied by the advisor and student by the GRD committee, there are **three** potential outcomes of the annual review process that can be arrived at.

These are:

Adequate progress (student continues in the program)

Academic probation (student continues in the program with remedial action determined by the GRD committee).

Termination from the program (after failure of probationary period)

Graduate Certificate



Sport and Fitness Operations Management, Certificate

College of Liberal Arts and Social Sciences > Department of Health and Human Performance > Sports and Fitness Operations Management, Certificate

The graduate certificate in Sport & Fitness Operations Management provides graduate-level students with a focus on the understanding of the organizational, financial, and structural management of business in the sport and fitness industry. Professionals working in the sporting industry can gain additional training and certification to advance into upper management.

Certificate Requirements

Credit hours required for this certificate: 12.0

To earn the certificate, a student must complete the following courses:

PEP 6309 - Policies & Governance of Sport Organizations **Credit Hours: 3.0**

PEP 6322 - Sport Media & Public Relations **Credit Hours: 3.0**

PEP 6397 - Selected Topics in Human Perf **Credit Hours: 3.0**

Topic(s):

Developmental Aspects of Sport

PEP 7309 - Sport Finance **Credit Hours: 3.0**

Academic Policies

College Academic Policies

University of Houston Academic Policies

Strength and Conditioning, Certificate

College of Liberal Arts and Social Sciences > Department of Health and Human Performance > Strength and Conditioning, Certificate

The graduate certificate in Strength and Conditioning provides graduate-level students with a focus on the scientific principles of exercise and their practical applications for enhancing athletic performance, improving general fitness, increasing overall function, and preventing injuries. The coursework combines the research-based knowledge necessary to be a successful strength & conditioning professional, with cutting-edge topics from the industry, and opportunities for problem solving and hands-on application. The curriculum is designed to fully equip students to execute the duties of a fitness specialist in a variety of settings and increase readiness to take the most respected and rigorous certifications in the field, like the NSCA's Strength and Conditioning Specialist and Personal Training certifications. The certificate is also a complementary addition to several other occupations, including nutritionists, coaches, and professionals across the rehabilitation industry.

Certificate Requirements

Credit hours required for this certificate: 12.0

To earn the certificate, a student must complete the following courses:

PEP 6331 - Strength Training Anatomy **Credit Hours: 3.0**

PEP 6332 - Intro Str/Cond Program Design **Credit Hours: 3.0**



PEP 6397 - Selected Topics in Human Perf **Credit Hours: 3.0**

Topic(s):

Functional Training and Injury Prevention

Academic Policies

Academic Policies: College of Liberal Arts and Social Sciences

University of Houston Academic Policies

Department of Hispanic Studies

Master

Hispanic Studies, MA

The online MA in US Hispanic Studies, in conjunction with the existing Graduate Certificate in Spanish as a Heritage Language, also offered by the Department of Hispanic Studies, is aimed at accomplishing the following:

- preparing a corps of well-trained teachers of Spanish and Hispanic culture for heritage language learners;
- attracting Spanish teachers at schools and community colleges (where the majority of Hispanic students study) to begin their graduate education and even continue beyond the certificate and MA to a PhD;
- strategically enabling other institutions that do not have the advanced programmatic and personnel resources of the University of Houston to further the graduate education of their students receiving BA degrees and teachers in their surrounding communities;
- and
- to allow professionals from diverse fields (e.g., medical, business, the arts) to acquire the necessary tools to successfully work with the Hispanic community in the United States and in global environments.

The online MA in US Hispanic Studies will prepare students in:

- the teaching of Spanish as a heritage language;
- linguistic, cultural, literary, historical, sociopolitical, and artistic components of the U.S. Hispanic community; and
- the application of this knowledge to everyday life in teaching, medical, legal, media, and/or business settings.

Degree Requirements

Credit hours required for this degree: 36.0

The online MA in US Hispanic Studies will consist of a sequence of ten courses and a 6 hours thesis or community project that will offer training in U.S. Spanish and Heritage Language Education to professionals from diverse fields.

Required Courses

12.0 Credit Hours

SPAN 6344 - US Hispanic Literature **Credit Hours: 3.0**

SPAN 6397 - Topics in Span-Amer Lit **Credit Hours: 3.00**



Topic(s): U.S. Hispanic Culture and Civilization

SPAN 6352 - Sociolinguistic Aspects of U.S. Spanish **Credit Hours: 3.0**

SPAN 6389 - Methods of Teaching Spanish Heritage Learners **Credit Hours: 3.0**

Prescribed Elective Courses

24.0 Credit Hours

SPAN 6395 - Topics-Lang&Linguistics **Credit Hours: 3.00**

Topic(s):

U.S. Latinx in Film

Spanish Language as a Resource in the U.S. Professions

U.S. Spanish Speech Variation

SPAN 6353 - Spanish-English Contrastive Analysis **Credit Hours: 3.0**

SPAN 6310 - US Latinx Literature for Children and YA **Credit Hours: 3.0**

SPAN 6390 - Research in Heritage Language Education **Credit Hours: 3.0**

SPAN 6399 - Masters Thesis **Credit Hours: 3**

SPAN 7399 - Masters Thesis **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies

Academic Policies: College of Liberal Arts and Social Sciences

Spanish, MA

The MA program in Spanish offers an academic environment for students interested in advanced studies in the fields of Hispanic, Latin American and Peninsular Literature, and Spanish Linguistics. The program has been designed to provide knowledge and develop critical thinking on traditional and modern approaches used in these fields. The main goal of the MA program in Spanish is the preparation of future professionals to develop successful careers in education, administration, interpretation, and translation in diverse public and private institutions. The MA program in Spanish provides a strong preparation to pursue advanced studies at the PhD level.

For more information, please visit the Hispanic Studies program website.

Admission Requirements

For unconditional admission to the MA program in Spanish, applicants must have earned a Bachelor's Degree in Spanish from an accredited institution, with an overall grade point average of at least 3.00 (A=4.00) for the last 60 hours of course credit. Students who have a Bachelor's Degree in a field other than Spanish must take SPAN 3304, two courses in Spanish Literature at the 4000-level, and one course in Spanish Linguistics before entering the MA (equivalent courses taken in other institutions are accepted).

Applicants must have acceptable scores on the General Aptitude section of the Graduate Record Examination (GRE). Students must meet English language proficiency requirements as seen on the International Graduate Student page. Two confidential letters of recommendation from professors detailing the potentials of the candidate as a student, a statement of purpose in Spanish (500-1000 words) explaining why you wish to pursue a graduate degree, a writing sample (research paper 7-10 pages typed, double-spaced), and official transcripts are also required.



Conditional admission may be granted a domestic applicant who has a grade point average of at least 2.67 and whose scores on the Graduate Record Examination are high enough to indicate probable success in the graduate program.

GRE Waiver Option

The GRE requirement is waived for applicants to the MA; MA/PhD and PhD in Spanish programs who have the following:

MA applicants:

an overall undergraduate grade point average of 3.00 or higher (on a 4-point scale) or 7.2 (on a 10-point scale)

MA/PhD applicants:

an overall undergraduate grade point average of 3.00 or higher (on a 4-point scale), or 7.2 (on a 10-point scale)

PhD applicants:

an overall undergraduate grade point average of 3.00 or higher (on a 4-point scale), or 7.2 (on a 10-point scale)
a master's or terminal degree.

For further information, please call or write:

*Department of Hispanic Studies
The University of Houston
3553 Cullen Boulevard Rm 416
Houston, Texas 77204-3062
713-743-3007*

Degree Requirements

Credit hours required for this degree: 36.0

A total of 36 hours is required for the M.A. in Spanish, all at the 6000-level or above. Students may elect to write a thesis; if they do so, a maximum of 6 hours of thesis credit may count as part of the 36. A maximum of 6 hours, as well, may be taken in a complementary field outside the department if students obtain written permission in advance from the Graduate Director.

Once admitted to the program, no course in which a grade below B- (2.67) is received may be applied toward the Master's degree. Comprehensive written and oral examinations are required to obtain the degree; these are scheduled during the last term of course work. A minimum of 27 term hours must be earned in residence at the University of Houston.

At the end of each student's first year of course work at the graduate level, a screening procedure will be conducted by all faculty members with whom the student has studied in order to determine whether the individual is progressing satisfactorily toward the degree objective.

Before entering the M.A. Program, students should decide on the concentration they wish their M.A. in Spanish to reflect.

Possible concentrations include:

Spanish literature

Spanish literature and linguistics

Spanish linguistics

Students must take the following required hours in accord with their selected concentration:

Concentration in Literature:

Peninsular Literature Cr. 9



Latin American Literature Cr. 9
Hispanic Literature of the US Cr. 9
Spanish Linguistics Cr. 6
Literature elective Cr. 3

Concentration in Literature/Linguistics:

Literature Cr. 15-18
Linguistics Cr. 15-18

Concentration in Linguistics:

Spanish Linguistics Cr. 30
Literature Cr. 6

Thesis option:

A master's thesis may be substituted for 6 hours in any of these concentrations.

Course lists to accompany fields of study above:

SPAN 6333 - 19Th Century Span Lit **Credit Hours: 3.0**
SPAN 6335 - Golden Age Drama **Credit Hours: 3.0**
SPAN 7394 - Sel Topics Span Literature **Credit Hours: 3.0**
SPAN 6366 - Span-Am Lit To 1830 **Credit Hours: 3.0**
SPAN 6368 - Span-Am Modernism **Credit Hours: 3.0**
SPAN 6375 - Mdrn Spa-Amer Narr 1950 **Credit Hours: 3.0**
SPAN 6379 - Spa-Am Nrrtv 1950/Prsnt **Credit Hours: 3.0**
SPAN 6382 - Golden Age Prose **Credit Hours: 3.0**
SPAN 6385 - Cntmpry Spa-Amer Poetry **Credit Hours: 3.0**
SPAN 6386 - Contemporary Span Fictn **Credit Hours: 3.0**
SPAN 6397 - Topics in Span-Amer Lit **Credit Hours: 3.00**
SPAN 7391 - Sel Topics Spanish Amer Lit **Credit Hours: 3.00**

Hispanic Literature of the US

SPAN 6344 - US Hispanic Literature **Credit Hours: 3.0**
SPAN 6345 - Las Mujeres Reescriben America **Credit Hours: 3.0**
SPAN 7395 - Sel Topics in US Hispanic Lit **Credit Hours: 3.0**
POLS 6380 - Quantitative Methods I **Credit Hours: 3**

Linguistics

SPAN 6305 - Teaching Spanish for Acquisition **Credit Hours: 3.0**
SPAN 6308 - Introduction to Spanish Linguistics **Credit Hours: 3.0**
SPAN 6320 - Research in Spanish Second Language Acquisition **Credit Hours: 3.0**
SPAN 6330 - Language Variation and Change **Credit Hours: 3.0**
SPAN 6331 - Historical Grammar **Credit Hours: 3.0**



SPAN 6354 - Spanish Phonetics and Phonetic Variation **Credit Hours: 3.0**
SPAN 6355 - Spanish Phonology **Credit Hours: 3.0**
SPAN 6356 - Spanish Syntax **Credit Hours: 3.0**
SPAN 6358 - Spanish Sociolinguistics **Credit Hours: 3.0**
SPAN 6389 - Methods of Teaching Spanish Heritage Learners **Credit Hours: 3.0**
SPAN 6390 - Research in Heritage Language Education **Credit Hours: 3.0**
SPAN 6394 - Topics-Teaching Spanish **Credit Hours: 3.0**
SPAN 6395 - Topics-Lang&Linguistics **Credit Hours: 3.00**
SPAN 6398 - Spanish Phonetics & Phonology **Credit Hours: 3.0**
SPAN 7301 - Methods Hisp Lit & Lang **Credit Hours: 3.0**
SPAN 7393 - Sel Tops Meth Span Linguistics **Credit Hours: 3.00**

Academic Policies

Academic Policies: College of Liberal Arts and Social Sciences

University of Houston Academic Policies

Doctoral

Spanish, PhD

The Department of Hispanic Studies is at the forefront of research and teaching of Hispanic literature and Spanish linguistics. Our offering in Hispanic literature and Hispanic linguistics now encompasses the literatures written throughout the Americas and Spain. Given Houston's location, as well as Arte Público Press and the Recovering the U.S. Hispanic Literary Project at UH, our PhD program offers an optimal environment in which to achieve excellence.

For more information, please visit the Spanish, PhD program page.

Admission Requirements

For unconditional admission to the PhD in Spanish, applicants must have earned an MA degree in Spanish, or its equivalent, with a minimum grade point average of 3.20 (A = 4.00).

Students who have an MA degree in a field other than Spanish and are seeking a PhD with an emphasis in literature must take, concurrently with the other courses normally required for the doctoral program, one course from each of the following groups:

- Hispanic literature of the United States
- Latin American literature through Modernism
- Latin American literature since Modernism
- Peninsular literature through the XVII century
- Peninsular literature, centuries XVII through XX

Students with an MA degree in a field other than Spanish whose emphasis is linguistics will be required to take SPAN 6308 Introduction to Spanish Linguistics, plus one course from each of the following groups:

- Formal linguistics (Syntax, semantics, or pragmatics)
- Formal linguistics (Phonetics or phonology)
- Sociolinguistics



Applied linguistics

Applicants must have acceptable scores on the General Aptitude section of the Graduate Record Examination (GRE). International applicants must meet English language proficiency requirements as seen on the International Graduate Students website. Three confidential letters of recommendation from professors detailing the potential of the candidate as a graduate student, a statement of purpose in Spanish (500-1000 words) explaining why you wish to pursue a graduate degree, a writing sample (research paper 7-10 pages typed, double-spaced), and official transcripts are also required.

GRE Waiver Option

The GRE requirement is waived for applicants to the MA; MA/PhD and PhD in Spanish programs who have the following:

MA applicants:

an overall undergraduate grade point average of 3.00 or higher (on a 4-point scale) or 7.2 (on a 10-point scale)

MA/PhD applicants:

an overall undergraduate grade point average of 3.00 or higher (on a 4-point scale), or 7.2 (on a 10-point scale)

PhD applicants:

an overall undergraduate grade point average of 3.00 or higher (on a 4-point scale), or 7.2 (on a 10-point scale)
a master's or terminal degree.

Degree Requirements

Credit hours required for this degree: 42.0

The PhD in Spanish requires that, beyond the achievement of the master's degree, students complete a minimum of 36 semester hours of approved graduate courses and 6 semester hours of dissertation as follows:

Required core courses	Cr. 6.0
Elective courses	Cr. 30.0
Dissertation	Cr. 6.0

Once admitted to the program, no course in which a grade below B- (2.67) is received may be applied toward the PhD degree.

At the end of each student's first year of course work at the PhD level, a screening procedure will be conducted by all faculty members with whom the student has studied in order to determine whether the individual is progressing satisfactorily toward the degree objective.

Required Coursework

Students from each concentration (Creative Writing, Linguistics, and Literature) must take:

one course (3 credit hours) in U.S. Latino Studies/U.S. Spanish and

one course (3 credit hours) outside their concentration, either in another concentration in Hispanic Studies or in another department on campus.

Courses in other departments will be chosen in consultation with the student's faculty advisor and approved by the Director of Graduate Studies.

Language requirements

Reading knowledge of one language in addition to Spanish and English is required (in addition to the 42 hours referred to above). Reading knowledge may be demonstrated in one of the following ways:



Four college terms at the undergraduate level (or equivalent proficiency as demonstrated by testing) in another Romance language.
Reading knowledge of Latin or any other approved language, as demonstrated either by:
satisfactory scores on the Educational Testing Service examinations for that language, or
the completion of two terms of graduate reading courses in the language chosen with a grade of B- or higher.

PhD Comprehensive Exam

A written examination over different areas in literature and linguistics as well as an oral examination must be successfully taken before admission to candidacy.

PhD Dissertation

The student must develop a dissertation which can be considered to be original and of significance to scholarship in the respective field.

Academic Policies

University of Houston Academic Policies
Academic Policies: College of Liberal Arts and Social Sciences

Graduate Certificate

Spanish as a Heritage Language Certificate

College of Liberal Arts and Social Sciences >Department of Hispanic Studies >Spanish as a Heritage Language Certificate

Introduction

The Graduate Certificate in Spanish as a Heritage Language (SHL) is a twelve (12) credit post-baccalaureate program that will offer training in U.S. Spanish and Heritage Language Education to those interested in the subject. The certificate includes courses from a variety of perspectives that will prepare teaching professionals to work with Hispanic heritage language learners at secondary and post-secondary levels.

The program allows direct entry to those with a bachelor's degree who seek some graduate-level work to enhance their knowledge and skills in particular areas but who are not interested in earning a graduate degree. Post-baccalaureate students who successfully complete the four-course sequence will receive a Certificate in Spanish as a Heritage Language. Upon completion of the certificate, participants who may be interested in continuing their studies will be eligible to apply to the M.A. program in Spanish, and if accepted, petition for the credits to be counted towards the master's course load.

The certificate program is also open to students already matriculated in Spanish graduate degree programs at UH. Upon completion of the program's four courses, students currently enrolled as degree-seeking in the Spanish M.A. or Ph.D. programs will be granted the SHL Certificate.

How To Apply For the Certificate

Individuals interested in the SHL Graduate Certificate will find more information on the Hispanic Studies web page (<http://www.uh.edu/class/spanish/>).



An undergraduate degree in Spanish (or equivalent) will be required for admission to the post-baccalaureate program. Applicants must submit an official transcript showing that the undergraduate degree has been awarded.

Explanation of the Certificate

Requirements for the Graduate Certificate include four (4) Hispanic Studies graduate courses.

Twelve (12) Credit Hours:

SPAN 6389 - Methods of Teaching Spanish Heritage Learners **Credit Hours: 3.0**

SPAN 6344 - US Hispanic Literature **Credit Hours: 3.0**

SPAN 6397 - Topics in Span-Amer Lit **Credit Hours: 3.00**

(Topic: U.S./Hispanic Culture and Civilization)

SPAN 7393 - Sel Tops Meth Span Linguistics **Credit Hours: 3.00**

(Topic: U.S./Spanish: Sociolinguistic Aspects)

Other Information

Program director's approval needed to substitute a course.

The courses will be offered in face-to-face or hybrid-format on evenings and/or Saturdays during the long semesters and in the summer.

Department of History

Master

History, MA

College of Liberal Arts and Social Sciences > Department of History > History, MA

The Department of History offers MA degrees in United States, European, Latin American, Ancient, Modern Arab/Middle East, Transnational, and Public History in all chronological periods. Furthermore, coursework is available in African, Asian, Modern Arab/Middle East and World history.

Admission Requirements

The University of Houston sets minimum standards for graduate admissions, but the Department of History has established supplemental requirements. All students seeking admission into the graduate program in History must complete an online application from the University Office of Admissions. The deadline for applications is January 1. All application materials must be received by that date. All applications are accepted to begin in the Fall term only. Please consult the History Department website: (<http://www.uh.edu/class/history/>) or contact the graduate advising assistant for detailed information on requirements and procedures.

Overall 3.3 average (B+) on the last sixty hours (60) of course credit.

A minimum of 18 hours in history or other relevant courses with a 3.3 (B+) average.

Acceptable GRE scores.



- Three letters of recommendation.
- A one-to two page personal statement indicating the applicant's academic interests.
- A writing sample.
- Official transcripts from every college and university attended.
- University of Houston on-line graduate application.
- A non-refundable application fee.

Degree Requirements

Plan I: M.A. Thesis Track

Plan I has a teaching and research focus, and requires the completion of a thesis. Students who are considering continuation of their graduate work in history beyond the M.A. degree most often should select this option if they are not ready to commit to a Ph.D. program. The degree required a minimum of thirty (30) hours of credit in graduate-level (6000) courses, including coursework and six (6) hours of thesis credit. Reading knowledge in at least one foreign language is required.

Plan II: M.A. Non-Thesis Track

Plan II is designed for students who desire advanced preparation in History (especially teachers seeking to strengthen their mastery of their subject fields), but who do not expect to pursue work toward a Ph.D., and who do not wish to take advanced training in historical research. Thirty-six (36) hours of credit in graduate (6000-level) courses, in specific areas, are required. There is no foreign language requirement for this track.

Plan III: Public History Thesis Track

The Public History Thesis Track is designed for students who intend to pursue a career in a variety of areas of public history. Many students in Plan III will work toward the M.A. as a terminal degree, but some may choose to pursue the Ph.D. Thirty (30) hours of credit in graduate-level (6000) courses are required, including coursework, six (6) hours of Public History Internship, and six (6) hours of thesis credit. A foreign language is required.

Plan IV: Public History Non-Thesis Track

The Public History Non-Thesis Track is considered the primary degree plan for public history, due to its focus on applied use of skills in practical settings. It serves students who intended to pursue careers in public history fields such as institutional history, cultural resources management, historical policy and analysis, community history, historical editing, historical archives and records management, and the creation, interpretation, and management of historical exhibits. Thirty-six (36) hours of credit in graduate-level (6000) courses are required, including coursework and nine (9) hours of Public History Internship. A foreign language is not required.

Additional information concerning required courses in major and minor fields, examinations, residency requirements and the like should be obtained from the Department of History's website: <http://www.uh.edu/class/history/>.

Doctoral

History, PhD



The Department of History offers PhD degrees in United States, European, Latin American, Ancient, Modern Arab/Middle East, and Transnational history in all chronological periods. Transnational scholarship may include America and the world; the Atlantic World; comparative history involving study of two or more countries, regions, or continents; energy and the environment; gender; immigration history; international relations; the Pacific Rim; and race and ethnicity. Students may base their Transnational work in any of the regions where the department has faculty resources: Africa, Asia, Europe, Latin America, Modern Arab/Middle East, or the United States.

Admission Requirements

The University of Houston sets minimum standards for graduate admissions, but the Department of History has established supplemental requirements. All students seeking admission into the graduate program in History must complete an online application from the University Office of Admissions. The deadline for applications is January 1. All application materials must be received by that date. All applications are accepted to begin in the Fall semester only. Please consult the History Department website: <http://www.uh.edu/class/history/> or **contact the graduate advising assistant for detailed information on requirements and procedures.**

Overall 3.67 (A-) average on all graduate work attempted (for applicants to the M.A. to Ph.D. track) or overall 3.67 (A-) average on the last sixty (60) hours of undergraduate course credit (for applicants to the B.A. to Ph.D. track).

A minimum of 18 hours in history or other relevant courses with a 3.67 (A-) average.

Acceptable GRE scores.

Demonstrate a reading proficiency in at least one foreign language before or during the first semester of residence in the Ph.D. program.

Three letters of recommendation.

A one- to two-page personal statement indicating the applicant's academic interests is required.

A writing sample.

Official transcripts from every college and university attended.

University of Houston on-line graduate application.

A non-refundable application fee.

Degree Options and Requirements

B.A. to Ph.D. Track:

The Ph.D. Program provides the training necessary for careers in college teaching and historical research. Some students also may wish to pursue the Ph.D. for careers in a variety of public history or applied history fields. This track is intended for students who have earned a B.A. in history or a related discipline. Reading knowledge in at least one foreign language is required. The degree requires a minimum of fifty-four (54) hours of credit in graduate-level (6000) courses, including coursework and nine (9) dissertation credit hours.

M.A. to Ph.D. Track:

The Department of History offers a separate curriculum plan for graduate students who have earned an M.A. in history or a related discipline. Reading knowledge in at least one foreign language is required. The degree requires a minimum of forty-five (45) hours of credit in graduate-level (6000) courses, including coursework and nine (9) dissertation credit hours.

The Ph.D. degree is awarded on the completion of a dissertation that makes a significant contribution to knowledge. The dissertation should be based upon original, independent research drawing heavily from primary sources. From the beginning of the doctoral program, the student should be investigating possible topics in conjunction with the faculty advisor.

Additional information concerning required courses in major and minor fields, examinations, residency requirements, and the like should be obtained from the Department of History's website: <http://www.uh.edu/class/history/>.



Department of Modern and Classical Languages

Master

World Cultures and Literatures, MA

College of Liberal Arts and Social Sciences > Department of Modern and Classical Languages > World Cultures and Literatures, MA

The MA in World Cultures and Literatures is an innovative, interdisciplinary graduate program with strong cultural studies focus and in-depth study in one of the target languages and/or cultures. With an emphasis on languages, literatures, and cultures, the WCL MA program involves a wide range of possible directions as it seeks to meet individual student's academic and career interests and needs. The program addresses issues such as modernity, postmodernity, globalization, colonialism and post-colonialism, transnational and transcultural concerns, urban and diasporic studies, and the formation of cultural identities. It incorporates literary, film, visual, media, and gender studies. Students in language core areas acquire high proficiency in the target language, translation skills, and, in some areas of concentration, training in applied linguistics and second language teaching.

Areas of Concentration

- Chinese
- French
- German
- Italian
- European Cultural Studies with French, German or Italian Core
- Latin American and Latino Cultural Studies
- Comparative Literary and/or Cultural Studies
- Global Cinema Studies

Our faculty, dedicated scholars and teachers drawn from the Chinese, Classical Studies, French, German, Italian, and World Cultures and Literatures programs of the Department of Modern and Classical Languages as well as from other disciplines and departments, provide students with diverse perspectives and approaches relevant to the study of cultures and languages in multiple contexts. Instruction is student-centered, engaging, and encourages faculty-mentored individual and collaborative research. We are committed to excellence in scholarship, student success, and cultural diversity.

The MA in World Cultures and Literatures prepares and qualifies students for a wide range of career areas or for doctoral studies in given languages. In a rapidly changing job market, there is a growing demand for people with an understanding of historical and global contexts who can think across cultures and disciplines, imaginatively frame questions and consider multiple perspectives, combine various approaches and find innovative solutions. The WCL MA contributes to the University of Houston's mission of preparing students for an increasingly diverse and interdependent world and accommodates the educational needs of:

- BA recipients who want to go on to a more advanced language training in a terminal MA program;
- BA recipients who wish to complete an MA as a bridge program to prepare them for doctoral study at other universities;
- Working professionals, including foreign language teachers, who wish to continue their education in foreign languages and cultures.

Admission Requirements

- Minimum of 3.0 GPA in last 60 hrs
- Competitive GRE scores
- Major in target language, or



Minor in target language and approval of director (admitted provisionally), or
High level in target language and some background in target culture and/or literature, with approval of director (admitted conditionally;
conditional admission is not available to students on an F-1 visa)

Students should submit the following materials:

The on-line application

Application fee (\$50 domestic applicants/\$125 international applicants)

Official transcripts from every institution of higher education attended

The GRE general test score (The ETS code for the University of Houston is 6870)

2-3 letters of recommendation

Completed departmental application form with student's statement of intent (500 words) and a brief statement in the target/core language (200 words) explaining why you wish to study at the graduate level

International applications have additional documentation requirements, including TOEFL scores if appropriate. For further information, please visit the International Graduate Students page.

Degree Requirements

Credit hours required for this degree: 30.0

A minimum of 30 hours is required for the WCL M.A., all at the 6000-level or above. Students may elect to write a thesis, complete a translation project in literary/cultural studies, or develop an editing project; if they do so, a maximum of 6 hours of thesis credit may be added on to their requirement. In alternative, students may elect the non-thesis option: they will submit to the director of graduate studies, by the middle of their final term, a copy (in English translation if the paper was originally written in another language) of a seminar paper they judge to be their best. The paper should be revised and expanded in light of further consultation with the professor in the seminar and the director of graduate studies. Students will receive no credit for the non-thesis option. Before entering the M.A. Program, students should decide on a concentration they wish to pursue. Careful advising of individual students will ensure that students build a curriculum that supports their academic and career goals. However, the program is so designed that students may change directions with little or no need for extra courses. The course choices currently include 6000 level courses in MCL and other departments. Courses at the 8000 level require the permission of the instructor.

A minimum 3.0 grade point average for all courses in the M.A. Program is required.

Required Coursework

Total of 30 hours without thesis:

WCL 6351 - Frames of Modernity **Credit Hours: 3.0**

WCL 6352 - Postmodernity & Globalization **Credit Hours: 3.0**

or

WCL 6353 - Frames of Modernity III: Classics and Modernity **Credit Hours: 3.0**

3.0 hrs. in 6000-level history course related to target culture/area of concentration

15.0 hrs. in 6000-level language, linguistics or literature courses related to area of concentration

6.0 hrs. electives in courses related to the area of concentration in literary theory, philosophy, cultural studies, pedagogy, global cinema studies, etc. offered by MCL or another program and approved by director, including practice teaching, internship, study abroad and publications skills preparation as WCL's special elective

Language Requirements

English; proficiency in core concentration/target language, demonstrated by either



completion of B.A. or equivalent;
completion of four terms of undergraduate coursework in that language followed by approval of the MCL program director of core concentration/target language;
native or acquired fluency, followed by approval of the MCL program director of core concentration/target language.

Reading knowledge of a language other than English and the core concentration/target language desirable. Reading knowledge in the third language can be satisfied while enrolled in the graduate program through completion of two terms of graduate reading courses in the language with a grade of B- (2.67) or higher.

Areas of Concentration & Specific Requirements

Chinese:

WCL 6351 - Frames of Modernity **Credit Hours: 3.0**

WCL 6352 - Postmodernity & Globalization **Credit Hours: 3.0**

CHIN 6364 - Issues in Chinese Language & Culture **Credit Hours: 3**

CHIN 6371 - Teaching Chinese as a 2nd Language **Credit Hours: 3**

CHIN 6373 - Chinese Second Language Curriculum Design and Instruction **Credit Hours: 3**

CHIN 6397 - Selected Topics **Credit Hours: 3** (repeated, as topics vary, with approval of chair; 6.0 credit hours)

3 hrs. in 6000-level history course in Chinese or Asian history

6 hrs. in cultural studies, Asian American studies, translation studies, or other relevant courses

French:

WCL 6351 - Frames of Modernity **Credit Hours: 3.0**

WCL 6352 - Postmodernity & Globalization **Credit Hours: 3.0**

WCL 6353 - Frames of Modernity III: Classics and Modernity **Credit Hours: 3.0**

3 hrs. in 6000-level history course related to target culture

9 hrs. selected from any of the 6000-level literature courses taught in French

6 hrs. in theory, cultural studies, film / visual studies, translation studies, architectural or art history, philosophy, pedagogy, or other courses relevant to the core, taught in MCL or other departments

6.0 hours selected from:

FREN 6313 - Advanced Composition and Stylistics **Credit Hours: 3.0**

FREN 6315 - Advanced Translation **Credit Hours: 3.0**

FREN 6316 - Contemporary France **Credit Hours: 3.0**

German:

WCL 6351 - Frames of Modernity **Credit Hours: 3.0**

WCL 6352 - Postmodernity & Globalization **Credit Hours: 3.0**

WCL 6353 - Frames of Modernity III: Classics and Modernity **Credit Hours: 3.0**

3.0 hrs. in 6000-level history course related to target culture

15.0 hrs. selected from 6000-level courses taught in German

6.0 hrs. in theory, cultural studies, film / visual studies, translation studies, architectural or art history, philosophy, pedagogy, or other courses relevant to the core, taught in MCL or other departments

Italian:



WCL 6351 - Frames of Modernity **Credit Hours: 3.0**

WCL 6352 - Postmodernity & Globalization **Credit Hours: 3.0**

or

WCL 6353 - Frames of Modernity III: Classics and Modernity **Credit Hours: 3.0**

3.0 hrs. in 6000-level history course related to target culture

6.0 hrs. in theory, cultural studies, film/visual studies, translation studies, architectural or art history, philosophy, pedagogy, or other courses relevant to the core, taught in MCL or other departments

ITAL 6305 - Teaching Italian as a Foreign Language **Credit Hours: 3.0**

ITAL 6306 - Advanced Italian Cinema **Credit Hours: 3.0**

ITAL 6308 - Italian Heritage **Credit Hours: 3.0**

ITAL 6397 - Selected Topics in Italian Literature **Credit Hours: 3**

ITAL 6398 - Special Problems Ital Culture **Credit Hours: 3.0**

European Cultural Studies with French, German or Italian Core:

3.0 hrs. in European history

15.0 hrs. in French, German, or Italian cultural and literary studies including at least 6 hrs. in one target language (primary area of concentration)

6.0 hrs. in theory, cultural studies, film/visual studies, translation studies, architectural or art history, philosophy, pedagogy, publishing skills, or other courses outside of but related to the student's core emphasis

6.0 hours selected from:

WCL 6351 - Frames of Modernity **Credit Hours: 3.0**

WCL 6352 - Postmodernity & Globalization **Credit Hours: 3.0**

WCL 6353 - Frames of Modernity III: Classics and Modernity **Credit Hours: 3.0**

Latin American and Latino Cultural Studies:

3.0 hours in Latin American history

15.0 hours in Latin American and Latino cultural and literary studies courses

6.0 hours in theory, cultural studies, film/visual studies, translation studies, architectural or art history, philosophy, pedagogy, publishing skills, or other courses outside of but related to the student's core emphasis.

6.0 hours selected from:

WCL 6351 - Frames of Modernity **Credit Hours: 3.0**

WCL 6352 - Postmodernity & Globalization **Credit Hours: 3.0**

WCL 6353 - Frames of Modernity III: Classics and Modernity **Credit Hours: 3.0**

Global Cinema Studies:

6.0 hours selected from:

WCL 6351 - Frames of Modernity **Credit Hours: 3.0**

WCL 6352 - Postmodernity & Globalization **Credit Hours: 3.0**

WCL 6353 - Frames of Modernity III: Classics and Modernity **Credit Hours: 3.0**

3.0 hours in:

WCL 6379 - Critical Theory & Globalization **Credit Hours: 3.0**

Upon prior approval of the Director of WCL, courses allowed as substitutes may be chosen among:

ANTH 6340 - Anthropology and Literature **Credit Hours: 3.0**



ARTH 6301 - Critical Theory **Credit Hours: 3.0**
COMM 6360 - Crit Theory in Media & Culture **Credit Hours: 3.0**
ECON 6368 - International Economics **Credit Hours: 3.0**
ENGL 6315 - Crit Cultural Theory **Credit Hours: 3.0**
HIST 6391 - World Hist Theory & Teaching **Credit Hours: 3.0**
PHIL 6356 - Feminist Philosophy **Credit Hours: 3.0**
SPAN 7304 - Critical Theory **Credit Hours: 3.0**
POLS 6345 - History of Political Theory **Credit Hours: 3**

6.0 hours in:

WCL Culture / Literature courses offered by other Departments upon prior approval of the Director of WCL. Courses allowed as substitutes may be chosen among 6000-level courses in English, Philosophy, and Spanish.

15.0 hours of film/culture courses chosen among:

CHIN 6350 - Studies in Chinese Cinema **Credit Hours: 3**
CLAS 6381 - Latin Classics in Translation **Credit Hours: 3.0**
FREN 6318 - French Cinema **Credit Hours: 3.0**
FREN 6321 - Francophone Cinema **Credit Hours: 3.0**
ITAL 6306 - Advanced Italian Cinema **Credit Hours: 3.0**
WCL 6355 - Utopias and Dystopias **Credit Hours: 3.0**
WCL 6356 - Studies in World Film and Film Theory **Credit Hours: 3.0**
WCL 6357 - Studies in National and Transnational Cinema **Credit Hours: 3.0**
WCL 6358 - Studies in Asian Cinema **Credit Hours: 3.0**
WCL 6359 - World Film, Gender, and Sexuality **Credit Hours: 3.0**
WCL 6364 - Holocaust Representations **Credit Hours: 3.0**
WCL 6366 - Latin American & Latino Film Studies **Credit Hours: 3.0**
WCL 6365 - World Documentary Film **Credit Hours: 3.0**

Comparative Literary and/or Cultural Studies:

3.0 hrs. in history related to student's primary area of concentration
9.0 hrs. of literature/culture courses in language related to student's primary area of concentration
6.0 hrs. of literature/culture courses in secondary area of concentration

6.0 hours in:

WCL 6351 - Frames of Modernity **Credit Hours: 3.0**
WCL 6352 - Postmodernity & Globalization **Credit Hours: 3.0**
WCL 6353 - Frames of Modernity III: Classics and Modernity **Credit Hours: 3.0**

6.0 hours in:

WCL 6379 - Critical Theory & Globalization **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies
Academic Policies: College of Liberal Arts and Social Sciences

Graduate Certificate



Applied Linguistics in Teaching Chinese Certificate

College of Liberal Arts and Social Sciences > Department of Modern and Classical Languages > Applied Linguistics in Teaching Chinese Certificate

The Graduate Certificate: Applied Linguistics in Teaching Chinese is a nine (9) credit postbaccalaureate program offered by the Chinese Studies Program, Department of Modern and Classical Languages (MCL). It is open to individuals interested in enhancing their knowledge and skills in Chinese language, culture, and teaching Chinese as a second language.

Certificate Requirements

Certificate Total: 9.0 Credit Hours

Course Requirements

3.0 Credit Hours

CHIN 6373 - Chinese Second Language Curriculum Design and Instruction **Credit Hours: 3**

Elective Course Options

6.0 Credit Hours

Knowledge and Skills and Pedagogical Grammar

3.0 Credit Hours

CHIN 6366 - History of the Chinese Language **Credit Hours: 3**

CHIN 6371 - Teaching Chinese as a 2nd Language **Credit Hours: 3**

Research

3.0 Credit Hours

CHIN 6367 - Sociolinguistic Fieldwork Methods **Credit Hours: 3**

CHIN 6372 - Studies of Chinese Language Acquisition **Credit Hours: 3**

Academic Policies

University Academic Policies

Academic Policies: College of Liberal Arts and Social Sciences

Global Cinema Studies Certificate

College of Liberal Arts and Social Sciences > Department of Modern and Classical Languages > Global Cinema Studies Certificate



The Graduate Certificate in Global Cinema Studies is a nine-hour disciplinary concentration. It is open to students in all UH graduate and professional degree programs. It is also open to students seeking a graduate certificate only, teachers and professionals interested in enhancing their knowledge of transnational cinema. The Graduate Certificate in Global Cinema Studies introduces students to advanced discussions, analyses, and theoretical perspectives in the discipline of World Cinema. Global Cinema Studies address the human experience from multi-ethnic and multi-cultural perspectives, and are particularly suited to the UH diverse student population and the enhancement of transcultural awareness. The courses are open to all graduate students, either in World Cultures and Literatures or in other disciplines. The Certificate will increase their chances to securing a job in the growing national and transnational market for communication and entertainment which requires cultural flexibility and a certain degree of knowledge in visual culture extending beyond U.S. cinema.

Admission Requirements

Students apply through the online graduate application and submit
official transcripts (minimum of 3.0 GPA in last 60 hrs.),
two letters of recommendation, and
the Graduate Certificate Application.

Students who are already in a UH graduate degree program, and are interested in the Graduate Certificate in Global Cinema Studies must

submit the Graduate Certificate Application via e-mail to acarrera@uh.edu and mercolani@uh.edu, or via mail to:
Director of Graduate Studies, WCL,
Department of Modern and Classical Languages
University of Houston
3553 Cullen Boulevard, Room 612
Houston, TX 77204-3006

Certificate Requirements

Certificate Total: 9.0 Credit Hours

The Graduate Certificate in Global Cinema Studies requires nine hours in film courses. Students will take WCL 6356 (World Film and Film Theory) plus two other graduate courses in national and/or transnational cinema, Asian cinema, gender and cinema, or courses with a strong cinema component selected from among the courses offered at the Department of Modern and Classical Languages. Students enrolled in other Departments will take WCL 6356 plus at least one course selected from among the cinema courses listed below. The remaining three hours may be selected from among cinema courses offered in other departments, upon prior approval of the director of the Graduate Program in World Cultures & Literatures.

GCS Core Course

3.0 Credit Hours

Taught in English

WCL 6356 - Studies in World Film and Film Theory **Credit Hours: 3.0**

Elective Course Options

6.0 Credit Hours

Electives - Taught in English



WCL 6357 - Studies in National and Transnational Cinema **Credit Hours: 3.0**
WCL 6358 - Studies in Asian Cinema **Credit Hours: 3.0**
WCL 6359 - World Film, Gender, and Sexuality **Credit Hours: 3.0**
WCL 6364 - Holocaust Representations **Credit Hours: 3.0**
WCL 6365 - World Documentary Film **Credit Hours: 3.0**
WCL 6366 - Latin American & Latino Film Studies **Credit Hours: 3.0**
WCL 6355 - Utopias and Dystopias **Credit Hours: 3.0**

Electives - Taught in English or Other Language

The following courses are taught either in English or in the language of the concentration to which they belong. Graduate students will have to check with the instructor before enrolling. Students will get language credit if they write their papers in the language of the course's concentration.

CHIN 6350 - Studies in Chinese Cinema **Credit Hours: 3**
FREN 6318 - French Cinema **Credit Hours: 3.0**
FREN 6321 - Francophone Cinema **Credit Hours: 3.0**
ITAL 6306 - Advanced Italian Cinema **Credit Hours: 3.0**

Academic Policies

University Academic Policies
Academic Policies: College of Liberal Arts and Social Sciences

Department of Philosophy

Master

Philosophy, MA

College of Liberal Arts and Social Sciences > Department of Philosophy > Philosophy, MA

Admission Requirements

For unconditional admission to the Master of Arts program in philosophy, applicants must normally have completed 18 term hours in philosophy at an accredited institution, including courses that are the equivalents of those required for our bachelor's degree:

Two courses in the history of western philosophy, one of which must cover either Ancient Philosophy or Early Modern Philosophy
Ethics
Logic I

Applicants must have a grade point average of at least 3.33 (A=4.00) on the last 60 hours of course credit. Unconditional admission also requires that applicants have acceptable scores on the Graduate Record Examination. Admission is possible if some course requirements have not been met, provided that GPA and GRE scores are strong. However, these requirements will need to be completed early in the student's graduate career and lower division course work done in satisfying these requirements will not count toward the term hours required for the master's degree.



Applicants who do not have the course requirements for unconditional admission may be admitted conditionally, on the understanding that such requirements must be satisfied after entering the program; Conditional admission may also be granted to applicants who do not satisfy the grade requirements for unconditional admission if 1) their overall grade point average on the last 60 hours of course credit is at least a 2.67 (A=4.00); 2) their grade point average in philosophy courses is at least a 3.00 (A=4.00), and 3) their scores on the Graduate Record Examination are high enough to indicate probable success in the program.

Degree Requirements

Candidates must complete either 30 or 36 term hours in courses numbered 6000 or above for which graduate credit is accepted by the department. These courses must include 18 term hours in regular graduate seminars in the department. Courses taken outside the department will count toward the required hours only with the approval of the director of graduate studies. An arrangement exists with Rice University's Philosophy Department that allows students in our program to take graduate level courses they offer. These courses qualify as being taken in our department, but they do not qualify as seminars.

Plan I (Thesis Option)

Candidates choosing this plan must complete a thesis, and the 6 hours of thesis courses will count as part of the 30 hours required for the degree. At least 24 of the required 30 hours must be taken in the Department of Philosophy. Students taking the thesis option must have an A- average in their first year of graduate study in the program

Plan II (Non-thesis Option)

Candidates must complete 36 term hours of approved courses, of which 30 hours must be taken in the Department of Philosophy. In addition, candidates must submit to the director of graduate studies, by the middle of their final term a copy of the term paper they judge to be best. The paper should be revised and corrected in light of further consultation with the professor in the seminar.

Department of Political Science

Master

Political Science, MA

The department offers programs of study leading to the Master of Arts degree in political science and the Master of Arts degree in public administration. For more information about the Master of Arts degree in public administration, refer to the public administration program in this section of the catalog. Course offerings in political science cover the following general topics: American politics, public policy, public administration, public law, political theory, research methods, and comparative politics.

Admission Requirements

In addition to meeting the college graduate admission requirements, applicants must meet the following minimum requirements for unconditional admission to the Master of Arts in Political Science program:

Applicants must have a baccalaureate degree from an accredited institution, at least a 3.00 grade point average (A=4.00) in the most recent 60 term hours of undergraduate or graduate courses and have taken the Graduate Record Examination (GRE).



A satisfactory score of 550 on the TOEFL paper-based exam or 213 for the computer-based exam or 79 on the Internet-based TOEFL (iBT) is generally acceptable proof of English proficiency for international students. Applicants should prepare a one-to two-page statement of purpose and should also submit three letters of recommendation, preferable from professors directly familiar with their academic work. Go to <http://www.polsci.uh.edu/graduate/graduate.html> and click on graduate then admissions for more information on admissions requirements.

Political Science students are generally admitted only in the Fall term. However, Spring and Summer admissions are decided on a space available basis. The deadlines for submitting applications are February 15 for the Fall term and October 1 for the Spring term. Applications are judged on a competitive basis by the Department's Graduate Committee.

The program offers two MA options as follows:

MA degrees are awarded to students in one of the following categories:

Those whose educational objective is a Master's degree and do not wish to proceed to the degree of PhD;

Those who do not meet the requirements for the degree of PhD and who are advised to obtain a terminal Master's degree;

Those who are proceeding towards a PhD but wish the Master's credential for professional purposes.

Thirty to thirty-six term hours of approved course work, at least 24 term hours of which must be at the 6000 level or above, is required. Also, at least 27 hours of credit for the Master's degree must be earned in residence at the University of Houston campus. No more than 6 term hours of transferred course work may be applied to the Master of Arts degree. Determination of course equivalency of transferred work resides with the Director of Graduate Studies and the Graduate Committee. Credit for post baccalaureate courses will not be given. A degree plan should be completed, in consultation with the Director of Graduate Studies, within the first 12 hours of course work and filed with the Graduate Office. A Master's degree program must be completed within five years of the date of enrollment at the University of Houston.

There are 3 plans under which graduate students can earn a Master of Arts degree:

MA Plan I: 30 hours of coursework and 6 hours of Master's thesis hours;

MA Plan II (Terminal Degree): 33 hours of coursework and 3 hours of Bibliographic Essay hours;

MA by Examination: This program is designed to provide an interim professional qualification for candidates who are in the process of working towards a PhD. Candidates who pass the Comprehensive Examinations for the PhD degree may petition to have this pass recognized as fulfilling the requirements for a Master of Arts degree.

For more information on the degree requirements and types of degrees, please refer to the Graduate Programs page.

Doctoral

Political Science, PhD

The graduate program of the Department of Political Science provides advanced training in the discipline of political science to students whose career goals include college teaching and advanced research.

The department is organized into six major subfields: American politics, comparative politics, international relations, political theory, quantitative methods, and public policy. Students take comprehensive exams in a major and minor subfield of their choice.

Recent graduates of the PhD program have obtained teaching positions at colleges and universities throughout the U.S. and abroad.

Admission Requirements



In addition to meeting the college graduate admission requirements, applicants must meet the following minimum requirements for unconditional admission to the Ph.D. in Political Science program:

Applicants must have a baccalaureate degree from an accredited institution by the date of enrollment with at least a 3.00 grade point average (A = 4.00) in the most recent 60 hours of undergraduate course work and at least a 3.0 cumulative grade point average for any graduate level courses.

International applicants have further documentation requirements, including proof of English language proficiency, which are described on the International Graduate Students website.

Applicants should prepare a one-to two-page statement of purpose.

Secure three letters of recommendation from professors directly familiar with the student's work.

Application fee (\$65 domestic applicants/\$140 international applicants).

Political Science students are generally admitted only in the Fall semester. However, Spring admissions are decided on a space available basis.

Degree Requirements

Credit hours required for this degree: 57.0

A minimum of 45 hours of course work is required for a political science PhD, plus at least 12 hours of dissertation credit. Students must successfully complete oral and written comprehensive examinations.

Comprehensive examinations are normally given after two and a half years of coursework, or the equivalent in terms of credit hours for part-time students. Upon successfully completing exams, students are expected to be continuously enrolled in dissertation hours until the degree is completed. Students who are not on teaching fellowships may enroll for as little as 3 dissertation hours per semester (this includes the summer), but note that a student must enroll for a minimum of 12 dissertation hours prior to completion of the degree. Following the completion of a dissertation, students must participate in an oral dissertation defense. Students who enroll as doctoral candidates must complete their degree requirements within 10 years of the date of first enrollment with a doctoral degree objective. Failure to comply will result in the candidate being ineligible for the doctoral degree. Doctoral students who fail to complete the dissertation within 5 years after passing the comprehensive examination must retake the examination.

Core Courses

12.0 Credit Hours

All students intending to obtain a PhD must take the three required core courses in their first two years in the program, or, in the case of part-time students, as soon as practically possible. Students who are admitted to the PhD program with financial support must enroll in the department's core courses during their first year in the program.

POLS 6380 - Quantitative Methods I **Credit Hours: 3**

POLS 6381 - Quantitative Methods II **Credit Hours: 3**

POLS 6382 - Quantitative Methods III: Maximum Likelihood Estimation **Credit Hours: 3**

The core curriculum is designed to provide beginning PhD students with a broad overview of important topics in Political Science. For the beginning student, the core should provide the necessary background to select areas for further concentrated study. The methodological component of the core (POLS 6480 and POLS 6481) is designed to provide the student with the appropriate statistical foundation to become an informed consumer of Political Science research and to set the stage for the student to perform research of his/her own.

Degree Plan



During the last term of core course work students should develop a degree plan in consultation with the Director of Graduate Studies and the student's academic adviser. Students must select two areas of study in Political Science in which to concentrate. One of the chosen areas is designated a student's major area, and a minimum of twelve credit hours (four courses) is required in this area. In the minor area of study, nine credit hours (three courses) are required as a minimum. Students will also have six hours (two courses) in elective courses which can be taken in any area chosen.

It is required that students with a major or minor in American Politics take at least one course from each of the following two subsets:

- Elections, Public Opinion, Psychology and Politics
- Legislative Process, The Presidency, Political Parties

Tools Requirement

The tools requirement exists for the purpose of assuring competence in the methods necessary for effective scholarship in the student's chosen specialty. Each student must complete two relevant research courses (6 hours) beyond POLS 6480 and POLS 6481. Choice of possible tool offerings should in all cases be guided by the question of appropriateness for the student's academic interest. Students should consult with their advisor about the most appropriate courses for them. In all cases, the student's choice of tool requirements must be approved by the Director of Graduate Studies.

Among the possible course offerings that may satisfy the requirement area:

A. Political methodology courses:

- POLS 6480 - Quantitative Methods I **Credit Hours: 4**
- POLS 6482 - Quantitative Methods III: Maximum Likelihood Estimation **Credit Hours: 4**
 Plus one additional course (for instance,
- POLS 6384 - Survey Research Methods **Credit Hours: 3** ,
- POLS 6385 - Time Series Methods **Credit Hours: 3** , or
- POLS 6386 - Measurement Theory for Political Science **Credit Hours: 3**

B. Computer Applications at a more advanced level than POLS 6480 and POLS 6481.

C. Foreign language (in rare instances).

D. Other research methods specifically relevant to the dissertation research of the student.

Degree Path

In most cases, the American politics core course and the first two courses in the methods sequence should be completed in the student's first year. Progress toward degree will normally take a path similar to the following:

Year One:	Year Two:	Year Three:
1. Research Design (POLS 6302)	7. Tools (1)	13. Major (4)
2. Methods (POLS 6480)	8. Major (2)	14. Elective (2)



3. Elective (1)	9. Minor (2)	15. Prospectus seminar
4. Methods (POLS 6481)	10. Tools (2)	
5. Major (1)	11. Major (3)	
6. Minor (1)	12. Minor (3)	

Academic Policies

University of Houston Academic Policies

Academic Policies: College of Liberal Arts and Social Sciences

Students must also successfully complete oral and written comprehensive exams. Upon successfully completing comprehensive exams, students are expected to be continuously enrolled in dissertation hours (a minimum of 12 dissertation hours must be completed prior to the completion of the degree). Upon completion of the dissertation, the student will participate in an oral dissertation defense.

SATISFACTORY PROGRESS TOWARD THE DEGREE

Every spring term the department's faculty meets to review the progress of all students in the department's PhD program. This review will usually involve consultation with all faculty members who have taught the student during the previous two semesters. The Director of Graduate Studies will refer to the Graduate Committee for review any students who do not seem to be making adequate progress toward the PhD degree.

Students are expected to meet the following minimum standards:

- maintain a 3.0 grade point average,
- receive one A or A- for every three courses completed, and
- carry on their transcripts no more than two incompletes at any one time (except in cases of medical emergency, which must be documented to the satisfaction of the Director of Graduate Studies).

Students who have not met these minimal requirements will be deemed not to have made satisfactory progress. After having registered for 18 hours or more of course credit, students who have not made satisfactory progress will be counseled by the graduate committee and given the opportunity to explain what steps they will take to improve their performance in the future. Such students will be advised that they are in jeopardy of losing financial support or being expelled from the political science PhD program. A letter to that effect will be entered into each student's file. These students will be given a probationary term to improve their grades and/or to remove incompletes from their records.

Students who have any incompletes or have not achieved grades of A or A- for one third of their graduate credit hours will not be permitted to take doctoral comprehensive exams. Full-time students will normally take their exams after their third year. Part-time students must complete a minimum of 48 hours of course credit before taking comprehensive exams.

Independent of the "progress review", the Director of Graduate Studies is responsible each term for monitoring whether students are making satisfactory progress toward their degrees, discussing the situation with the student, and reporting and making recommendations to the Graduate Committee regarding any student failing to make satisfactory progress.

Students in the Political Science Graduate Program who are not doing satisfactory work may be advised to pursue the MA degree only and not go on for the PhD. Depending on how many courses they have completed at the point such advice is given, these students may choose either the Plan I MA (which requires a thesis) or a Plan II MA (which requires more course work and a



bibliographic essay). Students who are not doing satisfactory work will receive a letter from the department notifying them of this. Any student who fails to make satisfactory progress may be suspended from the Graduate Program by the Director of Graduate Studies. A student may appeal a suspension to the Graduate Committee.

Dual Degree - Accelerated Pathway

Political Science, Accelerated BA/MA

College of Liberal Arts and Social Sciences > Department of Political Science > Political Science, Accelerated BA/MA

Program Description

This program allows outstanding Political Science majors to complete their BA and MA at UH in five years. This program saves students a year of time and tuition, and gives them a graduate degree that can help them be more competitive in the job market and on their applications to grad school and law school.

Political Science, MA

Interested students should submit a preliminary application in their Junior year by April 15. If admitted into the program, students would begin taking graduate-level courses in the Fall of their Senior year.

Shared Course Credit

The most important feature of the program is that 6 term hours of graduate-level courses can be used as dual credit for both the BA and the MA degrees. All other requirements for the degrees must still be fulfilled.

Application Process

To be eligible for the program, students must maintain a minimum of 3.33 GPA.

Preliminary Application: the first stage of the application process begins in the student's Junior year. This application consists of a statement of purpose, unofficial transcripts, and one letter of recommendation. The application would be evaluated by the Graduate Committee in the Political Science department. Acceptance at this stage only means that a student may begin taking graduate courses his/her Senior year.

Full Graduate Application: Students accepted at the preliminary stage must still apply normally to the Political Science department. They would do so in February of their Senior year. The details for application can be found here:

<http://www.uh.edu/class/political-science/graduate/admissions/index.php>

Capstone Seminar Paper

The capstone project consists in a qualifying paper. This paper should be of sufficient quality to be presented at an academic conference or to be submitted for publication.



Sample Schedule

Spring Junior Year	Preliminary Application due by April 15
Fall Senior Year	3 credits double counted to BA & MA 3 credits to be transferred to MA
Spring Senior Year	3 credits double counted to BA & MA 3 credits to be transferred to MA Full Application due February 15
Summer before 5 th year	3 credits
Fall 5 th year	9 credits
Spring 5 th year	9 credits
Summer after 5 th year	3 credits (Capstone Project)
Total	36 SCH

Department of Psychology

Joint Programs

Measurement, Quantitative Methods, and Learning Sciences, PhD

Doctoral

Clinical Psychology, PhD

College of Liberal Arts and Social Sciences > Department of Psychology > Clinical Psychology, PhD

Admission Requirements

The Doctor of Philosophy degree in Psychology is offered in the areas of clinical, developmental, industrial/organizational, and social psychology. The department of psychology only accepts full-time graduate students.

In addition to meeting the college graduate admission requirements, applicants must meet the following minimum requirements for unconditional admission to the Ph.D. in Psychology program:

Requirements include either a baccalaureate degree in psychology or an undergraduate degree that includes 24 semester hours in psychology; a 3.00 (A=4.00) grade point average in the most recent 60 semester hours of undergraduate or graduate courses; Graduate



Record Examination (GRE) scores; three letters of recommendation; and a goals statement. (Verbal, quantitative, and analytical writing GRE scores are examined separately and evaluated as one information source in the total application.)

The psychology department admits only students whose objective is a Doctor of Philosophy degree. Admission is for the fall term only, with a December 1 deadline for the Clinical Psychology program. Prospective students should apply directly to the department.

Between 10 and 15 students are accepted annually from approximately 400 applicants. Successful applicants have approximately a 3.50 (A=4.00) grade point average and average scores in at least the 70th percentile on both the GRE verbal and quantitative tests.

Application information may be found at the Psychology Department website.

Doctor of Philosophy Program

Program Requirements

Master of Arts Degree (36 semester hours)

Department Core:

PSYC 6300 - Stat for Psy **Credit Hours: 3.0**

PSYC 6302 - Experimental Dsgn **Credit Hours: 3.0**

Research or applied practica. Credit Hours: 12.0

Major Concentration. Credit Hours: 12.0

Thesis Research:

PSYC 6399 - Masters Thesis **Credit Hours: 3**

PSYC 7399 - Masters Thesis **Credit Hours: 3**

Doctor of Philosophy Degree (36 semester hours)

PSYC 6301 - Psychological Theory His/Sys **Credit Hours: 3.0**

Major area, minor area, and specified related courses. Credit Hours: 15.0

Distribution electives taken from foundation courses or equivalents. Credit Hours: 6.0

Disstertation Research. Credit Hours: 12.0

taken from:

PSYC 8399 - Doctoral Dissertation **Credit Hours: 3**

PSYC 8699 - Doctoral Dissertation **Credit Hours: 6**

PSYC 8999 - Doctoral Dissertation **Credit Hours: 9**

Total (minimum) 72

Students must also complete a thesis, dissertation, comprehensive examination, and any special requirements of the major area of concentration.



Special Academic Regulations

Three grades of C or lower during the course of the graduate program are grounds for automatic dismissal. The master's degree should be completed within two years after admission to graduate school. The Ph.D. degree is expected to be completed by students within four years after admission to graduate school for those areas not requiring internship, externship, or practicum, and within five years after admission for those areas requiring internship, externship, or practicum. The maximum expected time allowed for the completion of the Ph.D. degree after admission is six years for those areas not requiring an internship, externship, or practicum and seven years for those areas requiring internship, externship, or practicum. A satisfactory rate of progress toward completion of the degree requirements is required throughout enrollment. The department may terminate a student's enrollment at any time if the rate of progress or academic performance is not satisfactory.

Industrial/Organizational Psychology, PhD

College of Liberal Arts and Social Sciences > Department of Psychology > Industrial/Organizational Psychology, PhD

Admission Requirements

The Doctor of Philosophy degree in Psychology is offered in the areas of clinical, developmental, industrial/organizational, and social psychology. The department of psychology only accepts full-time graduate students.

In addition to meeting the college graduate admission requirements, applicants must meet the following minimum requirements for unconditional admission to the Ph.D. in Psychology program:

Requirements include either a baccalaureate degree in psychology or an undergraduate degree that includes 24 semester hours in psychology; a 3.00 (A=4.00) grade point average in the most recent 60 semester hours of undergraduate or graduate courses; Graduate Record Examination (GRE) scores; three letters of recommendation; and a goals statement. (Verbal, quantitative, and analytical writing GRE scores are examined separately and evaluated as one information source in the total application.)

The psychology department admits only students whose objective is a Doctor of Philosophy degree. Admission is for the fall term only, with a January 15 deadline for the I/O Psychology program. Prospective students should apply directly to the department.

Between 5 and 10 students are accepted annually from approximately 150 applicants. Successful applicants have approximately a 3.50 (A=4.00) grade point average and average scores in at least the 70th percentile on both the GRE verbal and quantitative tests.

Application information may be found at the Psychology Department website.

Doctor of Philosophy Program

Program Requirements

Master of Arts Degree (36 semester hours)

Department Core:

PSYC 6300 - Stat for Psy **Credit Hours: 3.0**

PSYC 6302 - Experimental Dsgn **Credit Hours: 3.0**

Research or applied practica. Credit Hours: 12.0



Major Concentration. Credit Hours: 12.0

Thesis Research:

PSYC 6399 - Masters Thesis **Credit Hours: 3**

PSYC 7399 - Masters Thesis **Credit Hours: 3**

Doctor of Philosophy Degree (36 semester hours)

PSYC 6301 - Psychological Theory His/Sys **Credit Hours: 3.0**

Major area, minor area, and specified related courses. Credit Hours: 15.0

Distribution electives taken from foundation courses or equivalents. Credit Hours: 6.0

Disstertation Research. Credit Hours: 12.0

taken from:

PSYC 8399 - Doctoral Dissertation **Credit Hours: 3**

PSYC 8699 - Doctoral Dissertation **Credit Hours: 6**

PSYC 8999 - Doctoral Dissertation **Credit Hours: 9**

Total (minimum) 72

Students must also complete a thesis, dissertation, comprehensive examination, and any special requirements of the major area of concentration.

Special Academic Regulations

Three grades of C or lower during the course of the graduate program are grounds for automatic dismissal. The master's degree should be completed within two years after admission to graduate school. The Ph.D. degree is expected to be completed by students within four years after admission to graduate school for those areas not requiring internship, externship, or practicum, and within five years after admission for those areas requiring internship, externship, or practicum. The maximum expected time allowed for the completion of the Ph.D. degree after admission is six years for those areas not requiring an internship, externship, or practicum and seven years for those areas requiring internship, externship, or practicum. A satisfactory rate of progress toward completion of the degree requirements is required throughout enrollment. The department may terminate a student's enrollment at any time if the rate of progress or academic performance is not satisfactory.

Integrative Program in Developmental, Cognitive, and Behavioral Neuroscience, PhD

College of Liberal Arts and Social Sciences > Department of Psychology > Integrative Program in Developmental, Cognitive, and Behavioral Neuroscience, PhD

Admission Requirements



The Doctor of Philosophy degree in Psychology is offered in the areas of clinical, developmental, industrial/organizational, and social psychology. The department of psychology only accepts full-time graduate students.

In addition to meeting the college graduate admission requirements, applicants must meet the following minimum requirements for unconditional admission to the Ph.D. in Psychology program:

Requirements include either a baccalaureate degree in psychology or an undergraduate degree that includes 24 semester hours in psychology; a 3.00 (A=4.00) grade point average in the most recent 60 semester hours of undergraduate or graduate courses; Graduate Record Examination (GRE) scores; three letters of recommendation; and a goals statement. (Verbal, quantitative, and analytical writing GRE scores are examined separately and evaluated as one information source in the total application.)

The psychology department admits only students whose objective is a Doctor of Philosophy degree. Admission is for the fall term only, with a December 1 deadline for the Developmental Psychology program. Prospective students should apply directly to the department.

Between 5 and 10 students are accepted annually from approximately 40 applicants. Successful applicants have approximately a 3.50 (A=4.00) grade point average and average scores in at least the 70th percentile on both the GRE verbal and quantitative tests.

Application information may be found at the Psychology Department website.

Doctor of Philosophy Program

Program Requirements

Master of Arts Degree (36 semester hours)

Department Core:

PSYC 6300 - Stat for Psy **Credit Hours: 3.0**

PSYC 6302 - Experimental Dsgn **Credit Hours: 3.0**

Research or applied practica. Credit Hours: 12.0

Major Concentration. Credit Hours: 12.0

Thesis Research:

PSYC 6399 - Masters Thesis **Credit Hours: 3**

PSYC 7399 - Masters Thesis **Credit Hours: 3**

Doctor of Philosophy Degree (36 semester hours)

PSYC 6301 - Psychological Theory His/Sys **Credit Hours: 3.0**

Major area, minor area, and specified related courses. Credit Hours: 15.0

Distribution electives taken from foundation courses or equivalents. Credit Hours: 6.0

Disstertation Research. Credit Hours: 12.0

taken from:

PSYC 8399 - Doctoral Dissertation **Credit Hours: 3**



PSYC 8699 - Doctoral Dissertation **Credit Hours: 6**

PSYC 8999 - Doctoral Dissertation **Credit Hours: 9**

Total (minimum) 72

Students must also complete a thesis, dissertation, comprehensive examination, and any special requirements of the major area of concentration.

Special Academic Regulations

Three grades of C or lower during the course of the graduate program are grounds for automatic dismissal. The master's degree should be completed within two years after admission to graduate school. The Ph.D. degree is expected to be completed by students within four years after admission to graduate school for those areas not requiring internship, externship, or practicum, and within five years after admission for those areas requiring internship, externship, or practicum. The maximum expected time allowed for the completion of the Ph.D. degree after admission is six years for those areas not requiring an internship, externship, or practicum and seven years for those areas requiring internship, externship, or practicum. A satisfactory rate of progress toward completion of the degree requirements is required throughout enrollment. The department may terminate a student's enrollment at any time if the rate of progress or academic performance is not satisfactory.

Social Psychology, PhD

College of Liberal Arts and Social Sciences >Department of Psychology >Social Psychology, PhD

Admission Requirements

The Doctor of Philosophy degree in Psychology is offered in the areas of clinical, developmental, industrial/organizational, and social psychology. The department of psychology only accepts full-time graduate students.

In addition to meeting the college graduate admission requirements, applicants must meet the following minimum requirements for unconditional admission to the Ph.D. in Psychology program:

Requirements include either a baccalaureate degree in psychology or an undergraduate degree that includes 24 semester hours in psychology; a 3.00 (A=4.00) grade point average in the most recent 60 semester hours of undergraduate or graduate courses; Graduate Record Examination (GRE) scores; three letters of recommendation; and a goals statement. (Verbal, quantitative, and analytical writing GRE scores are examined separately and evaluated as one information source in the total application.)

The psychology department admits only students whose objective is a Doctor of Philosophy degree. Admission is for the fall term only, with a January 15 deadline for the Social Psychology program. Prospective students should apply directly to the department.

Between 5 and 10 students are accepted annually from approximately 100 applicants. Successful applicants have approximately a 3.50 (A=4.00) grade point average and average scores in at least the 70th percentile on both the GRE verbal and quantitative tests.

Application information may be found at the Psychology Department website.

Doctor of Philosophy Program

Program Requirements



Master of Arts Degree (36 semester hours)

Department Core:

PSYC 6300 - Stat for Psy **Credit Hours: 3.0**

PSYC 6302 - Experimental Dsgn **Credit Hours: 3.0**

Research or applied practica. Credit Hours: 12.0

Major Concentration. Credit Hours: 12.0

Thesis Research:

PSYC 6399 - Masters Thesis **Credit Hours: 3**

PSYC 7399 - Masters Thesis **Credit Hours: 3**

Doctor of Philosophy Degree (36 semester hours)

PSYC 6301 - Psychological Theory His/Sys **Credit Hours: 3.0**

Major area, minor area, and specified related courses. Credit Hours: 15.0

Distribution electives taken from foundation courses or equivalents. Credit Hours: 6.0

Disstertation Research. Credit Hours: 12.0

taken from:

PSYC 8399 - Doctoral Dissertation **Credit Hours: 3**

PSYC 8699 - Doctoral Dissertation **Credit Hours: 6**

PSYC 8999 - Doctoral Dissertation **Credit Hours: 9**

Total (minimum) 72

Students must also complete a thesis, dissertation, comprehensive examination, and any special requirements of the major area of concentration.

Special Academic Regulations

Three grades of C or lower during the course of the graduate program are grounds for automatic dismissal. The master's degree should be completed within two years after admission to graduate school. The Ph.D. degree is expected to be completed by students within four years after admission to graduate school for those areas not requiring internship, externship, or practicum, and within five years after admission for those areas requiring internship, externship, or practicum. The maximum expected time allowed for the completion of the Ph.D. degree after admission is six years for those areas not requiring an internship, externship, or practicum and seven years for those areas requiring internship, externship, or practicum. A satisfactory rate of progress toward completion of the degree requirements is required throughout enrollment. The department may terminate a student's enrollment at any time if the rate of progress or academic performance is not satisfactory.

Public Administration Program



Our Mission

The Master of Public Administration Program (MPA) provides higher levels of training and education for pre-service and in-service public managers, and public officials to address major public policy issues in a metropolitan scenario.

The UH MPA program was approved by the State of Texas Higher Education Coordinating Board over 40 years ago, and we have produced over 400 graduates for public service. We have been a member of the National Association of Schools of Public Administration and Affairs (NASPAA) and recognized as one of the excellent MPA programs in the nation.

Our Program

With the campus situated only a few miles from downtown Houston and in the center of over 5 million people, 133 cities, 79 independent school districts, 727 municipal utility districts, and hundreds of special districts, the University of Houston MPA Program is appropriately metropolitan driven. Students have a first-hand look at significant policy questions such as health-care, environment, immigration, energy, and transportation. Students are asked to contribute to the debate on these issues through course work and with visitors who participate in the local decision-making process. To accommodate in-service students, our courses are scheduled in the evenings, Monday - Thursday.

Master

Public Administration, MPA

The Master of Public Administration Program (MPA) provides higher levels of training and education for pre-service and in-service public managers, and public officials to address major public policy issues in a metropolitan scenario. Visit the Master of Public Administration Program website: <http://www.uh.edu/class/mpa>.

Admission Requirements

Admission to the MPA program at the University of Houston requires an undergraduate degree* from an accredited college or university with a 3.0 (B) or better grade point average in the last 60 hours of course work. The Graduate Record Exam (GRE) if required .

*An applicant (domestic or international) has to be awarded his or her undergraduate degree by the end of the prior Spring term for Fall application.

Application Deadline

All required application materials including official GRE Score report should be sent by

Spring application deadline: October 15th**

Fall application deadline: June 15th

How to apply

Applicants should submit the following required material online: <https://www.applyweb.com/uhouston/index.ftl>



A statement of purpose for pursuing an MPA degree
Three letters of reference (there is no specific form)
A hard copy of official transcripts from each university attended
A completed application form (apply to our program through the online system: <https://www.applyweb.com/uhouston/index.ftl>)
Official copy of scores from the Graduate Record Exam (GRE)*
Requesting your official score: ETS GRE website*

Exam Schedule: Please check The University of Houston Testing Center or any college near you.

*The GRE score must be sent directly from Educational Testing Service (ETS) to the University of Houston (UH Code for the GMAT/GRE is R6870). GRE Scores older than 5 years will not be accepted.

International Applicants

To apply to the MPA program, students should submit the following online: <https://www.applyweb.com/uhouston/index.ftl>

Application materials common for all applicants

A statement of purpose for pursuing an MPA degree
Three letters of reference (there is no specific form)
Two hard copies of official transcripts from each university attended
A completed application form (apply to our program through online application: <https://www.applyweb.com/uhouston/index.ftl>)
Official copy of scores from the Graduate Record Exam (GRE)

Application materials and requirements specific to International applicants

All application materials should be submitted to Office of International Admissions. Your application materials will be processed at Office of International Admissions prior to our review.

Please consult the Office of International Admissions webpage for additional application materials and criteria including TOEFL:
<http://www.uh.edu/graduate-school/international-students/>.

How to apply (International Admissions)
Steps in applying
Residency Requirements
Dates and Deadlines
Admission Criteria
Documentation
Admissions Forms
International graduate tuition and fees

UH MPA Curriculum

12 courses - 38 credit hours

The UH MPA program focuses on the management side in the public sector. The total core curriculum consists of eight courses or 26 hours. Three of the remaining four courses are electives oriented to your specialization. The Capstone Problem Project, PUBL 6325, is the final course. This results in an overall total of 12 courses or 38 hours for the MPA degree. The electives are tailored to the students' specialty needs. A full time student should be able to complete the coursework in two school years.

PUBL 6310 - Administrative Theory **Credit Hours: 3.0**
PUBL 6398 - Special Probs Publ Adm/Policy **Credit Hours: 3.0**

Topic(s):

Administrative Law and Regulations



PUBL 6313 - Fundamentals of Policy Analysis **Credit Hours: 3.0**
PUBL 6410 - Quantitative Methods I **Credit Hours: 4.0**
PUBL 6311 - Public Administration and Policy Implementation **Credit Hours: 3.0**
PUBL 6342 - Budgeting For Public Agencies **Credit Hours: 3.0**
PUBL 6350 - Public Management **Credit Hours: 3.0**
PUBL 6415 - Decision Science for Public Affairs **Credit Hours: 4.0**

Electives

Three courses are required and chosen in consultation with advisor. Electives will be tailored to the students' specialty needs and career goals using an inter-disciplinary approach across UH departments.

The elective curriculum is complemented by nine hours (three courses) in the students' area of specialization. The specialization courses are chosen by the student and must be approved by the program director.

Early in the second year of the program students are required to submit a formal statement of specialization to the MPA Director. This statement should describe the specialization and the three courses, which will be used to fulfill the requirements. Electives will be tailored to the students' specialty needs and career goals using an inter-disciplinary approach across UH departments such as:

PUBL 6321 - Seminar in Urban Politics **Credit Hours: 3.0**
PUBL 6343 - GIS for Urban Applications **Credit Hours: 3.0**
PUBL 6349 - Seminar in Non-Profit Management **Credit Hours: 3.0**

PUBL 6347 - Seminar in Health Care Policy **Credit Hours: 3.0**

cross-listed with

POLS 6315 - Health Care Policy **Credit Hours: 3.0**

PUBL 6346 - Seminar in Emergency Management **Credit Hours: 3.0**

Inter-disciplinary courses - Political Science, Business, Psychology, Economics, Law, Social Work, Architecture, and Sociology.

Note(s):

Elective courses can be taken from UT Health Science Center and Rice University through inter-institutional arrangements.

Examples of specializations include: personnel management; city management; environmental policy; higher education, and management for non-profits. Specialization courses can be taken in a variety of colleges throughout the University including Business, Social Work, Psychology, Economics, Political Science, Computer Sciences, Architecture, and Law Center. For a list of Specialization Electives see <http://www.uh.edu/class/mpa/degree-requirements/specialization/>.

Final Requirements

PUBL 6325 - Capstone Problem Project **Credit Hours: 3**

This course represents the culmination of graduate work in the MPA program. This course permits the student to demonstrate mastery of the skills and knowledge acquired in their core and specialization courses. Each student is expected to formulate and analyze a real issue of public administration, organization, or policy; to examine alternative solutions or procedures; and to make independent and specific recommendations dealing with the issue.

Students should submit project proposal to the Director prior to commencing his or her project, as projects are subject to approval by the Director.



MPA Comprehensive Exam

At or near the completion of course work, students are asked to demonstrate their familiarity with the literature in the field and their ability to apply it to problems of public administration in a one-day exam. This exam is typically taken during the last term of course work.

Internship

Determined in consultation with advisor. The internship requirement is designed for those who have not had a full time work experience in private, public, or non-profit sector.

(No credit)

Visit the Master of Public Administration website.

Department of Sociology

Master

Sociology, MA

The Department of Sociology at the University of Houston offers an MA in sociology with graduate training directed towards professional career success in both academic and non-academic fields. The Sociology department offers both a thesis track and an applied internship track for the Master's degree.

Admission Requirements

Applicants must have a BA or BS from an accredited institution, preferably with a major in sociology or any other social science. In addition, applicants should have the following credentials:

All applicants should have a 3.00 grade point average (A=4.00) on the most recent 60 term hours of undergraduate coursework (In some cases, graduate coursework hours can also be used in this calculation).

Applicants with a grade point average below 3.0 must provide a Graduate Record Examination (GRE) score that is not more than 5 years old for conditional admission.

International students must also provide a TOEFL or IELTS score that is no more than 5 years old. The TOEFL score must be 79 or higher and the combined IELTS must be 6.5 or higher.

It is highly recommended, but not required, that applicants have taken undergraduate courses in Social Theory, Social Statistics, and Research Methods.

Degree Requirements

Credit hours required for thesis/non-thesis track degree: 36.0

Thesis Track Program Requirements



SOC 6300 - Sem-Sociological Theory **Credit Hours: 3.0** (The course must be completed with a grade of B- or better.)
SOC 6302 - Research and Writing in the Social Sciences **Credit Hours: 3** (The course must be completed with a grade of B- or better.)
SOC 6304 - Social Statistics **Credit Hours: 3.0** (The course must be completed with a grade of B- or better.)
SOC 6306 - Sem in Quant Methods **Credit Hours: 3.0** (The course must be completed with a grade of B- or better.)
SOC 6311 - Qualitative Soc Methods **Credit Hours: 3.0** (The course must be completed with a grade of B- or better.)
Five additional graduate seminars (each course 3.0 Credit Hours) **Total Credit Hours: 15.0**
SOC 6399 - Master's Thesis **Credit Hours: 3.0**
SOC 7399 - Master's Thesis **Credit Hours: 3.0**

Total 36 Hours

Students must maintain a cumulative grade point average of 3.00 or above and successfully defend the thesis.

Applied Internship Track Program

SOC 6300 - Sem-Sociological Theory **Credit Hours: 3.0** (The course must be completed with a grade of B- or better.)
SOC 6302 - Research and Writing in the Social Sciences **Credit Hours: 3** (The course must be completed with a grade of B- or better.)
SOC 6304 - Social Statistics **Credit Hours: 3.0** (The course must be completed with a grade of B- or better.)
SOC 6306 - Sem in Quant Methods **Credit Hours: 3.0** (The course must be completed with a grade of B- or better.)
SOC 6311 - Qualitative Soc Methods **Credit Hours: 3.0** (The course must be completed with a grade of B or better.)
Five additional graduate seminars (each course 3.0 Credit Hours) **Total Credit Hours: 15.**
SOC 7395 - Internship in Sociology **Credit Hours: 3.0**
SOC 7396 - Internship in Sociology **Credit Hours: 3.0**

Total 36 Hours

Students must maintain a cumulative grade point average of 3.00 or above and successfully defend an internship paper.

Academic Policies

University of Houston Academic Policies
Academic Policies: College of Liberal Arts and Social Sciences

Women's, Gender, and Sexuality Studies Program

About Us

The Women's, Gender, and Sexuality Studies Program offers two undergraduate minors and a graduate certificate. Ours is an interdisciplinary program combining empirical study and theoretical frameworks to look critically at the gender dynamics of the past and present and to open discussion about shaping the world of the future. Our courses explore gender dynamics as they intersect with race, class and sexuality, within the US and internationally. WGSS students come from all disciplines. The program draws on faculty from across the



university to teach and to develop and participate in programming. The program has a strong community arm in the Friends of Women's Studies.

History

Since the early 1970s, teaching and research in Women's Studies has grown rapidly in the U.S. There are Programs and Departments focused on women's and gender studies in most US colleges and universities. The field is also well represented internationally. Women's Studies at the University of Houston was established in 1991. The Friends of Women's Studies formed in 1993, and the Women's Archive and Research Center (WARC) opened in 1996. The program added a GLBT minor in 2007, and changed our name to reflect our expanded focus.

Graduate Certificate

Women's Studies Interdisciplinary Certificate

College of Liberal Arts and Social Sciences > Women's, Gender, and Sexuality Studies Program > Women's Studies Interdisciplinary Certificate

Graduate Certificate

The Graduate Certificate in Women's Studies is a nine (9) credit interdisciplinary concentration open to students in all UH graduate and professional degree programs. The Graduate Certificate in Women's Studies adds interdisciplinary breadth to a student's course of study while increasing the depth and coherence of students' work on women and gender within their primary fields. Given the growing importance of women and gender issues in both scholarship and social policy, many students find this formal recognition of their work in Women's Studies to be a valuable credential in both academic and non-academic job markets. Students who have earned or are pursuing the Graduate Certificate also receive first consideration for Women's Studies graduate fellowships and assistantships.

Explanation of Certificate

The Graduate Certificate in Women's Studies is a 9-credit interdisciplinary concentration open to students in all UH graduate, professional degree, and post-baccalaureate programs.

Requirements for the Graduate Certificate include three (3) Women's Studies graduate courses (9 credit hours):

Required core course: WGSS 6301 - Feminist Theory & Methodology

Two (2) cross-listed courses, one of which must be from outside the student's home department.

Students may petition to substitute for one of the cross-listed courses one of the following options:

Taking a graduate course that is not cross-listed but in which they can focus their individual work (e.g. research paper) on women, gender, or feminist theory. Such a course must be taught by an affiliated Women's Studies faculty member who will certify that the student's work in the course satisfies women's studies requirements.

Taking an undergraduate course cross-listed in Women's Studies for graduate credit. Additional requirements will be determined by the instructor in accordance with university policy.

How to Apply for the Certificate Individuals interested in the Graduate Certificate in Women's Studies can fill out the online application available on the WGSS web page.

Why Certificate



The Graduate Certificate in Women's Studies adds interdisciplinary breadth to a student's course of study while increasing the depth and coherence of students' work on women and gender within their primary fields.

Given the growing importance of women and gender issues in both scholarship and social policy, many students find this formal recognition of their work in Women's Studies to be a valuable credential in both academic and non-academic job markets.

Students who have earned or are pursuing the Graduate Certificate also receive first consideration for Women's Studies graduate fellowships and assistantships. There are also opportunities to take advantage of essay contests. The fellowships, contests and assistantships process begins spring term and awards are made in May.

In addition graduate students are notified of Women's Studies events--speakers, panels, the Living Archive series, etc.



Degree Requirements- College Of Liberal Arts and Social Sciences

CLASS offers a wide variety of degrees at the master's and doctoral levels. Due to the wide range of degrees offered, students are advised to consult the Degrees Offered page listing all degrees offered in CLASS and also the departmental sections of this catalog for specific information on degree requirements of particular degrees.

General requirements for master's degrees:

All departments and some programs in the college offer master's degrees, which provide in-depth instruction and preparation, beyond the bachelor's level, in a particular field. All master's degrees require a significant amount of coursework, and all also require a master's thesis, comprehensive examination, or other capstone project or experience to attain the degree. For program tracks requiring a thesis, the thesis committee must consist of at least three faculty members, at least two of whom must come from the major department. After these minimum requirements for committee members are satisfied, additional committee members may be approved.

Master of Arts (MA)

Requires a minimum of 30-36 graduate hours in the field, depending on program and track.

Master of Athletic Training (MAT)

Requires a minimum of 57 credit hours of graduate coursework and clinical experiences.

Master of Fine Arts (MFA)

Requires a minimum of 42 graduate hours.

Master of Public Administration (MPA)

Requires a minimum of 38 graduate hours.

Master of Public Policy (MPP)

Requires a minimum of 39 graduate hours.

Master of Science (MS)

Requires a minimum of 36 graduate hours.

General Requirements for doctoral degree:

Doctor of Philosophy (PhD)



Awarding of the PhD degree signifies that the recipient has acquired a broad knowledge of the discipline and has demonstrated, by successful completion of an acceptable dissertation, research competence meeting the discipline's national standards. The PhD program requires a minimum of one academic year of full-time residence; coursework (number of required hours varies by program); enrollment in at least six semester hours of dissertation courses; and successful completion of disciplinary examinations and language requirements, at the discretion of the department.

Doctoral students' dissertation committees must be comprised of a minimum of four members to include three faculty members from the major department and one approved member external to the major department, who is acceptable to the department and the college. After these minimum requirements for committee members are satisfied, additional committee members may be approved.



College of Liberal Arts and Social Sciences

College of Liberal Arts and Social Sciences

Joint Programs

Measurement, Quantitative Methods, and Learning Sciences, PhD

College of Liberal Arts and Social Sciences

Department of African American Studies

Programs

Graduate Certificate

- African American Studies, Certificate

Jack J. Valenti School of Communication

Programs

Master

- Communication, MA

Department of Communication Sciences and Disorders

Programs

Master

- Communication Disorders, MA

Doctoral



- Communication Sciences and Disorders, PhD

Department of Comparative Cultural Studies

Programs

Master

- Anthropology, MA

Department of Economics

Programs

Master

- Applied Economics, MA

Doctoral

- Economics, PhD

Dual Degree - Graduate

- Applied Economics, MA/Public Policy, MPP

Department of English

Programs

Master

- Creative Writing, MFA
- English, MA

Doctoral

- Creative Writing and Literature, PhD
- English, PhD

Graduate Certificate

- Empire Studies, Certificate



- Poetry and Poetics, Certificate
- Translation Studies, Certificate

Department of Health and Human Performance

Programs

Master

- Human Nutrition, MS
- Master of Athletic Training, MAT
- Sport and Fitness Administration, MA

Doctoral

- Kinesiology, PhD

Graduate Certificate

- Sport and Fitness Operations Management, Certificate
- Strength and Conditioning, Certificate

Department of Hispanic Studies

Programs

Master

- Hispanic Studies, MA
- Spanish, MA

Doctoral

- Spanish, PhD

Graduate Certificate

- Spanish as a Heritage Language Certificate

Department of History

Programs



Master

- History, MA

Doctoral

- History, PhD

Department of Modern and Classical Languages

Programs

Master

- World Cultures and Literatures, MA

Graduate Certificate

- Applied Linguistics in Teaching Chinese Certificate
- Global Cinema Studies Certificate

Department of Philosophy

Programs

Master

- Philosophy, MA

Department of Political Science

Programs

Master

- Political Science, MA

Doctoral

- Political Science, PhD

Dual Degree - Accelerated Pathway



- Political Science, Accelerated BA/MA

Department of Psychology

Programs

Doctoral

- Clinical Psychology, PhD
- Industrial/Organizational Psychology, PhD
- Integrative Program in Developmental, Cognitive, and Behavioral Neuroscience, PhD
- Social Psychology, PhD

Public Administration Program

Programs

Master

- Public Administration, MPA

Department of Sociology

Programs

Master

- Sociology, MA

Women's, Gender, and Sexuality Studies Program

Programs

Graduate Certificate



- Women's Studies Interdisciplinary Certificate

Department of African American Studies

The mission of the Department of African American Studies at the University of Houston is reflected in the larger vision of Black, Africana and African American Studies departments and programs' commitment to the development of the knowledge of people of African descent in America, throughout the greater Diaspora and on the Continent. The program develops, promotes and enhances the knowledge and information of the discipline as well as the collective consciousness of African descended people, which will in turn lead to the growth and prosperity of strong communities and a powerful nation. AAS focuses upon the cultural and historical heritage of Africans on the Continent, in America and throughout the greater Diaspora and their contributions to the world's history and civilizations

African American Studies is a distinct academic discipline that engages Africa-centered research and teaching through an interdisciplinary approach to scholarly inquiry. The term Africa-centered signifies that the epistemological starting point for scholarly analysis resides in the historical and cultural understanding that African people are people of the African continent regardless of the recency or geographical distance of their out migration from the African homeland.

Employing tools from the humanities and social sciences for academic study, research, and teaching, African American Studies explores the varied dimensions of the human experience -- that is, phenomena, ideas, events, peoples, and personalities -- from the perspective of the interests of African people in the United States and their relationship to themselves and to African and other peoples in the world.

Hence, the mission of African American Studies is to provide students with a comprehensive quality undergraduate and graduate education and the opportunity for a creative intellectual experience based on the critical and systematic study of the life, thought, and practice of African peoples in their current and historical unfolding.

Interdisciplinary in both conception and practice, African American Studies seeks to critically examine and understand the African experience from an African-centered perspective, that is, from a position internal to the culture, joined with an openness and receptivity to the rich variety and instructiveness of the total human experience. African American Studies stresses comparative analysis and holistic thinking as indispensable to the discipline and the general educational enterprise.

Within this framework, the goals of African American Studies are:

- To expand our degree offerings by transitioning from a program to a tenure-granting department, and, thus, recruit a faculty that will enable the department to introduce a baccalaureate major degree in the discipline at the University of Houston;
- To cultivate and increase the awareness of UH students to international and cultural pluralism and to stimulate their sensitivity to issues of culture, race, ethnicity, class, and gender;
- To further internationalize the Africana Studies curriculum to include the study of African peoples in other parts of the world in addition to those on the Continent and in the United States, i.e., in the Caribbean, Central and South America, Asia, Europe, and the Pacific Rim;
- To encourage expanded scholarly productivity and professional activity by the department's faculty to maintain currency with the latest developments in the discipline and insure the highest levels of instruction and intellectual exchange;
- To increase the holding of conferences, seminars, colloquia, and other fora devoted to the expansion of the discipline,
- To develop and maintain links with local high schools and community colleges;
- To maintain and strengthen existing links with the community through expanding joint educational and practical projects and exchanges;



To increase the utility of academic service to Houston's African American community through research and publication on historical and public policy issues by means of The Black Houston History Project and the Institute for African American Policy Research;

To expand and further consolidate the intellectual space of the discipline as an integral and indispensable part of the university's mission to offer a culturally pluralistic quality undergraduate and graduate education to its students.

Graduate Certificate

African American Studies, Certificate

The Graduate Certificate in the Department of African American Studies Program is a nine-hour disciplinary concentration open to students in all UH graduate and professional degree programs. It is also open to post-baccalaureate professionals (including teachers, social service providers, policymakers, and others) interested in enhancing their knowledge and understanding of Africana phenomena.

The Graduate Certificate in the Department of African American Studies introduces students to advanced discussions, analyses, theoretical perspectives, and research methodologies in the discipline of Africana Studies. In addition, it provides intellectual breadth to a student's course of study, increasing the depth and coherence of the student's work within her/his primary field of study on critical issues concerning Africana phenomena. Africana Studies is a distinct academic discipline that engages Africa-centered research and teaching through an interdisciplinary approach to scholarly inquiry. Employing tools from the humanities and social sciences for academic study, research, and teaching, Africana Studies explores the varied dimensions of the human experience -- that is, phenomena, ideas, events, peoples, and personalities -- from the perspective of the interests of African people in the United States and their relationship to themselves and to African and other peoples in the world.

Admission Requirements

A completed African American Studies Graduate Certificate application.

A \$25.00 application fee.

Official Transcripts from every institution of higher education attended showing an awarded undergraduate or graduate degree.

Students currently enrolled in a University of Houston Graduate Program who are applying to concurrently enroll in the African American Studies Graduate Certificate may submit unofficial transcripts as part of their Certificate application.

A curriculum vitae or resume.

Two letters of recommendation.

A letter of application (1000-1500 words) answering the following question: "What about the Black experience interests you in obtaining a graduate certificate in African American Studies?"

Certificate Requirements

Students pursuing the African American Studies Graduate Certificate ONLY are required to take AAS 6300 and two electives to meet the 9-credit hour requirement.

Required Course(s)

AAS 6300 - Africana Study Theory & Method **Credit Hours: 3**

Elective Course Options

Choose two courses from the following (6 credits):



AAS 6307 - Seminar On MLK Jr. & Malcolm X **Credit Hours: 3**

AAS 6308 - Africana Religion & Biography **Credit Hours: 3**

AAS 6311 - African American Social and Philosophical Foundations **Credit Hours: 3**

Jack J. Valenti School of Communication

The Jack J. Valenti School of Communication offers the MA in:

Master

Communication, MA

The Jack J. Valenti School of Communication at the University of Houston offers a Master's degree in Communication directed toward professional success in both academic and nonacademic careers. The goal of the program is to produce graduate students who are able to move effectively into professional media positions, advance their current careers, teach in junior colleges or high schools, or enter into top doctoral programs.

To date, our school has placed graduates into top-ranked PhD programs as well as into nonacademic positions in both public and private institutions. Regardless of the career goal, the graduate program broadens each student's communication expertise through courses that improve conceptual, applied, and research skills - all of which are critical for successful careers in today's information-oriented and changing global society.

Areas of Concentration

Within the MA in Communication, there are four specializations from which a student must choose one. The four areas are:

Health Communication, which focuses on examining the symbolic and organizational processes by which people, individually and collectively, understand, shape, and accommodate to health and illness.

Journalism & Mass Communication, which focuses on the development of modern media systems and their impact on society, and examines ways in which the media contribute and respond to political, social and economic issues

Public Relations, which focuses on theory and research that is needed to help advancing practitioners assist organizations to communicate and strengthen relationships with their stakeholders. Emphasis is given to management issues relevant to products, services, image, and public policy issues.

Global & Intercultural Communication, which focuses on communication patterns and formats between and among people across national borders and cultures with the aim of understanding the transfer of knowledge, opinions, values, and culture across boundaries

For more information, contact: Dr. Lindita Camaj, Director of Graduate Studies, at lcamaj@uh.edu.

Admission Requirements

In addition to meeting the college graduate admission requirements, applicants to the communication program must have achieved an undergraduate degree in communication or related subfield or have completed at least 18 college-level hours in the field.

For details on the application process and required documentation, please visit: <https://uh.edu/class/communication/graduate/how-to-apply/>.



Admission Information

To be considered eligible for unconditional admittance, the student must:

- Have earned a Bachelor's Degree in an appropriate field from an accredited institution,
- Have a minimum 3.0/4.0 Grade Point Average (GPA) in the last 60 undergraduate hours attempted, and
- Have competitive scores on the GRE which are historically 153 or higher for the verbal portion, 153 or higher for math/quantitative portion in the current scoring system, and a 3.5 on the writing portion.

International students currently enrolled in an MA program with which we have an MOU may waive the GRE requirement. Students who have earned several grades of C or below in undergraduate communication courses will not be deemed eligible for this level of admission.

Applicants not meeting the criteria for unconditional admission might be considered for conditional admission. Any student admitted conditionally must:

- Have a GPA of at least 2.7/4.0 in the last 60 undergraduate hours attempted,
- Have a GPA of at least 3.00 in undergraduate communication course hours
- Have acceptable GRE scores, and
- Have other application materials that suggest the student can succeed in the graduate program.

All materials in the application packet (letters of recommendation, statement of purpose, transcripts and GRE scores) are considered in admission decisions.

Conditional admittance requires that the student maintain at least a "B" average in the first 12 hours attempted in graduate school. Conditional students will have their status changed by the graduate studies advisor after 12 hours of coursework provided they have maintained a "B" average in the first 12 hours of coursework. Students cannot embark on the next stage of the MA program - the thesis option, the comprehensive exam option, or the applied project option - until they are granted unconditional status. This is normally conferred (1) if the student has completed all undergraduate deficiencies noted at the time conditional status was granted, (2) if the student has fulfilled all graduate degree prerequisites, (3) if the student has terminated all incompletes on her/his graduate record, and (4) if the student has maintained a minimum (3.0) GPA in the graduate program.

Degree Requirements

Credit hours required for this degree:

- Thesis Option - 30.0
- Comprehensive Exam Option - 33.0
- Project Option - 33.0

Thesis Option

All course work should be selected in conjunction with the graduate director, members of the thesis/comprehensive exam committees, and other professors in their areas of concentration.

- COMM 6300 - Quantitative Research Methods **Credit Hours: 3.0**
- COMM 6305 - Qualitative Research Methods **Credit Hours: 3.0**
- COMM 6399 - Masters Thesis **Credit Hours: 3**
- COMM 7399 - Masters Thesis **Credit Hours: 3**

Note:



Six hours of thesis credits (6399 and 7399) are the minimum requirement of hours to complete a thesis. In order to fulfill the requirements of finishing a thesis that is approved by the student's thesis committee, the student may be required to enroll in more than the required number of hours.

Three hours of pre-approved 4000-level coursework may be taken.

Comprehensive Exam Option

All course work should be selected in conjunction with the graduate director, members of the thesis/comprehensive exam committees, and other professors in their areas of concentration.

The student must pass a comprehensive examination in the final term of the degree program.

COMM 6300 - Quantitative Research Methods **Credit Hours: 3.0**

COMM 6305 - Qualitative Research Methods **Credit Hours: 3.0**

COMM 6395 - Comprehensive Examination **Credit Hours: 3.0**

One Concentration Area Theory Course. **Credit Hours: 3.0**

Seven Other Graduate Courses. **Credit Hours: 21.0**

Note:

Three hours of pre-approved 4000-level coursework may be taken.

Project Option

All course work should be selected in conjunction with the graduate director, members of the thesis/comprehensive exam committees, and other professors in their areas of concentration.

The student must complete a capstone project in the final term of the degree program.

COMM 6300 - Quantitative Research Methods **Credit Hours: 3.0**

COMM 6305 - Qualitative Research Methods **Credit Hours: 3.0**

COMM 6390 - Applied Project **Credit Hours: 3.0**

One Concentration Area Theory Course. **Credit Hours: 3.0**

Seven Other Graduate Courses. **Credit Hours: 21.0**

Note:

Three hours of pre-approved 4000-level coursework may be taken.

Academic Policies

University of Houston Academic Policies

Academic Policies: College of Liberal Arts and Social Sciences

Policies on Courses

NO course at the 3000 level or below are accepted for graduate credit.

Only courses in which a grade A through F is awarded can be applied to the number of hours required for a degree. Courses with grades of U or S do not meet degree requirements, except for comprehensive examination credit, which does not count as hours required for graduation.

All students admitted to graduate status must choose one of three options - the Thesis Option, the Applied Project Option, or the Comprehensive Exam Option - by the end of 12 hours, of graduate study. The requirements for each option are outlined below.



Only one 4000 level course, with an additional research component, may be petitioned for consideration as graduate credit.

Undergraduate courses taken to fulfill undergraduate deficiencies will not count as undergraduate courses credited to the graduate program. A petition must be submitted two weeks prior to enrollment and to allow for the multiple signatures required. The completion of a petition does not guarantee acceptance.

For courses taken outside of Valenti School of Communication, a petition must be submitted two weeks prior to enrollment and to allow for the multiple signatures required. These hours should supplement the student's area of concentration

Special Problems Course: Students may enroll in one special problems course with an individual professor. A special problems course is 3 credit hours. The appropriate section number is available each term from the professor who will direct the study or from the graduate assistant. The student must complete a general petition form outlining the nature of the independent study, the product to be produced and evaluated, and how often student and professor will meet throughout the term. After the professor signs the general petition form, the student needs to submit it to the Director of Graduate Studies. The director of Graduate Studies must, before the last day of enrollment, have approved this petition. A student who fails to comply with this provision will be dropped from the state audit roll if the petition is not on file and approved by the twelfth class day. In no case may unapproved special problems hours be counted toward a degree.

Department of Communication Sciences and Disorders

Master

Communication Disorders, MA

The Master of Arts education program in Speech Language Pathology at the University of Houston is accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology of the American Speech-Language-Hearing Association (ASHA).

Therefore, the Communication Disorders MA provides students with the required academic and practicum experience to apply for the Certificate of Clinical Competence (CCC) of ASHA and to apply for licensure to practice speech language pathology in Texas. Students who complete this program are prepared to take the national Praxis Speech Language Pathology exam and to begin their clinical fellowships, the final required steps to reaching full certification (CCC).

Students who pursue this degree are interested in the theory, science, and methods of improving impaired human communication and swallowing. Speech language pathologists help people who have problems with language, speech, cognition, and swallowing. Individuals with disorders of language include children who do not meet developmental expectations due to many causes as well as individuals (adults and children) who have acquired disorders following a stroke, traumatic brain injury, or other medical condition. Language disorders may also be due to deficits in the social use of language, known as pragmatics. Some people who cannot use traditional spoken language for communication work with speech-language pathologists using alternative forms to share their messages. This may include sign language or an electronic device. Speech disorders often occur in children who produce sound errors along with other individuals (adults and children) who stutter or have acquired speech disorders due to stroke, traumatic brain injury, or other neurological disorders. Cognitive disorders that underlie communication, such as attention, memory, organization and reasoning, can be impaired after brain injury or can be part of a developmental disorder. Swallowing disorders, although usually the result of a medical condition, may also be a result of behavioral factors. Students in the Communication Disorders MA program learn about all of these areas. Graduates, upon completing the Praxis exam and 9 month clinical fellowship requirements leading to the CCC, will serve in settings from private homes to schools to hospitals and clinics, and work with clients across the life span.

For more information, please visit the Communication Sciences and Disorders website (www.uh.edu/class/comd/).

Admission Requirements



In addition to meeting the College of Liberal Arts and Social Sciences graduate admission requirements, applicants to the program must have completed required background courses in basic sciences (physical, biological, and social/behavioral), statistics, and normal human communication processes at the undergraduate or post-baccalaureate level with a grade point average of at least 3.00 (A=4.00). Less tangible factors also contribute to admission decisions. These may include:

- communicating effectively and interacting constructively in a clinical and/or supervisory relationship,
- the ability to use critical thinking and problem solving, and
- the potential for contributing to the profession of speech-language pathology.

Information on how to apply can be found on the How to Apply to UH Graduate School. Specific requirements include:

- official transcripts from each university attended
- official GRE scores
- personal statement
- three letters of recommendation and
- resume

International applicants should visit the International Graduate Students page to learn more about the additional required documentation and English language proficiency requirements. All applications require an application fee.

Degree Requirements

Credit hours required for this degree: 49.0 - 52.0

Plan I: Thesis Option

Students must complete:

- A minimum of 52.0 Credit Hours
 - 31.0 Credit Hours in content courses in the major
 - 15.0 Credit Hours of practicum experience
 - 6.0 Credit Hours will consist of thesis credit
- An oral defense of the thesis is required
- Must pass one evidence-based practice report

Plan II: Non-Thesis Option

Students must complete:

- A minimum of 49.0 Credit Hours
 - 31.0 Credit Hours in content courses in the major
 - 15.0 Credit Hours of practicum experience
 - 3.0 Credit Hours of electives
 - The elective can be an approved elective taken in Communication Sciences and Disorders or selected from pre-approved courses outside the department.
- A comprehensive examination is required
- Must pass two evidence-based practice reports

Core Courses



COMD 6230 - Autism Spectrum Disorders **Credit Hours: 2.0**
COMD 6240 - Augmentative and Alternative Communication **Credit Hours: 2.0**
COMD 6261 - Research and Critical Thinking **Credit Hours: 2.00**
COMD 6321 - Swallowing Disorders **Credit Hours: 3.00**
COMD 6326 - Motor Speech Disorders **Credit Hours: 3.0**
COMD 6328 - Acquired Cognitive Disorders **Credit Hours: 3.0**
COMD 6334 - Aphasia & Related Com Disorder **Credit Hours: 3.0**
COMD 6372 - Remediation of Childhood Language Disorders **Credit Hours: 3.00**
COMD 6387 - Voice Disorders **Credit Hours: 3.0**
COMD 7270 - Graduate Seminar in Speech-Language Pathology **Credit Hours: 2.0**
COMD 7221 - Fluency Disorders **Credit Hours: 2.00**
COMD 7322 - Speech Sound Disorders **Credit Hours: 3.00**

Academic Policies

University of Houston Academic Policies

Academic Policies: College of Liberal Arts and Social Sciences

In general, the Communication Disorders MA academic policies mirror those of the University and College of Liberal Arts and Social Sciences. However, this program is more rigorous in the area of academic progress. A student in the COMD Master's program may only have one grade lower than a B-in an academic class or below a B in clinic/externship before being dismissed due to insufficient academic progress. A student who is unable to pass the evidence-based practice report following intervention also may be dismissed due to lack of academic progress. Additionally, students removed from graduate standing are not eligible to enroll in practicum courses.

Doctoral

Communication Sciences and Disorders, PhD

The primary educational objective of the PhD in Communication Sciences and Disorders is to provide students with preparation for academic careers in the field of speech-language pathology/communication sciences and disorders. The program is mentor-based with the student and mentor designing a program of study that meets the student's goals within the general guidelines of the program as outlined (e.g., number of credits, first-year project). Given the broad range of research areas by our faculty, applicants must identify an area of study and the potential professor(s) with whom they share common scientific interests. Acceptance of a student into the COMD PhD program is determined on an individual basis by a number of factors including GRE scores, GPA, letters of recommendation and identification of an area of study and agreement by a COMD faculty member to provide mentoring. A UH COMD faculty member must accept the responsibility of being the student's primary mentor before the applicant is admitted to the PhD program.

For more on the program, please visit: <http://www.uh.edu/class/comd/programs/phd/>.

Admission Requirements

Acceptance of a student into the COMD PhD program is determined on an individual basis by a number of factors.

Students must meet or exceed the minimum requirements of the Graduate School of the University of Houston (see <http://www.uh.edu/graduate-school/admissions/how-to-apply/>). The University of Houston requires that doctoral applicants have earned at least a bachelor's degree from a regionally accredited U.S. institution or at an institution at which English is the medium of instruction in Communication Science and Disorders or a related discipline. (See the Graduate School's web page for international applicants for additional requirements for international students at <https://www.uh.edu/graduate-school/international-students/>.)



Official transcripts from each college or university attended previously, including the degree(s) earned and date(s) of all higher-education academic experience should be submitted.

Recent (within the past five years) GRE scores.

GRE Waiver Option - The GRE requirement is waived for applicants to the PhD Program in Communication Sciences and Disorders who have submitted the following materials to allow the admissions committee to make their decision:

- a bachelor's degree or a master's degree from an institution accredited by one of the six regional accrediting associations as specified in the UH Minimum Qualifications for Admission to Masters and Doctoral Programs (General Admission Policy) or an accepted international institution of higher education as demonstrated by official transcripts,
- the College of Liberal Arts and Social Sciences minimum GPA of 3.0 for unconditional admission,
- an applicant interview with prospective mentor and commitment from the mentor,
- three letters of recommendation,
- a resume or curriculum vitae,
- a statement of interest,
- applicable application fees,
- and additional materials required for international applicants (<https://www.uh.edu/graduate-school/international-students/>)

Identification of and preliminary interview with a potential faculty mentor.

A personal resume and statement of interest.

Degree Requirements

Credit hours required for this degree: 54.0

The doctoral program in COMD is mentor-based with the student and mentor designing a program of study that meets the student's goals within the general guidelines of the program.

Students entering with a Master's Degree are required to complete a minimum of 54 semester credit hours.

Students entering with a Bachelor's degree are required to earn an additional 30 semester credit hours, for a total of 84 semester credit hours.

A set of core classes are required from all PhD students to ensure the quality of their training: COMD 8392, Advanced research Methods; COMD 8x91, COMD Research; COMD 8x93 COMD Proseminar; COMD 8397 Selected Topics in COMD; 8x99 Dissertation. In addition, six credits outside the major in related fields (e.g. Psychology, Health and Human Performance, Bioengineering), one or more three-credit courses on advanced statistics, and a three-credit elective course on teaching are required.

Students will successfully complete an initial research project in the area of concentration that includes a written manuscript and an oral presentation of the project. Nearing the completion of the course work (typically after 4 full terms or about 40 credit hours), a Comprehensive Examination, the format of which will be determined by the student's committee, must be successfully passed before commencing dissertation work and admission to candidacy for the doctoral degree.

Both full time and part-time students will be accepted into the program. Full-time enrollment constitutes 9 credit hours per term, and students taking 6 or fewer credit hours are considered part-time. Students can complete the program as part-time as long as their plan of study fits within the 10-year timeframe allowed by the university.

In accordance with UH policies, up to 9 credits of graduate coursework may be transferred from other accredited institutions and counted towards the minimum hours required to complete the program, subject to the approval of the primary mentor and the University of Houston.



Academic Policies

University of Houston Academic Policies

Academic Policies: College of Liberal Arts and Social Sciences

Department Academic Policies

Two grades of C or lower during the course of the graduate program are grounds for automatic dismissal. The PhD degree is expected to be completed by students within four-five years after admission to graduate school. The maximum expected time allowed for the completion of the PhD degree after admission is six years unless an exception has been granted. A satisfactory rate of progress toward completion of the degree requirements is required throughout enrollment. The department may terminate a student's enrollment at any time if the rate of progress or academic performance is not satisfactory.

Department of Comparative Cultural Studies

Master

Anthropology, MA

The Anthropology program in the Department of Comparative Cultural Studies offers a Master of Arts that allows concentration within the Cultural Anthropology, Archaeological Anthropology, and Biological Anthropology subdisciplines, according to the student's interests. Anthropology is a holistic discipline studying humans past and present and teaches students how to navigate our multicultural world and add to the knowledge of humanity today and in the past. The typical student that pursues this degree has an interest in doing research in prehistoric or historic populations or in working in contemporary agencies and businesses who need expertise in multicultural situations. Our graduates typically enter a PhD program for further study, teach in community colleges, or work as applied anthropologists in a variety of fields.

Please see: <http://www.uh.edu/class/ccs/anthropology/graduate/>.

Admission Requirements

An applicant should have completed a Bachelor of Arts or Bachelor of Science degree, preferably with a social science background but many majors are acceptable. An anthropology undergraduate major is not required, but the student should have a GPA of 3.0 out of 4.0 in the last 60 hours of the undergraduate degree. Anthropology can usefully be added to many career paths because of its broad subject area. The applicant should submit an official transcript with degree posted, three letters of recommendation, a writing sample, and GRE test scores, plus a \$50 application fee for domestic applicants/\$125 for international applicants. Information on additional requirements for international applicants can be found on the Graduate School website.

The GRE requirement is waived for applicants to the MA program who have at least one of the following from an institution accredited by one of the six regional accrediting associations as specified in the UH Minimum Qualifications for Admission to Masters and Doctoral Programs (General Admission Policy):

an overall undergraduate grade point average of 3.00 or higher (on a 4-point scale), or
a master's or terminal degree.

Degree Requirements



Credit hours required for this degree: 36.0 (30 credit hours and six credit hours of master's thesis)

Required Courses (15.0 credit hours)

- ANTH 6300 - Foundations of Anthropological Theory **Credit Hours: 3.0**
- ANTH 6310 - Anthropological Research Design **Credit Hours: 3.0**
- ANTH 6325 - Computer-Based Data Analysis in Anthropology **Credit Hours: 3.00**
- ANTH 6399 - Masters Thesis **Credit Hours: 3**
- ANTH 7399 - Masters Thesis **Credit Hours: 3**

Subdiscipline Option (6.0 credit hours)

It is expected that students will concentrate on one of the subdisciplines of Anthropology that are offered by the graduate faculty. Complete six credit hours from one of the following three lists:

Cultural Anthropology

- ANTH 6311 - Issues and Debates in Social/Cultural Theory **Credit Hours: 3.0**
- ANTH 6315 - Sem-Ethnographic Anlys **Credit Hours: 3.0**
- ANTH 6322 - Seminar in Medical Anth **Credit Hours: 3.0**
- ANTH 6330 - Applied Anthropology **Credit Hours: 3.0**

Archaeology/Bioarchaeology

- ANTH 6312 - Proseminar-Physical Ant **Credit Hours: 3.0**
- ANTH 6313 - Sem Archaeo Mthds/Thry **Credit Hours: 3.0**

Physical (Biological) Anthropology

- ANTH 6312 - Proseminar-Physical Ant **Credit Hours: 3.0**
- ANTH 6322 - Seminar in Medical Anth **Credit Hours: 3.0**

Elective Course Options (15.0 credit hours)

The remaining 15.0 credit hours can be taken as electives from other graduate-level courses offered in anthropology. Six credit hours can be taken outside the department, if approved by the graduate advisor and relevant to the student's thesis research. These may include courses in Biology, Geographic Information Systems, Sociology, and graduate anthropology courses at Rice University that do not have equivalents in our program. For information on requesting permission to take courses at Rice, visit Inter-Institutional Agreement.

Besides course work, students must pass a three-part comprehensive exam based on anthropological theory and two of the subdiscipline courses listed above. This comprehensive examination is given in Fall and Spring in the 5th week and involves a three-hour period to answer a question posed by the graduate faculty.

Academic Policies

University of Houston Academic Policies



Department of Economics

Master

Applied Economics, MA

Liberal Arts & Social Sciences > Department of Economics > Applied Economics, MA

The department offers a program of study leading to the Master of Arts degree in Applied Economics. The Master of Arts in Applied Economics degree is offered under two 30-hour plans; an internship option or an applied project option. Students of this program will be trained in microeconomics, macroeconomics, econometrics and time-series data analysis. In addition, these general skills will be applied to the areas of health, financial, and energy economics for more focused training. While it is not necessary to possess an undergraduate degree in economics, applicants must have completed intermediate level courses in microeconomics and macroeconomics as well as an introduction to regression analysis course during their undergraduate careers. This 12-month master's degree program allows you to obtain valuable economic and data analysis skills for careers in business and government.

Please visit the following website for more information: <http://www.uh.edu/class/economics/graduate/master/>.

Admission Requirements

Admission to the program is competitive. To be considered for admission, each applicant should meet the following pre-requisites:

- Awarded a baccalaureate degree from an accredited institution

- Maintained at least a 3.0 GPA in the most recent 60 semester hours of undergraduate course work attempted

- Have completed the following pre-requisite courses (or equivalents):

 - Intermediate Microeconomics (UH ECON 3332)

 - Intermediate Macroeconomics (UH ECON 3334)

 - Introduction to Econometrics (a regression analysis course) (UH ECON 3370)

 - Calculus I or Calculus for Business and Social Science (UH MATH 1431 or 1314)

- All applicants with a minimum undergraduate GPA of 3.4 and who have graduated from an accredited US institution within three years preceding the term for which they are applying are not required to submit GRE scores. Applicants who do not meet the requirements for this waiver must have taken the Graduate Record Examination (GRE) with a preferred total score of 300 (Verbal & Quantitative combined)

 - There is no formal minimum requirement to be considered for admission. However, successful applicants have typically scored a minimum of 150 on the quantitative section & at least 3.5 on the writing portion.

All applicants must submit official transcripts from all institutions attended, GRE scores (if not waived), a personal statement, three letters of recommendation, and a current resume or CV. TOEFL or IELTS is required of students whose country's official native language is not English. In addition, the university requires submission of an application fee. Detailed information regarding these fees may be found here: <http://www.uh.edu/financial/graduate/tuition-fees/college-fees/>.

The department only accepts applications for the MA in Applied Economics for the Fall semester. The department does not admit new students in the spring or summer sessions. The department will begin reviewing completed application packages in mid-February with a final application deadline of May 1. Applications which are received after mid-February through May 1 will continue to be reviewed on a rolling basis. Please be aware that space is limited. Submitting your application materials early will increase your chances of acceptance. No applications are accepted after May 1.



Degree Requirements

Credit hours required for this degree: 30.0

The MA in Applied Economics is designed to be completed within one calendar year. The program begins in the fall semester. Coursework continues through the subsequent spring semester and is completed with an applied project course or internship hours in the following summer. All students are expected to enroll in six (6) hours in the final summer term and must be present to attend applied project class meetings or work in an internship job they have obtained. In some cases, students may complete the program with a thesis (in lieu of internship or project hours), but this option requires committee approval by the middle of the spring term. Students interested in this option must notify the director of the program by the beginning of the spring term. In addition, the thesis option generally requires an additional semester of enrollment. Any student who is approved for this option should expect to graduate in December.

Program Requirements

There are 2 plans under which graduate students can earn a Master of Arts in Applied Economics: MA Plan I: 24 hours of coursework and 6 hours of an approved internship [ECON 6691]; MA Plan II: 24 hours of coursework and 6 hours of approved applied project work [ECON 6693]. Elective courses vary but generally include ECON 6340 Health Economics, ECON 6345 Energy Economics, and ECON 6353 Capital Market Economics. Students may opt to take 3 semester hours of elective coursework outside of the department. Outside courses must be approved by the program director in advance. Students must maintain a cumulative grade point average of 3.00 or above and satisfactorily complete a comprehensive examination. Required courses are listed below.

Core Economics

ECON 6475 - Macroeconomic Analysis **Credit Hours: 4**

ECON 6485 - Microeconomic Analysis **Credit Hours: 4**

Statistical Techniques

ECON 6351 - Economic Forecasting **Credit Hours: 3.0**

ECON 6465 - Econometrics **Credit Hours: 4**

Applied Economics

ECON 6345 - Energy Economics **Credit Hours: 3.0**

ECON 6353 - Capital Market Economics **Credit Hours: 3.0**

ECON 6340 - Health Economics **Credit Hours: 3.0**

or approved substitutes

Internship or Thesis

ECON 6691 - Master's Internship **Credit Hours: 6.0 or**

ECON 6693 - Master's Research Project **Credit Hours: 6**

Academic Policies

University of Houston Academic Policies

Academic Policies: College of Liberal Arts and Social Sciences



Doctoral

Economics, PhD

College of Liberal Arts and Social Sciences > Department of Economics > Economics, PhD

The Department of Economics offers a program leading to the Ph.D. degree in Economics designed to provide students rigorous training in economic theory and quantitative skills as well as an intensive exposure to several specialized areas of Economics. Ph.D. training provides skills needed in academic, government, or business careers.

For more information, please visit the [Doctoral Program In Economics](#) page.

Admission Requirements

A degree in Economics is not required to apply for the Economics Ph.D. program. Neither is a masters degree.

Mathematical preparation is a significant factor in the faculty's decision to admit students and is a crucial factor in student success. The department recommends the following courses (or the equivalent material be mastered) prior to enrolling. The courses are listed in order of importance.

- Calculus I, II, and III (MATH 1431, 1432, 2433)
- Linear Algebra (MATH 2331)
- Probability (MATH 3338) and Statistics (MATH 3339)
- Differential equations (MATH 3331)
- Introduction to Real Analysis (MATH 4331)

The following are required to apply to this program:

- Official transcripts from all schools attended.
- A personal statement and resume - The PS counts as your writing sample as well and should be no longer than 2 pages.
- Letters of recommendation from 3 faculty members - at least one from your most recent institution.
- Application fee - \$50 domestic applications; \$125 international applicants
- Additional requirements for international applicants can be found on the [International Graduate Students](#) page.

Degree Requirements

Credit hours required for this degree: 90.0

- Grade point average in graduate classes of at least 3.0 (4.0 = A)
- Successful completion of the comprehensive exams at the Ph.D. level
- Successful completion of a 2nd-year project
- Successful completion of the 3rd-year paper
- Successful completion of end of year presentations in May of the 3rd year, December of the 4th year, and May of the 4th year
- Successful completion and defense of the dissertation

Coursework

48 hours of coursework composed of the following:



Core courses (21 hours)

ECON 7341 - Microeconomic Theory I **Credit Hours: 3.0**
ECON 7342 - Microeconomic Theory II **Credit Hours: 3.0**
ECON 7343 - Macroeconomic Theory I **Credit Hours: 3.0**
ECON 7344 - Macroeconomic Theory II **Credit Hours: 3.0**
ECON 7330 - Quantitative Economic Analysis **Credit Hours: 3.0**
ECON 7331 - Econometrics I **Credit Hours: 3.0**
ECON 8331 - Econometrics II **Credit Hours: 3.0**

Electives (27 hours) subject to the following restrictions

6 hours maximum in ECON 7390 - Research & Readings - Economic **Credit Hours: 3.0**

6 hours maximum in courses taken outside the department

Additional hours outside the department or in independent study may be allowed subject to the discretion of the Graduate Director.

Workshops

18 hours of workshops:

ECON 8361 - Workshop Research Methods III **Credit Hours: 3.0** is required both semesters of the third year. All 3rd-year students enroll in the same section of this course.

ECON 8362 - Workshop Research Methods IV **Credit Hours: 3.0 AND**

ECON 8363 - Workshop in Research Methods V **Credit Hours: 3.0** are required in both semesters of the 4th- and 5th-year, respectively.

Sections of these workshops vary by subject matter.

Seminars

12 hours in seminars:

ECON 7301 - Seminar in Microeconomic Research **Credit Hours: 3.0**

ECON 7302 - Seminar in Macroeconomic Research **Credit Hours: 3.0**

Seminar enrollment is required in every semester beginning in the fourth year and continuing until the Ph.D. is awarded

Students may substitute an elective course for a seminar

Dissertation

12 hours in dissertation:

ECON 8399 - Doctoral Dissertation **Credit Hours: 3**

M.A. Requirements

For students who decide to leave the program before fulfilling the Ph.D., or do not fulfill the requirements to continue in the Ph.D. program, an M.A. degree will be awarded upon the completion of the following requirements.

Grade point average in graduate courses of at least 3.0 (4.0 = A).

Successful completion of the comprehensive exams at the M.A. level.

Doctoral research hours do not count toward the 36 hours of course work.



Coursework

36 hours of course work composed of the following:

Core courses (21 hours)

- ECON 7341 - Microeconomic Theory I **Credit Hours: 3.0**
- ECON 7342 - Microeconomic Theory II **Credit Hours: 3.0**
- ECON 7343 - Macroeconomic Theory I **Credit Hours: 3.0**
- ECON 7344 - Macroeconomic Theory II **Credit Hours: 3.0**
- ECON 7330 - Quantitative Economic Analysis **Credit Hours: 3.0**
- ECON 7331 - Econometrics I **Credit Hours: 3.0**
- ECON 8331 - Econometrics II **Credit Hours: 3.0**

Electives (15 hours) subject to the following restrictions

3 hours maximum in ECON 7390 - Research & Readings - Economic **Credit Hours: 3.0**

3 hours maximum in courses taken outside the department

Additional hours outside the department or in independent study may be allowed subject to the discretion of the Graduate Director.

The Economics department allows a maximum of 6 hours to be transferred from graduate courses taken at other schools toward an M.A. in Economics. The graduate director will determine the transferability of credits. The university allows more credits to be transferred toward a Ph.D. at the discretion of the graduate director.

The department encourages students who have received their M.A. elsewhere to enroll in the Ph.D. program. If a student has an M.A. in Economics from another university, equivalent courses may be waived and credit transferred toward a Ph.D. However, the doctoral transfer student must still receive a grade of "Ph.D. Pass" on both parts of the theory examination administered by the University of Houston Economics Department.

Transfer students who have successfully completed first-year courses at another Ph.D. program are allowed to take the theory examinations in the summer prior to their enrollment at the University of Houston. If they receive a "Ph.D. Pass" grade on an examination (micro or macro) they do not have to complete the first-year course in that area. This attempt at the theory examinations does not count towards their two formal attempts.

Academic Policies

OUTLINE OF PROGRAM

	FALL SEMESTER	SPRING SEMESTER	SUMMER
1 ST YEAR	ECON 7341 - Microeconomic Theory I	ECON 7342 - Microeconomic Theory II	COMPREHENSIVE EXAMS
	ECON 7343 - Macroeconomic Theory I	ECON 7344 - Macroeconomic Theory II	
	ECON 7330 - Quantitative Economic Analysis	ECON 7331 - Econometrics I	
2 ND YEAR	ECON 8331 - Econometrics II	ELECTIVE	2 ND YEAR PROJECT
	ELECTIVE	ELECTIVE	



	ELECTIVE	ELECTIVE	
3RD YEAR	ECON 8361 - Workshop Research Methods III	ECON 8361 - Workshop Research Methods III	DISSERTATION RESEARCH
	ELECTIVE	ELECTIVE	
	ELECTIVE	ELECTIVE	
		3 RD YEAR PAPER DUE IN MAY	
4TH YEAR	ECON 8362 - Workshop Research Methods IV	ECON 8362 - Workshop Research Methods IV	DISSERTATION RESEARCH
	ECON 7301 - Seminar in Microeconomic Research/ECON 7302 - Seminar in Macroeconomic Research	ECON 7301 - Seminar in Microeconomic Research/ECON 7302 - Seminar in Macroeconomic Research	
	ECON 8399 - Doctoral Dissertation	ECON 8399 - Doctoral Dissertation	
	PRESENTATION IN DECEMBER	PRESENTATION IN MAY	
5TH YEAR	ECON 8363 - Workshop in Research Methods V	ECON 8363 - Workshop in Research Methods V	
	ECON 7301 - Seminar in Microeconomic Research/ECON 7302 - Seminar in Macroeconomic Research	ECON 7301 - Seminar in Microeconomic Research/ECON 7302 - Seminar in Macroeconomic Research	
	ECON 8399 - Doctoral Dissertation	ECON 8399 - Doctoral Dissertation	
		THESIS DEFENSE	

COURSE LOAD

All graduate students receiving financial aid from the department are required to enroll in nine hours each semester during the regular academic year and six hours in the summer (if they are funded for the summer).

Full-time graduate students not receiving financial aid must enroll in a minimum of 9 hours each semester during the regular academic year.

COMPREHENSIVE EXAMINATIONS

Written examinations in micro and macro theory are required after the completion of the second regular semester of full-time course work. The first set of exams are given late May or early June. Each exam is graded anonymously according to the following scale:

"Superior". The student demonstrates mastery of the material examined.

"Good". The student demonstrates understanding of the material examined, but there are some deficiencies.



"Poor". The student demonstrates significant deficiencies in their understanding of the material examined.

"Fail". The student does not take the test or demonstrates no understanding of the material examined.

Following the first set of exams, the Graduate Committee, acting on recommendations from the Graduate Director, will make a determination of each student's status as follows:

If the student achieves a Superior on all exams, the student has completed the comprehensive exam requirement at the Ph.D. level.

If the student has not achieved a Superior on all exams, the Graduate Committee may determine that the student's totality of work, including grades, is sufficient to warrant advancement and the student has completed the comprehensive exam requirement at the Ph.D. level.

If the student has not achieved a Superior on all exams, and the Graduate Committee does not feel the student's body of work warrants advancement, it will inform the student of which individual exams must be retaken in order to advance.

A second set of examinations are given in the week before classes begin in August. These exams are graded on the same scale as above. Following the second set of exams, the Graduate Committee, acting on recommendations from the Graduate Director, will make a final determination of each student's status as follows:

If the student has, accounting for both sets of exams, achieved a Superior on all exams, the student has completed the comprehensive exam requirement at the Ph.D. level.

If the student has not achieved a Superior on all exams, the Graduate Committee may determine that the student's totality of work, including grades, is sufficient to warrant advancement and the student has completed the comprehensive exam requirement at the Ph.D. level.

If the student has not achieved a Superior on all exams, and the Graduate Committee does not feel the student's body of work warrants advancement to Ph.D. candidacy but did show sufficient understanding, it will inform the student that they have completed the comprehensive exam requirement at the MA level. The student is allowed to continue taking courses in their second year and can receive the MA degree if they fulfill the remaining requirements.

If the student does not fall into any of the first three categories, then the student has not completed the comprehensive exam requirement at either Ph.D. or MA level, and will not be awarded a degree.

No further attempts at the examinations are allowed after August following the first year of study at UH.

2nd YEAR PROJECT

By the end of May following their 2nd year, each student must have a written project proposal signed by a faculty advisor who has agreed to oversee the project. The proposal should be created in collaboration with the faculty advisor and specifies the required work to be completed over the summer following the 2nd year. The exact nature of this work is up to the faculty advisor and student, and could include, but is not limited to, the following: a detailed presentation of core papers in a given field, replication of an existing empirical or quantitative paper, collection of new data, or a paper based on an original idea.

The project is due prior to the first day of classes in August following the student's 2nd year of study. The project will be evaluated by the faculty advisor, who will inform the Graduate Director if the student has successfully completed the project.

If the Graduate Committee, acting on the recommendation of the faculty advisor and Graduate Director, deems the project satisfactory, the student is admitted to Ph.D. candidacy. If the paper is not satisfactory, the Graduate Committee may, at their discretion, issue a "revise and resubmit" to the student. In this case, the student has until the last day of classes of the fall semester of their 3rd year to complete a new version of the project. If the Graduate Committee, acting again on the recommendation of the advisor and Graduate Director, find the new version satisfactory, the student will be admitted to Ph.D. candidacy. If the Graduate Committee, either at the initial submission in August, or at the revised submission, decide that the project is not satisfactory, then the student will not be admitted to Ph.D. candidacy but can complete their 3rd-year courses and remain eligible to graduate with the MA degree.

3rd YEAR PAPER



This paper is due by May 15th following the student's 3rd year of study. The paper will be evaluated by a reading committee of three faculty members selected by the student and approved by the Graduate Director. The 3rd year paper must be original research done by the student on a topic of their choice.

If the Graduate Committee, acting on the recommendation of the reading committee, deems the paper satisfactory, the student is allowed to continue as a Ph.D. candidate. If the paper is not satisfactory, the Graduate Committee may, at its own discretion, issue a "revise and resubmit" to the student. In this case, the student has until the first day of class in August of that year to complete a new version of the paper. That paper will be evaluated by September 10th. If that new version is satisfactory to the Graduate Committee, the student will be allowed to continue in the program.

If the paper is deemed unsatisfactory at either the initial submission in May or at the revised submission in August, the student may remain in classes for their 4th year and is eligible to graduate with the MA.

3rd AND 4th YEAR PRESENTATIONS

Shortly after the end of classes in May of the 3rd year, and both December and May of the 4th year, students will be expected to give a presentation of their current research in progress to the entire faculty. The time allotted for the presentations will be set by the Graduate Director.

DISSERTATION DEFENSE

The dissertation will be supervised by a committee agreed upon by the student, the primary faculty dissertation advisor, and the graduate director. The committee must include one member from outside the department. The committee is typically composed of the primary faculty advisor (committee chair), two other faculty advisors from the department, and the member from outside the department. The Ph.D. degree is awarded when the student has successfully defended the dissertation before the graduate faculty of the department and turned in the completed dissertation to the appropriate university office.

CHANGE IN REQUIREMENTS

Students may petition the graduate director for permission to deviate from particular program requirements. Such petitions must be in writing and should include a justification for the proposed change.

TRANSFER STUDENTS

The Economics department allows a maximum of 6 hours to be transferred from graduate courses taken at other schools toward an M.A. in Economics. The graduate director will determine the transferability of credits. The university allows more credits to be transferred toward a Ph.D. at the discretion of the graduate director.

The department encourages students who have received their M.A. elsewhere to enroll in the Ph.D. program. If a student has an M.A. in Economics from another university, equivalent courses may be waived and credit transferred toward a Ph.D. However, the doctoral transfer student must still receive a grade of "Ph.D. Pass" on both parts of the theory examination administered by the University of Houston Economics Department.

Transfer students who have successfully completed first-year courses at another Ph.D. program are allowed to take the theory examinations in the summer prior to their enrollment at the University of Houston. If they receive a "Ph.D. Pass" grade on an examination (micro or macro) they do not have to complete the first-year course in that area. This attempt at the theory examinations does not count towards their two formal attempts.



OFFICE SPACE AND FACILITIES

The Department provides most funded graduate students with office space for study and interaction with other students. The department also runs a fully equipped graduate student computer lab with state-of-the-art personal computers and software.

FINANCIAL AID

The department offers several assistantships for academic support, research, or teaching in the first year. These positions pay a monthly stipend and allow tuition to be waived and fees to be paid at in-state rates. These stipends cover the 9-month school year and very often some or all of the summer months. Summer support, however, is not guaranteed. All financial support is allocated by the department graduate director and is contingent upon available funding.

In return for financial support, and as part of graduate training in economics, graduate assistants help with instruction and research. Compensation is directly related to hours of work and level of responsibility. Teaching assistants work 20 hours per week supporting faculty teaching and research. Teaching fellows teach a section of introductory economics. All assistantships are awarded on a competitive basis under the following guidelines:

Entering Students. Only students with outstanding transcripts, GRE scores, and other favorable credentials are offered aid in the first year. The Graduate Committee allocates these assistantships. Supplemental funding is also available, on a competitive basis, from the Office of Graduate and Professional Studies.

Second through Fifth Year. Any full-time student on financial aid making satisfactory progress in the program is assured partial aid in the second through the fourth year.

A student who was awarded aid in the first year will receive aid in the second year if the student has taken the theory exams and maintained a 3.0 grade point average. Students who receive a superior on the theory examination and maintain good progress will receive financial aid in their third and fourth years. Aid in the fifth year is provided if the candidate is making good progress on the dissertation.

Only senior graduate students with the requisite academic performance and communication skills are assigned as teaching fellows.

Responsibilities and Progress. Students are expected to perform their research and teaching responsibilities in a professional manner. Poor performance can result in the loss of financial aid.

Department Academic Policies

Academic Policies: College of Liberal Arts and Social Sciences

University of Houston Academic Policies

Dual Degree - Graduate

Applied Economics, MA/Public Policy, MPP

The Department of Economics, College of Liberal Arts and Social Sciences (CLASS), and Hobby School of Public Affairs offer a graduate dual degree in MA Applied Economics (MAAE) and Master of Public Policy (MPP) to prepare students for careers in public policy. This program combines theoretical and analytical framework for designing/evaluating public policies offered by the MAAE with theories/strategies to develop public policies and understand political processes through which policies are implemented offered by the MPP. Through this dual program, students earn both an MA and MPP with fewer semester hours than it would take to earn each degree independently.



Admission Requirements

Participation in the dual MA Applied Economics/MPP program requires separate applications to and acceptance by each of the participating schools within a calendar year. Applicants must meet admission requirements of both programs. Admission to one has no official bearing on admission to the other.

Visit each program's website for more information regarding pre-requisite courses and other admission requirements:

MA Applied Economics Program
MPP Program

Degree Requirements

The dual MAAE/MPP program requires a minimum of 57 semester hours. The curriculum for the program requires students to complete core courses in both economics and public policy; electives courses in both areas; and internships and/or a project. This is a non-thesis program. Students should consult with program advisors for information regarding core and elective courses.

Visit each program's website for more information about each degree:

MA Applied Economics Program
MPP Program

Academic Policies

University of Houston Academic Policies
Academic Policies: College of Liberal Arts and Social Sciences

Department of English

Master

Creative Writing, MFA

Admission Requirements

In addition to meeting the college graduate admission requirements, applicants to the MFA in Creative Writing program must meet the following minimum requirements for admission to the program and for the degree:

The applicant should have completed 12 hours of advanced English with an average of 3.0 or better grade point average.

The applicant should have two years of college-level study in one foreign language or otherwise demonstrate, with a passing score on the GSFLT, a reading knowledge of a foreign language.

Three letters of recommendation.

Submission of a manuscript consisting of a maximum of 10 pages of poetry or 20-25 pages of fiction.

A statement of intent (1,000 or fewer words): reasons for pursuing graduate study in creative writing, which writers in the applicant's genre the applicant is reading, and comments on those writers.



On a separate sheet of paper, list awards and publications of the applicant.

Two official copies of transcripts from each school attended.

The GRE Advanced Subject (Code 64) score is not required for MFA applicants.

GRE Waiver Option - The GRE requirement is optional for all applicants (both international and domestic) applying to any UH English graduate programs (MA, MFA, PhDs) who have at least one of the following:

- an overall undergraduate or graduate grade point average of 3.00 or higher (on a 4- point scale) from an institution accredited by one of the six regional accrediting associations as specified in the UH Minimum Qualifications for Admission to Masters and Doctoral Programs (General Admission Policy), or
- a grade point average in the top 80% on other GPA scales and a combined IELTS score above 7 or TOEFL score above 79 or a DUOLINGO score above 105.

Consult the Creative Writing Program for additional information and more specific requirements.

Degree Requirements

Students must complete a minimum of 36 hours of approved graduate courses. these courses must be distributed over creative writing workshops and courses in literary studies. Specific requirements are as follows:

15 hours in creative writing, including 9 hours in the primary genre, 3 hours of Master Workshop, and 3 hours of Poetic Forms and Techniques for poetry students, Fiction Forms and Techniques for fiction students, or Nonfiction Forms and Techniques for nonfiction students. Students are strongly encouraged to take the course in Forms and Techniques early in the MFA program.

3 hours of Writers on Literature

12 hours in English or American literature or other literary studies (Students should divide their courses between early and later literatures. Early British literature is defined as British literature before 1800 and early American literature is defined as American literature before 1865.)

6 hours of elective courses (literature or other literary studies, workshop in the primary genre, workshop in a crossover genre, Writers on Literature, or coursework in another department that complements the student's program). In addition, MFA students must complete a creative thesis for 6 credit hours.

In addition, MFA students must complete a creative thesis for 6 credit hours.

English, MA

Admission Requirements

In addition to meeting college's graduate admission requirements, applicants must fulfill the following minimum requirements:

A minimum of 18 term hours in literature, writing, or linguistics at the undergraduate or post-baccalaureate level, at least 12 hours of which must be upper-division or above, with at least a 3.00 (A=4.00) grade point average.

A minimum of 12 term hours of a single foreign language or a demonstration of a reading knowledge of a single foreign language.

A statement of intent (500 words minimum) and a critical writing sample.

Three letters of recommendation, at least two of which must be from persons familiar with the applicant's academic work.

Two official transcripts of all previous university work.

GRE General Aptitude score and, except for Applied English Linguistics applicants, GRE Advanced Subject (Code 64) score.

GRE Waiver Option - The GRE requirement is optional for all applicants (both international and domestic) applying to any UH English graduate programs (MA, MFA, PhDs) who have at least one of the following:

- an overall undergraduate or graduate grade point average of 3.00 or higher (on a 4- point scale) from an institution accredited by one of the six regional accrediting associations as specified in the UH Minimum Qualifications for Admission to Masters and Doctoral Programs (General Admission Policy), or



a grade point average in the top 80% on other GPA scales and a combined IELTS score above 7 or TOEFL score above 79 or a DUOLINGO score above 105.

Consult the Department of English graduate office for additional information and more specific requirements.

Conditional admission may be granted to students whose overall grade point average on the last 60 hours of course credit is at least 2.67 (A=4.00), whose grade point average in the discipline is at least 3.00, and whose scores on the Graduate Record Examination are high enough to indicate probable success in the graduate program.

Degree Requirements

Credit hours required for this degree: 30.0

Students must complete a minimum of 30 term hours of graduate coursework in English. The program requires that coursework be distributed over the historical periods in English and American literature, bibliography and research methods, literary theory, and rhetoric. Specific requirements are as follows:

Core Courses

12.0 Credit Hours

- 3 hours of Research Methods
- 3 hours of Linguistics
- 3 hours of Literature
- 3 hours of Rhetoric, Composition, and Pedagogy

Elective Courses

12.0 Credit Hours

12 hours of elective courses to be chosen by the student

Capstone Experience

6.0 Credit Hours

These will be determined in consultation with a faculty advisor and the Director of Graduate Studies.

- ENGL 7399 - Essay **Credit Hours: 3** *can repeat one time for credit*
- ENGL 7369 - Introduction to Postcolonial Studies **Credit Hours: 3.0**
- ENGL 7396 - Topics in Language & Literature **Credit Hours: 3.0**
(*e.g., London or Washington DC for research at the British Library or Library of Congress*)

Academic Policies

University of Houston Academic Policies
Academic Policies: College of Liberal Arts and Social Sciences



Doctoral

Creative Writing and Literature, PhD

Building on excellence in creative writing and a record of excellence in the student's MA preparation in the broad range of English and American literature or MFA preparation in creative writing and literature, the PhD student in literature and creative writing should work toward increased sophistication as a writer/scholar. The PhD student should also continue to strengthen and deepen an understanding of three areas of expertise: his/her specific genre, including the history of the genre and contemporary theoretical approaches to the genre; a historical period, rhetoric or literary theory; and a specific individualized area of inquiry. The career of a PhD student should be marked by increasing independence in his/her creative writing and in thinking and writing about literature and/or literary theory. Working toward these objectives advances the student's competence in writing the creative dissertation. The PhD in Literature and Creative Writing constitutes solid preparation for creative publication, scholarly publication, and expert undergraduate and graduate teaching.

For more information, please see the PhD in Literature and Creative Writing program page.

Admission Requirements

- MA in English or MFA in creative writing
- 3.5 GPA in graduate studies
- Scores from the GRE General Test
- One foreign language (which may be completed while in residence for the PhD)

Application Materials

In addition to completing the online application, the following documents are required:

Copies of official transcripts with degree(s) posted by each of the colleges and/or universities you have attended in the past - posted to online application.

Official transcripts (sealed in the issuing envelope) from every institution of higher education attended. Official transcripts should be sent directly to:

UH Graduate Admissions Office
University of Houston, Graduate Admissions
P.O. Box 3947
Houston, TX 77253-3947

Three (3) letters of recommendation* from teachers or professionals familiar with your writing and academic skills. Letters will be solicited by the UH Admissions Office electronically.

Official GRE test scores. Official ETS copy of the report is required and should be sent to the University of Houston - Main Campus [institution code 6870]. No department code is needed and indicating one will slow down the application process. Note: Scores take 4 - 6 weeks to reach the university for official verification. Please plan your test date accordingly. Applicants without GRE scores will not be offered admission.

GRE Waiver Option - The GRE requirement is optional for all applicants (both international and domestic) applying to any UH English graduate programs (MA, MFA, PhDs) who have at least one of the following:

- an overall undergraduate or graduate grade point average of 3.00 or higher (on a 4- point scale) from an institution accredited by one of the six regional accrediting associations as specified in the UH Minimum Qualifications for Admission to Masters and Doctoral Programs (General Admission Policy), or
- a grade point average in the top 80% on other GPA scales and a combined IELTS score above 7 or TOEFL score above 79 or a DUOLINGO score above 105.



An original creative manuscript (maximum 10 pages of poetry or 20 - 25 pages of fiction). Fiction manuscripts should be double-spaced, on numbered, single-sided pages: poetry can be single-spaced and formatted as desired. Note: Submitting more than the recommended amount is strongly discouraged and could adversely affect the evaluation process.

A critical manuscript. Provide a scholarly paper written for a literature course.

A personal statement. In 1,000 words or less, state why you wish to pursue graduate study in creative writing: which writers in your genre you are reading and their import to you and your work: and whether you have taught before and intend to pursue teaching as a career.

(Please note: You may apply in more than one genre, but in order to do so you must send separate application packets and application fees for each genre. The applications will be reviewed by different faculty members for each genre.)

*If you are submitting letters of recommendation through a dossier service such as Interfolio, you may leave the recommendation section of the application blank. Letters of recommendation submitted through dossier service should be sent to cwp@uh.edu.

Degree Requirements

Credit hours required for this degree: 45.0

Foreign language

Students must demonstrate reading knowledge of two foreign languages or intensive knowledge of one foreign language.

Two written comprehensive examinations (one a general exam, one a specialized sub field)

One oral comprehensive examination

Dissertation

Distribution of Coursework

3 hours of Introduction to Doctoral Studies in English

3 hours of bibliography, literary theory, or rhetoric. If students have taken a course in one of these areas for the MA, this requirement will be waived, allowing the student an additional 3 hours of elective course work (but not a reduction in the total hours required).

24 hours of literature, including:

either History of Poetry and Poetics or History of Narrative and Narrative Theory

9 hours in early literature (British literature before 1800 and American literature before 1865)

6 hours in later literature

6 hours of elective courses, each contributing to the student's areas of expertise.

Students should select each of these courses in consultation with the graduate advisor and his/her faculty mentors.

3 hours of Writers on Literature

12 hours of creative writing workshops, including 1 Master Workshop in student's program

Academic Policies

University of Houston Academic Policies

College Academic Policies

Departmental Policies

English, PhD

Building on the broader study of an MA degree, the PhD degree in literature features deeper, more sophisticated scholarship.

PhD students craft a program that focuses on three distinct but related fields of expertise:



- A historical period;
- A related historical period, literary theory, or rhetoric
- An area of inquiry specific to your interests and eventual dissertation

The pursuit of PhD study is marked by increasing independence in thinking, writing, and research. The degree offers solid preparation for scholarly publication and expert undergraduate and graduate teaching as well as related cultural professions.

For more information please see [Literature, Literature \(concentration in RCP\)](#)

Admissions Requirements

- MA in English or MFA in creative writing
- 3.5 GPA in graduate studies
- Scores from the GRE General Test
- One foreign language (which may be completed while in residence for the PhD)

Application Materials

Consult the UH Graduate School for detailed instructions on how to submit your application electronically. The English Department requires the following materials:

- Online application and application fee.
- Three letters of recommendation from people who know your academic work well, usually former professors. Letters will be solicited by the UH Admissions Office and submitted electronically.
- Official academic transcripts (sealed in the issuing envelope) from every university or colleges you have attended. Official transcripts should be sent directly to the UH Graduate Admissions Office (University of Houston, Graduate Admissions, P.O. Box 3947, Houston, TX 77253-3947).
- Copies of official transcripts with degree(s) posted, uploaded to online application.
- Official scores for the GRE General Test. An official ETS copy of the report is required and should be to the University of Houston, Main Campus (institution code 6870). No department code is needed, and indicating one will slow down the application process. Note: Scores take 4-6 weeks to reach the university for official verification. Please plan your test date accordingly. Applicants without GRE scores will not be offered admission.

- GRE Waiver Option** - The GRE requirement is optional for all applicants (both international and domestic) applying to any UH English graduate programs (MA, MFA, PhDs) who have at least one of the following:
 - an overall undergraduate or graduate grade point average of 3.00 or higher (on a 4- point scale) from an institution accredited by one of the six regional accrediting associations as specified in the UH Minimum Qualifications for Admission to Masters and Doctoral Programs (General Admission Policy), or
 - a grade point average in the top 80% on other GPA scales and a combined IELTS score above 7 or TOEFL score above 79 or a DUOLINGO score above 105.

- Your Statement of Intent (300-600 words, double-spaced).
- A 15-25-page critical writing sample with bibliography, usually one of your strongest graduate papers.

Degree Requirements

36.0 Credit Hours of coursework (four semesters of full-time study) in this distribution

Literature



36.0 Credit Hours

3.0 Credit Hours of Introduction to Doctoral Studies in English (ENGL 7390).

6.0 Credit Hours of bibliography and research methods, literary theory, or rhetoric. If you have completed a course in any of these areas for the MA, this requirement will be waived, giving you three additional hours of electives (but not a reduction in the total hours required).

27.0 Credit Hours of literature, including 9.0 hours in early literature (divided among British literature before 1800 and American literature before 1865); 6.0 hours in later literature; 12.0 hours of elective courses that contribution to your area of expertise; these courses should be selected in consultation with the graduate advisor and your faculty mentors.

Foreign language: you must demonstrate reading knowledge of two foreign languages or intensive knowledge of one foreign language.

Two written examinations (one in a major field and one in a sub-disciplinary field) followed by an oral defense.

One oral examination of the dissertation prospectus.

Dissertation

Rhetoric, Composition and Pedagogy (RCP) Concentration

36.0 Credit Hours

3.0 Credit Hours of Introduction to Doctoral Studies in English (ENGL 7390)

9.0 Credit Hours of additional core courses: Critical Pedagogy (ENGL 7324), Research Seminar I: Scholarly Reading (ENGL 8318), Research Seminar II: Scholarly Writing (ENGL 8318).

6.0 Credit Hours of fusion courses designed to bridge the theory and practice of Rhetoric and Composition with literature (or accepted substitutions)

9.0 Credit Hours of literature courses.

9.0 Credit Hours of elective courses.

Foreign language: you must demonstrate reading knowledge of two foreign languages or intensive knowledge of one foreign language.

Two written examinations (one in a major field and one in a sub-disciplinary field) followed by an oral defense

One oral examination of the dissertation prospectus

Dissertation

Academic Policies

[University Academic Policies](#)

[College Academic Policies](#)

[Program Policies](#)

Graduate Certificate

Empire Studies, Certificate

Overview

This certificate program allows for the symbiotic development of rich, coordinated course offerings in areas (postcolonial literature and theory) that over the past several years have been in high demand across Literature and Creative Writing. It also offers a more integrated approach to the period- and genre-based courses in English or British literature which the department has always offered. Students going



through this program should emerge with a much more comprehensive sense of how the experience of empire changed over longer periods of time, and a far more concrete sense of how empire played out in a variety of authors, works, and genres spanning several centuries and across the globe. The certificate program would harness and consolidate energies that over the past several years have emerged organically among faculty and students.

To qualify for a Certificate in Empire Studies, Ph.D. students in the Department of English will complete twelve (12) hours of coursework in the field of empire and postcolonial studies.

Course Information

At least six (6) of these hours should be completed within the core course cycle of the specialty:

Represented By:

ENGL 7369 - Introduction to Postcolonial Studies **Credit Hours: 3.0**

ENGL 8386 - Topics in Postcolonial Studies **Credit Hours: 3.0**

AND

ENGL 7325 - The British Empire **Credit Hours: 3.0**

The remaining six hours may be completed either within these core courses or in other offerings designated by Empire Studies faculty as fitting within the disciplinary goals of the certificate program.

Poetry and Poetics, Certificate

College of Liberal Arts and Social Sciences > Department of English > Poetry and Poetics, Certificate

The purpose of this certificate is to provide a useful and marketable specialization in the disciplinary history and current theories of Poetry and Poetics. The English Department is already the home of The Poetics Group, which was formed in 2015 and is interested in poetry and poetics across a variety of theoretical, historical, and aesthetic registers. The Group generates a vital space for wide-ranging conversations (at once diverse and convergent) on the life of a poem, from its most closely observed prosodic elements to its capacity not only for bearing witness and responding to but participating in the business of living, along such dynamic lines as race, gender, economics, and ecological crisis.

For more information please see Department of English.

Admission Requirements

This certificate is open to admitted graduate students in the Department of English. Students interested in pursuing the certificate should contact their academic advisor for details on beginning the program.

Degree Requirements

The Poetry and Poetics Certificate will require a total of three course (9 hours) fulfilled through a combination of 2 core and 1 elective classes.

Required courses



Students must complete 6.0 credit hours from the list below:

- ENGL 7380 - History of Poetry and Poetics **Credit Hours: 3.0**
- ENGL 7396 - Topics in Language & Literature **Credit Hours: 3.0**
Topic(s)
Topics in Poetics

Elective courses

Students must complete 3.0 credit hours from the list below:

- ENGL 8376 - 19th C American Poetry **Credit Hours: 3.0**
- ENGL 8383 - African Amer Poetry/Dra **Credit Hours: 3.0**
- ENGL 8361 - Victorian Poetry **Credit Hours: 3.0**
- ENGL 8382 - Contemp Am Poetry **Credit Hours: 3.0**
- ENGL 7322 - Advncd Poetry Workshop **Credit Hours: 3.0** (major in Creative Writing only)
Other elective options can be approved by the Poetics Faculty director

Academic Policies

University Academic Policies

Department Academic Policies

Translation Studies, Certificate

Graduate Students who complete three graduate courses (9 credit hours) in Translation Studies will be awarded a Certificate in Translation Studies.

Students are required to take:

- ENGL 8390 - Literary Translation **Credit Hours: 3.0**
and then complete their requirements by taking:
 - ENGL 8388 - Topics in Literary Translation **Credit Hours: 3.0** (Take Twice)
OR
Take ENGL 8388 - Topics in Literary Translation
- AND**
ENGL 8389 - Advanced Projects in Translation **Credit Hours: 3.0**

Certificate Information

Graduate students could petition to substitute an appropriate graduate course from Modern and Classical Languages or Hispanic Studies for one of the three required courses.

A student seeking the certificate will produce a substantial translation under the direction of a faculty member. In this way, students who receive a certificate in Translation Studies will demonstrate knowledge in the theory and skill in the practice of literary translation.



Graduate students in the Departments of Hispanic Studies and Modern and Classical Languages would be eligible to work toward a certificate in Translation Studies. These students would fulfill the same requirements as graduate students in the Department of English.

Courses in translation studies are open to all graduate students, not only those who are working toward the Certificate in Translation Studies.

Department of Health and Human Performance

Master

Human Nutrition, MS

The nutrition program within the department of Health and Human Performance offers a fully online non-thesis Master of Science (MS) degree in Nutrition (36 credits). The MS in Nutrition at the University of Houston provides a comprehensive course of study to prepare advanced practitioners in clinical nutrition care of the patient and clinical management. Faculty experts provide instruction on evidence-based medical nutrition therapies, advanced physical assessment skills, development and evaluation of educational programs, and effective management skills for the clinical leader.

All students are required to enroll in practicum courses. Internship experiences may be substituted for course content.

The MS in Nutrition is designed to meet the needs of:

- Currently enrolled dietetic interns desiring a graduate degree.

- Students accepted into a dietetic internship desiring a graduate degree.

- Credentialed Registered Dietitians who have completed their supervised practice experience after 2008.

- Students desiring to advance their nutrition, health, wellness, and fitness knowledge

Graduates of the program will be prepared to work in advanced clinical settings as a practitioner, clinical management leader, or in other nutrition-related positions.

Please visit the Online Master of Science in Nutrition program page for more information.

Admission Requirements

Applicants must meet one of these requirements:

- Currently enrolled in a dietetic internship

- Accepted into a dietetic internship with a documented start date

- Credentialed as an RD in 2008 or later and completed a minimum of 1200 hours of supervised practice.

- Bachelor's degree in nutrition, dietetics, food science, food systems management, or other health career-related subjects.

Application Process:

- Completed University of Houston Graduate School application.

- Official GRE scores sent electronically to institution code 6870 - University of Houston, Main Campus

 - Competitive applicants typically score above the 30th percentile with at least 3.5 on the analytical writing section.

 - Applicants that have been accepted to dietetic internships or completed dietetic internship with partner programs may be exempt from submitting GRE scores



GRE Waiver Option - The GRE requirement is waived for applicants to the Master of Science in Human Nutrition who have graduated from a U.S. institution accredited by a regional accrediting association of higher education with an overall undergraduate grade point average of 3.00 or higher (on a 4-point scale).

Official transcripts from all prior institutions attended.

Major GPA of at least 3.0

A cumulative undergraduate GPA of 2.6 is required to be considered for graduate school at The University of Houston

Dietetic Internship/RD/Supervised practice: Applicants must meet one of these requirements:

Currently enrolled in a dietetic internship

Accepted into a dietetic internship with a documented start date

Credentialed as an RD in 2008 or later and completed a minimum of 1200 hours of supervised practice.

Portfolio

Current resume

Personal Statement

Three academic/professional letters of recommendation

Your recommenders will be contacted automatically and asked to evaluate you through an online system. They should be encouraged to provide comments and/or upload a signed letter as well.

ALL supporting materials, with the exception of official transcripts, should be uploaded through the online application system.

Official transcripts should be submitted to:

University of Houston

Graduate Admissions

P.O. Box 3947

Houston, Texas 77253-3947

Degree Requirements

Credit hours required for this degree: 36.0

The total credit hours for the Master of Science in Nutrition is 36 credits hours (24 core and 12 elective).

All students must:

successfully complete all CORE courses-24 credit hours

successfully complete either elective option A-Registered Dietitian/Nutritionist (12 credit hours) OR elective option B-Non-Registered Dietitian/Nutritionist (12 credit hours).

CORE Master of Science in Nutrition courses (24 credits)

NUTR 6301 - Clinical Aspects of Nutrition Support **Credit Hours: 3**

NUTR 6302 - Advanced Medical Nutrition Therapy **Credit Hours: 3.0**

NUTR 6303 - Nutrition Management and Leadership for the Clinical Professional **Credit Hours: 3.0**

NUTR 6304 - Advanced Nutrition Counseling and Education **Credit Hours: 3.0**

PEP 6305 - Measurmnt Hlt & Phys Educ **Credit Hours: 3.0**

NUTR 6314 - Gender and Culture Issues in Physical Activity and Fitness **Credit Hours: 3**

NUTR 6311 - Capstone I **Credit Hours: 3.0**

NUTR 6312 - Capstone II **Credit Hours: 3**

Elective option A. Registered Dietitian/Nutritionist (12 credits)



NUTR 6307 - Community Nutrition Practice **Credit Hours: 3.0**

NUTR 6308 - Clinical Nutrition Practice I **Credit Hours: 3.0**

NUTR 6309 - Clinical Nutrition Practice II **Credit Hours: 3**

Elective option B. Non-Registered Dietitian/Nutritionist (12 credits)

NUTR 6314 - Gender and Culture Issues in Physical Activity and Fitness **Credit Hours: 3**

NUTR 7313 - Urban Fitness **Credit Hours: 3**

NUTR 7315 - Advanced Nutrition for the Elderly **Credit Hours: 3.0**

NUTR 6316 - Advanced Diabetes Management and Education **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies

Academic Policies: College of Liberal Arts and Social Sciences

Master of Athletic Training, MAT

College of Liberal Arts and Social Sciences > Department of Health and Human Performance > Master of Athletic Training, MAT

Athletic Trainers (ATs) are health care professionals who collaborate with physicians. The services provided by ATs comprise prevention, emergency care, clinical diagnosis, therapeutic intervention and rehabilitation of injuries and medical conditions. Athletic training is recognized by the American Medical Association (AMA) as a health care profession.

Students become eligible for BOC certification through an athletic training degree program accredited by the Commission on Accreditation of Athletic Training Education (CAATE). Students engage in rigorous classroom study and clinical education in a variety of practice settings such as high schools, colleges/universities, hospitals, emergency rooms, physician offices and healthcare clinics over the course of the degree program. Students enrolled in their final term are eligible to apply for the BOC exam.

The Master of Athletic Training (MAT) Program at the University of Houston is an entry-level professional Master's degree accredited by the Commission on Accreditation of Athletic Training Education (CAATE). The MAT degree is designed to meet the current curricular content for the profession and prepare the MAT Student to meet the requirements to sit for the Board of Certification (BOC) for Athletic Training and enter the medical profession as an Athletic Trainer.

Through rigorous classroom study and clinical education assignments in a variety of settings with any one of the MAT Program's clinical affiliated sites and community partnerships, the MAT Student will gain the knowledge, skills, and abilities to meet the demands of the profession.

Employment settings for Athletic Trainers include:

- Professional and Collegiate Sports
- Secondary and Intermediate Schools
- Sports Medicine Clinics
- Hospital Emergency Room and Rehabilitation Clinics
- Occupational Settings
- Fitness Centers
- Physician Offices

The goals of the Master of Athletic Training Program include the following:



Offer a nationally competitive athletic training program that uses the most current National Athletic Trainers' Association (NATA) Educational Competencies and the Board of Certification (BOC) Athletic Training Practice Domains as the infrastructure for the curriculum.

Give the Master of Athletic Training Students opportunities for learning, inquiry, discovery and personal and professional growth in a real world clinical setting with an interdisciplinary group of faculty and preceptors dedicated to program and student success.

Prepare Master of Athletic Training Students to pass the Board of Certification Exam for Athletic Training and enter the workforce as an Athletic Trainer and be successful contributors to the field.

For more information, please visit the Graduate Application Process page.

Admissions Requirements

The MAT Program admits one (1) cohort per year that starts in the Summer term. Applications open in early Fall and close in the early Spring. Typically, the successful applicant that applies to the MAT Program has a solid academic and theoretical background in the study of Kinesiology. Core classes include: anatomy, physiology, exercise physiology, biomechanics, motor learning, functional anatomy, nutrition, statistics, psychology, chemistry, and physics. The successful candidate needs no prior experience in the AT field to apply and be accepted other than the required 50 hours of observation that is included in the application packet.

Application requirements include:

Major GPA of at least a 3.0. A cumulative undergraduate GPA of 2.6 is required to be considered for graduate school at The University of Houston

Official GRE scores sent electronically to institution code 6870 - University of Houston, Main Campus. Competitive applicants typically score above the 30th percentile with at least a 3.5 on the analytical writing section

Three academic/professional letters of reference

Current resume

Statement of professional goals/ personal statement

Application Fee (\$70 domestic applicants/\$100 international applicants)

Observation hours form with 50 completed hours

MAT application agreement

Additional document & testing requirements for International applicants can be found on the International Graduate Student page.

Please visit the MAT Program website for Post-Acceptance Requirements, which include:

Mandatory Immunizations

Background Check

Health Screening

Drug Screening

In addition to the required application materials and post-acceptance requirements, applicants will also be required to complete a phone interview and a video biography submission. Guidelines can be found on the MAT Program website.

Degree Requirements

Credit hours required for this degree: 57.0

MAT students must complete a minimum of 57 prescribed credit hours. Requirements for the completion of the MAT degree include:

Satisfactorily complete all courses in the degree with an overall and term GPA of 3.0 or higher.

Successful completion of all clinical education assignments.

Submission of a minimum of one (1) clinical education case study to a national journal or conference as outlined in the MAT Program Handbook: Clinical Case Study Guidelines.

Please visit the MAT Program Requirements For Completion page for more information.



MAT Program Curriculum:

Summer 1

- ATP 6301 - Anatomy **Credit Hours: 3**
 - ATP 6101 - Anatomical Basis of Athletic Injury Lab **Credit Hours: 1.0**
 - ATP 6302 - Emergency Care **Credit Hours: 3**
 - ATP 6102 - Emergency Management & Prevention of Injury Lab **Credit Hours: 1.0**
 - ATP 6191 - Clinical Experience I **Credit Hours: 1**
- Term Total: 9.0 Credit Hours

Fall 1

- ATP 6311 - Research in Athletic Training **Credit Hours: 3**
 - ATP 6312 - Therapeutic Intervention 1 **Credit Hours: 3**
 - ATP 6313 - Lower Extremity Evaluation **Credit Hours: 3.0**
 - ATP 6113 - Lower Extremity Evaluation Lab **Credit Hours: 1.0**
 - ATP 6192 - Clinical Experience II **Credit Hours: 1**
- Term Total: 11.0 Credit Hours

Spring 1

- ATP 6321 - Athletic Training Administration **Credit Hours: 3.0**
 - ATP 6322 - Pharmacology in Athletic Training **Credit Hours: 3.0**
 - ATP 6323 - Upper Extremity Evaluation **Credit Hours: 3.0**
 - ATP 6123 - Upper Extremity Evaluation Lab **Credit Hours: 1.0**
 - ATP 6293 - Clinical Experience III **Credit Hours: 2**
- Term Total: 11.0 Credit Hours

Summer 2

- ATP 7301 - Head, Neck & Spine Evaluation **Credit Hours: 3.0**
 - ATP 7101 - Head, Neck & Spine Evaluation Lab **Credit Hours: 1.0**
 - ATP 7302 - Gen Med/Pharm 2 - Pathophysiology **Credit Hours: 3**
 - ATP 7194 - Clinical Experience IV **Credit Hours: 1**
- Term Total: 8.0 Credit Hours

Fall 2

- ATP 7311 - Human Performance **Credit Hours: 3**
 - ATP 7312 - Therapeutic Intervention 2 **Credit Hours: 3**
 - ATP 7313 - Rehabilitation of Sports Injuries **Credit Hours: 3.0**
 - ATP 7113 - Rehabilitation of Sports Injuries Lab **Credit Hours: 1.0**
 - ATP 7195 - Clinical Experience 5 **Credit Hours: 1**
- Term Total: 11.0 Credit Hours

Spring 2



ATP 7321 - Behavioral Health in Athletic Training **Credit Hours: 3**

ATP 7322 - Seminar in Athletic Training **Credit Hours: 3.0**

ATP 7196 - Clinical Experience VI **Credit Hours: 1**

Term Total: 7.0 Credit Hours

Academic Policies

Retention Policy

After students have been formally accepted into the Master of Athletic Training program at the University of Houston, the MAT student must maintain an overall and term G.P.A. of 3.0 and/or receive no more than one grade of "C" in any of the required Master of Athletic Training program courses. When a student falls below the required G.P.A. and/or receives a grade of "C" in two or more classes, the MAT student will be removed from the Master of Athletic Training program.

[Department Academic Policies](#)

[College Academic Policies](#)

[University of Houston Academic Policies](#)

Sport and Fitness Administration, MA

[College of Liberal Arts and Social Sciences](#) > [Department of Health and Human Performance](#) > [Sport and Fitness Administration, MA](#)

The Sport and Fitness Administration Program (SFAP) graduate degree provides its students with a comprehensive program of study which integrates theoretical concepts and practical application of management strategies. Cognizant of the diverse demands of the sport/fitness industry and the economic projections within the field, the SFAP is well positioned to address the burgeoning needs of a sport conscious society. Its strategic location in the city of Houston and state of Texas affords students a wealth of opportunities.

Graduates of the program seek placement in a variety of sport and fitness settings including golf country clubs, professional sports franchises, television, university athletic programs, municipal recreation programs, and corporate wellness programs. Emerging topical issues within the program will include metropolitan revitalization through sport and urban fitness.

For more information, please visit the [MA in Sport and Fitness Administration web page](#).

Admission Requirements

Applicants to the MA in Sports & Fitness Administration program must meet the following qualifications:

Cumulative undergraduate GPA of 3.0.

Applicants may also be considered for conditional admission with a cumulative GPA of at least 2.6.

Acceptable scores on the GRE submitted to Institution Code 6870.

Typically expected scores are above the 30th percentile on the quantitative and verbal sections with at least a 3.5 on the analytical writing section.

GRE scores more than 5 years old are not valid.

Completed applications for the SFAP must include:

Three academic/professional letters of reference.

Current resume.

Statement of professional goals and interests.



Application Fee (\$65 domestic applications/\$95 international applicants)

Additional information on documentation required for international students, including details on showing English language proficiency, can be found on the International Graduate Student website.

Degree Requirements

Credit hours required for this degree: 36.0

The following represents minimal expectations regarding the completion of the MA in Sport and Fitness Administration in the College of Liberal Arts and Social Sciences.

A minimum of 36.0 Credit Hours is required and transfer students must complete at least 27.0 Credit Hours at the University of Houston after admission to the graduate program.

A common core of 12.0 Credit Hours is required of all students.

This requirement normally is fulfilled during the first 18 .0 Credit Hours taken at the university.

Students must take a minimum of 15.0 Credit Hours of Program Emphasis Courses.

Students are allowed to take a maximum of 9.0 Credit Hours of Elective coursework that must be approved by their faculty advisor.

A comprehensive examination or completion of a master's thesis is a requirement for this program.

The comprehensive exam will typically be taken in the student's final term.

Comprehensive Exam

A comprehensive examination is required for all students seeking the Master of Arts in Sport and Fitness Administration degree, except for those planning on completing a research-based thesis. Upon approval by the student's faculty advisor, the comprehensive examination may be taken at any time after 18.0 Credit Hours of required coursework is completed. A student must be enrolled in coursework during the term in which the examination is to be taken.

The comprehensive examination is comprised of 4 questions. One question is derived from the material covered in each of the four the Core courses: PEP 6305, PEP 6321, PEP 7306, and PEP 7307. The student must pass the comprehensive examination satisfactorily before the Master of Arts in Sport and Fitness Administration degree is awarded.

Core Courses

12 credit hours

PEP 6305 - Measurmnt Hlt & Phys Educ **Credit Hours: 3.0**

PEP 6321 - Sport in Cont Society **Credit Hours: 3.0**

PEP 7306 - Adm Prncs of Sprts/Exer Prgms **Credit Hours: 3.0**

PEP 7307 - Implmtng Leg Strat Sprts/Fit **Credit Hours: 3.0**

Program Emphasis Courses

At least 15 hours

NUTR 6314 - Gender and Culture Issues in Physical Activity and Fitness **Credit Hours: 3**

PEP 6309 - Policies & Governance of Sport Organizations **Credit Hours: 3.0**

PEP 6322 - Sport Media & Public Relations **Credit Hours: 3.0**

PEP 6355 - Promotional Strategies **Credit Hours: 3.0**

PEP 6397 - Selected Topics in Human Perf **Credit Hours: 3.0**

Topic(s)

Developmental Aspects of Sport **Credit Hours: 3.0**



Sport Event Management **Credit Hours: 3.0**
PEP 7308 - Sports Facility Administration **Credit Hours: 3.0**
PEP 7309 - Sport Finance **Credit Hours: 3.0**
PEP 7393 - Internship & Practicum **Credit Hours: 3.0**

Academic Policies

University Academic Policies
Academic Policies: College of Liberal Arts and Social Sciences

Doctoral

Kinesiology, PhD

The Doctor of Philosophy in Kinesiology program currently focuses on four broad areas of kinesiology, namely motor control and learning, physiology, obesity studies, and sport and fitness administration.

Program Objectives

The Doctor of Philosophy (PhD) in Kinesiology is designed to provide doctoral level training to prepare a professional with the cognitive and research skills needed to be a productive scholar.

The primary objectives of the PhD in Kinesiology are:

- Understand, conduct, disseminate, and critically evaluate research in kinesiology and related fields.
- Deeply understand content in one's chosen field
- Promote the learning of others through strong written and oral communication.
- Prepare program development and research proposals.

The usual time for completion of the PhD (Kinesiology) program is **four to five** years.

For more information, please visit the PhD in Kinesiology program website.

Admission Requirements

Admittance to the program will be based on a series of criteria that includes:

Undergraduate Grade Point Average (GPA): Most admitted students have a GPA above 3.5.

Graduate Record Exam (GRE): Most admitted students score above the 60th percentile on the Quantitative and Verbal Reasoning sections and at least 3.5 on the Analytical Writing section.

Three Letters of Recommendation

Letter of Research Interests with Statement of Professional Goals

Writing Sample (Examples: thesis, journal articles, professional reports, etc.)

Standardized Writing Exercise (Details available from the Graduate Advisor)

Personal Interview with a potential faculty advisor (Note: when possible, this should be an in-person interview; when travel distance is a concern, this may be a telephone or teleconference interview.)

Additional documents and English proficiency requirements for International Graduate Applicants



Degree Requirements

Credit hours required for this degree: 66.0

The PhD in Kinesiology requires a minimum of 66 hours, including 6 hours of required doctoral dissertation hours. These hours are comprised of the required courses below, HHP Journal Colloquium, course hours for preparing the required PhD Candidacy Project, and designated electives that are pertinent to a student's course of study. After completion of the 2nd year, students are required to enroll in PEP 8304 HHP Journal Colloquium each semester until graduation. Electives are to be taken under the direction and approval of the student's faculty advisor. These electives can be drawn from the designated elective course list and include classes (both scheduled and Special Problems classes) offered within the department, classes offered in other departments within the University of Houston, or classes offered in support areas at other academic institutions. The approved electives will provide the student with an academic foundation in the particular discipline of study within the PhD program.

After completion of 45 hours of coursework, students are eligible to sit for the comprehensive exam. In order to advance to candidacy students must pass the comprehensive exam. Students that fail either test two times will be dismissed from the program. To learn more about degree requirements please visit the program details web-page.

In addition to the sequence below, each student will be required to participate in on-going research projects, develop independent research projects, generate research results that form the basis of their candidacy paper and attend research seminars and thesis/dissertation defenses within both the department and the wider scientific research community.

The capstone experience within the PhD (Kinesiology) program is completion of a dissertation research project and dissertation document.

Department Core

The following classes are mandatory for all PhD (Kinesiology) students in HHP:

- PEP 8306 - Scientific Inquiry in Hlt Prof **Credit Hours: 3.0**
- PEP 8314 - Research Methods and Design in KIN **Credit Hours: 3**
- PEP 8323 - Programming & Proposal Writing **Credit Hours: 3.0**
- PEP 8350 - HHP Candidacy Project Research **Credit Hours: 3.0**
- PEP 8350 - HHP Candidacy Project Research **Credit Hours: 3.0** (second semester if needed)

Analytical Methods (9 hours)

Students must complete 9 hours of analytical methods courses approved by their faculty advisory committee.

Emphasis Area (12 hours)

Students must complete 12 credits from their emphasis area approved by their faculty advisory committee. Typically, students will fulfill this requirement through PEP 8304 - Journal Club, however, the faculty advisory committee may approve additional courses.

- PEP 8304 - HHP Journal Colloquium **Credit Hours: 3.0**

Elective Courses (18-27 hours)



Graduate level courses offered inside or outside departments that are not used to meet previous requirements. Students will typically take 12 additional journal club hours and 6-15 hours of approved electives. Elective courses must be approved by the student's faculty advisory committee. Additionally, students may take an additional 6 hours of PEP 8350 - Candidacy Project hours.

PEP 8350 - HHP Candidacy Project Research **Credit Hours: 3.0**

Dissertation Hours (6-12 hours)

PEP 8399 - Doctoral Dissertation **Credit Hours: 3**

PEP 8699 - Doctoral Dissertation **Credit Hours: 6**

PEP 8999 - Doctoral Dissertation **Credit Hours: 9**

Academic Policies

University of Houston Academic Policies

College Academic Policies

Department Academic Policies

Residency Requirements

All PhD (Kinesiology) students are required to enroll in Residency during their first full academic year of entering the program (Fall and Spring semesters).

During this residency period, a student must be enrolled as a full-time student (**i.e. 9 hours of academic classes per semester**) for both the Fall and Spring semesters of their residency period.

During the Fall semester, each student in residency shall enroll and successfully complete the designated departmental residency class, Principles of Scientific Inquiry.

During their residency period, students will be introduced to "professional activities" including research experiences, journal club, seminar attendance, attendance at thesis/dissertation defenses and other experiences that are applicable to continual professional development.

Student Annual Review Process

Annual reviews are formative and are performed each year a student is enrolled in the program.

After review of the information supplied by the advisor and student by the GRD committee, there are **three** potential outcomes of the annual review process that can be arrived at.

These are:

Adequate progress (student continues in the program)

Academic probation (student continues in the program with remedial action determined by the GRD committee).

Termination from the program (after failure of probationary period)

Graduate Certificate



Sport and Fitness Operations Management, Certificate

College of Liberal Arts and Social Sciences > Department of Health and Human Performance > Sports and Fitness Operations Management, Certificate

The graduate certificate in Sport & Fitness Operations Management provides graduate-level students with a focus on the understanding of the organizational, financial, and structural management of business in the sport and fitness industry. Professionals working in the sporting industry can gain additional training and certification to advance into upper management.

Certificate Requirements

Credit hours required for this certificate: 12.0

To earn the certificate, a student must complete the following courses:

PEP 6309 - Policies & Governance of Sport Organizations **Credit Hours: 3.0**

PEP 6322 - Sport Media & Public Relations **Credit Hours: 3.0**

PEP 6397 - Selected Topics in Human Perf **Credit Hours: 3.0**

Topic(s):

Developmental Aspects of Sport

PEP 7309 - Sport Finance **Credit Hours: 3.0**

Academic Policies

College Academic Policies

University of Houston Academic Policies

Strength and Conditioning, Certificate

College of Liberal Arts and Social Sciences > Department of Health and Human Performance > Strength and Conditioning, Certificate

The graduate certificate in Strength and Conditioning provides graduate-level students with a focus on the scientific principles of exercise and their practical applications for enhancing athletic performance, improving general fitness, increasing overall function, and preventing injuries. The coursework combines the research-based knowledge necessary to be a successful strength & conditioning professional, with cutting-edge topics from the industry, and opportunities for problem solving and hands-on application. The curriculum is designed to fully equip students to execute the duties of a fitness specialist in a variety of settings and increase readiness to take the most respected and rigorous certifications in the field, like the NSCA's Strength and Conditioning Specialist and Personal Training certifications. The certificate is also a complementary addition to several other occupations, including nutritionists, coaches, and professionals across the rehabilitation industry.

Certificate Requirements

Credit hours required for this certificate: 12.0

To earn the certificate, a student must complete the following courses:

PEP 6331 - Strength Training Anatomy **Credit Hours: 3.0**

PEP 6332 - Intro Str/Cond Program Design **Credit Hours: 3.0**



PEP 6397 - Selected Topics in Human Perf **Credit Hours: 3.0**

Topic(s):

Functional Training and Injury Prevention

Academic Policies

Academic Policies: College of Liberal Arts and Social Sciences

Univeristy of Houston Academic Policies

Department of Hispanic Studies

Master

Hispanic Studies, MA

The online MA in US Hispanic Studies, in conjunction with the existing Graduate Certificate in Spanish as a Heritage Language, also offered by the Department of Hispanic Studies, is aimed at accomplishing the following:

- preparing a corps of well-trained teachers of Spanish and Hispanic culture for heritage language learners;
- attracting Spanish teachers at schools and community colleges (where the majority of Hispanic students study) to begin their graduate education and even continue beyond the certificate and MA to a PhD;
- strategically enabling other institutions that do not have the advanced programmatic and personnel resources of the University of Houston to further the graduate education of their students receiving BA degrees and teachers in their surrounding communities;
- and
- to allow professionals from diverse fields (e.g., medical, business, the arts) to acquire the necessary tools to successfully work with the Hispanic community in the United States and in global environments.

The online MA in US Hispanic Studies will prepare students in:

- the teaching of Spanish as a heritage language;
- linguistic, cultural, literary, historical, sociopolitical, and artistic components of the U.S. Hispanic community; and
- the application of this knowledge to everyday life in teaching, medical, legal, media, and/or business settings.

Degree Requirements

Credit hours required for this degree: 36.0

The online MA in US Hispanic Studies will consist of a sequence of ten courses and a 6 hours thesis or community project that will offer training in U.S. Spanish and Heritage Language Education to professionals from diverse fields.

Required Courses

12.0 Credit Hours

SPAN 6344 - US Hispanic Literature **Credit Hours: 3.0**

SPAN 6397 - Topics in Span-Amer Lit **Credit Hours: 3.00**



Topic(s): U.S. Hispanic Culture and Civilization

SPAN 6352 - Sociolinguistic Aspects of U.S. Spanish **Credit Hours: 3.0**

SPAN 6389 - Methods of Teaching Spanish Heritage Learners **Credit Hours: 3.0**

Prescribed Elective Courses

24.0 Credit Hours

SPAN 6395 - Topics-Lang&Linguistics **Credit Hours: 3.00**

Topic(s):

U.S. Latinx in Film

Spanish Language as a Resource in the U.S. Professions

U.S. Spanish Speech Variation

SPAN 6353 - Spanish-English Contrastive Analysis **Credit Hours: 3.0**

SPAN 6310 - US Latinx Literature for Children and YA **Credit Hours: 3.0**

SPAN 6390 - Research in Heritage Language Education **Credit Hours: 3.0**

SPAN 6399 - Masters Thesis **Credit Hours: 3**

SPAN 7399 - Masters Thesis **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies

Academic Policies: College of Liberal Arts and Social Sciences

Spanish, MA

The MA program in Spanish offers an academic environment for students interested in advanced studies in the fields of Hispanic, Latin American and Peninsular Literature, and Spanish Linguistics. The program has been designed to provide knowledge and develop critical thinking on traditional and modern approaches used in these fields. The main goal of the MA program in Spanish is the preparation of future professionals to develop successful careers in education, administration, interpretation, and translation in diverse public and private institutions. The MA program in Spanish provides a strong preparation to pursue advanced studies at the PhD level.

For more information, please visit the Hispanic Studies program website.

Admission Requirements

For unconditional admission to the MA program in Spanish, applicants must have earned a Bachelor's Degree in Spanish from an accredited institution, with an overall grade point average of at least 3.00 (A=4.00) for the last 60 hours of course credit. Students who have a Bachelor's Degree in a field other than Spanish must take SPAN 3304, two courses in Spanish Literature at the 4000-level, and one course in Spanish Linguistics before entering the MA (equivalent courses taken in other institutions are accepted).

Applicants must have acceptable scores on the General Aptitude section of the Graduate Record Examination (GRE). Students must meet English language proficiency requirements as seen on the International Graduate Student page. Two confidential letters of recommendation from professors detailing the potentials of the candidate as a student, a statement of purpose in Spanish (500-1000 words) explaining why you wish to pursue a graduate degree, a writing sample (research paper 7-10 pages typed, double-spaced), and official transcripts are also required.



Conditional admission may be granted a domestic applicant who has a grade point average of at least 2.67 and whose scores on the Graduate Record Examination are high enough to indicate probable success in the graduate program.

GRE Waiver Option

The GRE requirement is waived for applicants to the MA; MA/PhD and PhD in Spanish programs who have the following:

MA applicants:

an overall undergraduate grade point average of 3.00 or higher (on a 4-point scale) or 7.2 (on a 10-point scale)

MA/PhD applicants:

an overall undergraduate grade point average of 3.00 or higher (on a 4-point scale), or 7.2 (on a 10-point scale)

PhD applicants:

an overall undergraduate grade point average of 3.00 or higher (on a 4-point scale), or 7.2 (on a 10-point scale)
a master's or terminal degree.

For further information, please call or write:

Department of Hispanic Studies
The University of Houston
3553 Cullen Boulevard Rm 416
Houston, Texas 77204-3062
713-743-3007

Degree Requirements

Credit hours required for this degree: 36.0

A total of 36 hours is required for the M.A. in Spanish, all at the 6000-level or above. Students may elect to write a thesis; if they do so, a maximum of 6 hours of thesis credit may count as part of the 36. A maximum of 6 hours, as well, may be taken in a complementary field outside the department if students obtain written permission in advance from the Graduate Director.

Once admitted to the program, no course in which a grade below B- (2.67) is received may be applied toward the Master's degree. Comprehensive written and oral examinations are required to obtain the degree; these are scheduled during the last term of course work. A minimum of 27 term hours must be earned in residence at the University of Houston.

At the end of each student's first year of course work at the graduate level, a screening procedure will be conducted by all faculty members with whom the student has studied in order to determine whether the individual is progressing satisfactorily toward the degree objective.

Before entering the M.A. Program, students should decide on the concentration they wish their M.A. in Spanish to reflect.

Possible concentrations include:

Spanish literature

Spanish literature and linguistics

Spanish linguistics

Students must take the following required hours in accord with their selected concentration:

Concentration in Literature:

Peninsular Literature Cr. 9



Latin American Literature Cr. 9
Hispanic Literature of the US Cr. 9
Spanish Linguistics Cr. 6
Literature elective Cr. 3

Concentration in Literature/Linguistics:

Literature Cr. 15-18
Linguistics Cr. 15-18

Concentration in Linguistics:

Spanish Linguistics Cr. 30
Literature Cr. 6

Thesis option:

A master's thesis may be substituted for 6 hours in any of these concentrations.

Course lists to accompany fields of study above:

SPAN 6333 - 19Th Century Span Lit **Credit Hours: 3.0**
SPAN 6335 - Golden Age Drama **Credit Hours: 3.0**
SPAN 7394 - Sel Topics Span Literature **Credit Hours: 3.0**
SPAN 6366 - Span-Am Lit To 1830 **Credit Hours: 3.0**
SPAN 6368 - Span-Am Modernism **Credit Hours: 3.0**
SPAN 6375 - Mdrn Spa-Amer Narr 1950 **Credit Hours: 3.0**
SPAN 6379 - Spa-Am Nrrtv 1950/Prsnt **Credit Hours: 3.0**
SPAN 6382 - Golden Age Prose **Credit Hours: 3.0**
SPAN 6385 - Cntmpry Spa-Amer Poetry **Credit Hours: 3.0**
SPAN 6386 - Contemporary Span Fictn **Credit Hours: 3.0**
SPAN 6397 - Topics in Span-Amer Lit **Credit Hours: 3.00**
SPAN 7391 - Sel Topics Spanish Amer Lit **Credit Hours: 3.00**

Hispanic Literature of the US

SPAN 6344 - US Hispanic Literature **Credit Hours: 3.0**
SPAN 6345 - Las Mujeres Reescriben America **Credit Hours: 3.0**
SPAN 7395 - Sel Topics in US Hispanic Lit **Credit Hours: 3.0**
POLS 6380 - Quantitative Methods I **Credit Hours: 3**

Linguistics

SPAN 6305 - Teaching Spanish for Acquisition **Credit Hours: 3.0**
SPAN 6308 - Introduction to Spanish Linguistics **Credit Hours: 3.0**
SPAN 6320 - Research in Spanish Second Language Acquisition **Credit Hours: 3.0**
SPAN 6330 - Language Variation and Change **Credit Hours: 3.0**
SPAN 6331 - Historical Grammar **Credit Hours: 3.0**



SPAN 6354 - Spanish Phonetics and Phonetic Variation **Credit Hours: 3.0**
SPAN 6355 - Spanish Phonology **Credit Hours: 3.0**
SPAN 6356 - Spanish Syntax **Credit Hours: 3.0**
SPAN 6358 - Spanish Sociolinguistics **Credit Hours: 3.0**
SPAN 6389 - Methods of Teaching Spanish Heritage Learners **Credit Hours: 3.0**
SPAN 6390 - Research in Heritage Language Education **Credit Hours: 3.0**
SPAN 6394 - Topics-Teaching Spanish **Credit Hours: 3.0**
SPAN 6395 - Topics-Lang&Linguistics **Credit Hours: 3.00**
SPAN 6398 - Spanish Phonetics & Phonology **Credit Hours: 3.0**
SPAN 7301 - Methods Hisp Lit & Lang **Credit Hours: 3.0**
SPAN 7393 - Sel Tops Meth Span Linguistics **Credit Hours: 3.00**

Academic Policies

Academic Policies: College of Liberal Arts and Social Sciences

University of Houston Academic Policies

Doctoral

Spanish, PhD

The Department of Hispanic Studies is at the forefront of research and teaching of Hispanic literature and Spanish linguistics. Our offering in Hispanic literature and Hispanic linguistics now encompasses the literatures written throughout the Americas and Spain. Given Houston's location, as well as Arte Público Press and the Recovering the U.S. Hispanic Literary Project at UH, our PhD program offers an optimal environment in which to achieve excellence.

For more information, please visit the Spanish, PhD program page.

Admission Requirements

For unconditional admission to the PhD in Spanish, applicants must have earned an MA degree in Spanish, or its equivalent, with a minimum grade point average of 3.20 (A = 4.00).

Students who have an MA degree in a field other than Spanish and are seeking a PhD with an emphasis in literature must take, concurrently with the other courses normally required for the doctoral program, one course from each of the following groups:

- Hispanic literature of the United States
- Latin American literature through Modernism
- Latin American literature since Modernism
- Peninsular literature through the XVII century
- Peninsular literature, centuries XVII through XX

Students with an MA degree in a field other than Spanish whose emphasis is linguistics will be required to take SPAN 6308 Introduction to Spanish Linguistics, plus one course from each of the following groups:

- Formal linguistics (Syntax, semantics, or pragmatics)
- Formal linguistics (Phonetics or phonology)
- Sociolinguistics



Applied linguistics

Applicants must have acceptable scores on the General Aptitude section of the Graduate Record Examination (GRE). International applicants must meet English language proficiency requirements as seen on the International Graduate Students website. Three confidential letters of recommendation from professors detailing the potential of the candidate as a graduate student, a statement of purpose in Spanish (500-1000 words) explaining why you wish to pursue a graduate degree, a writing sample (research paper 7-10 pages typed, double-spaced), and official transcripts are also required.

GRE Waiver Option

The GRE requirement is waived for applicants to the MA; MA/PhD and PhD in Spanish programs who have the following:

MA applicants:

an overall undergraduate grade point average of 3.00 or higher (on a 4-point scale) or 7.2 (on a 10-point scale)

MA/PhD applicants:

an overall undergraduate grade point average of 3.00 or higher (on a 4-point scale), or 7.2 (on a 10-point scale)

PhD applicants:

an overall undergraduate grade point average of 3.00 or higher (on a 4-point scale), or 7.2 (on a 10-point scale)
a master's or terminal degree.

Degree Requirements

Credit hours required for this degree: 42.0

The PhD in Spanish requires that, beyond the achievement of the master's degree, students complete a minimum of 36 semester hours of approved graduate courses and 6 semester hours of dissertation as follows:

Required core courses	Cr. 6.0
Elective courses	Cr. 30.0
Dissertation	Cr. 6.0

Once admitted to the program, no course in which a grade below B- (2.67) is received may be applied toward the PhD degree.

At the end of each student's first year of course work at the PhD level, a screening procedure will be conducted by all faculty members with whom the student has studied in order to determine whether the individual is progressing satisfactorily toward the degree objective.

Required Coursework

Students from each concentration (Creative Writing, Linguistics, and Literature) must take:

one course (3 credit hours) in U.S. Latino Studies/U.S. Spanish and

one course (3 credit hours) outside their concentration, either in another concentration in Hispanic Studies or in another department on campus.

Courses in other departments will be chosen in consultation with the student's faculty advisor and approved by the Director of Graduate Studies.

Language requirements

Reading knowledge of one language in addition to Spanish and English is required (in addition to the 42 hours referred to above). Reading knowledge may be demonstrated in one of the following ways:



Four college terms at the undergraduate level (or equivalent proficiency as demonstrated by testing) in another Romance language.
Reading knowledge of Latin or any other approved language, as demonstrated either by:
satisfactory scores on the Educational Testing Service examinations for that language, or
the completion of two terms of graduate reading courses in the language chosen with a grade of B- or higher.

PhD Comprehensive Exam

A written examination over different areas in literature and linguistics as well as an oral examination must be successfully taken before admission to candidacy.

PhD Dissertation

The student must develop a dissertation which can be considered to be original and of significance to scholarship in the respective field.

Academic Policies

University of Houston Academic Policies
Academic Policies: College of Liberal Arts and Social Sciences

Graduate Certificate

Spanish as a Heritage Language Certificate

College of Liberal Arts and Social Sciences >Department of Hispanic Studies >Spanish as a Heritage Language Certificate

Introduction

The Graduate Certificate in Spanish as a Heritage Language (SHL) is a twelve (12) credit post-baccalaureate program that will offer training in U.S. Spanish and Heritage Language Education to those interested in the subject. The certificate includes courses from a variety of perspectives that will prepare teaching professionals to work with Hispanic heritage language learners at secondary and post-secondary levels.

The program allows direct entry to those with a bachelor's degree who seek some graduate-level work to enhance their knowledge and skills in particular areas but who are not interested in earning a graduate degree. Post-baccalaureate students who successfully complete the four-course sequence will receive a Certificate in Spanish as a Heritage Language. Upon completion of the certificate, participants who may be interested in continuing their studies will be eligible to apply to the M.A. program in Spanish, and if accepted, petition for the credits to be counted towards the master's course load.

The certificate program is also open to students already matriculated in Spanish graduate degree programs at UH. Upon completion of the program's four courses, students currently enrolled as degree-seeking in the Spanish M.A. or Ph.D. programs will be granted the SHL Certificate.

How To Apply For the Certificate

Individuals interested in the SHL Graduate Certificate will find more information on the Hispanic Studies web page (<http://www.uh.edu/class/spanish/>).



An undergraduate degree in Spanish (or equivalent) will be required for admission to the post-baccalaureate program. Applicants must submit an official transcript showing that the undergraduate degree has been awarded.

Explanation of the Certificate

Requirements for the Graduate Certificate include four (4) Hispanic Studies graduate courses.

Twelve (12) Credit Hours:

SPAN 6389 - Methods of Teaching Spanish Heritage Learners **Credit Hours: 3.0**

SPAN 6344 - US Hispanic Literature **Credit Hours: 3.0**

SPAN 6397 - Topics in Span-Amer Lit **Credit Hours: 3.00**

(Topic: U.S./Hispanic Culture and Civilization)

SPAN 7393 - Sel Tops Meth Span Linguistics **Credit Hours: 3.00**

(Topic: U.S./Spanish: Sociolinguistic Aspects)

Other Information

Program director's approval needed to substitute a course.

The courses will be offered in face-to-face or hybrid-format on evenings and/or Saturdays during the long semesters and in the summer.

Department of History

Master

History, MA

College of Liberal Arts and Social Sciences > Department of History > History, MA

The Department of History offers MA degrees in United States, European, Latin American, Ancient, Modern Arab/Middle East, Transnational, and Public History in all chronological periods. Furthermore, coursework is available in African, Asian, Modern Arab/Middle East and World history.

Admission Requirements

The University of Houston sets minimum standards for graduate admissions, but the Department of History has established supplemental requirements. All students seeking admission into the graduate program in History must complete an online application from the University Office of Admissions. The deadline for applications is January 1. All application materials must be received by that date. All applications are accepted to begin in the Fall term only. Please consult the History Department website: (<http://www.uh.edu/class/history/>) or contact the graduate advising assistant for detailed information on requirements and procedures.

Overall 3.3 average (B+) on the last sixty hours (60) of course credit.

A minimum of 18 hours in history or other relevant courses with a 3.3 (B+) average.

Acceptable GRE scores.



- Three letters of recommendation.
- A one-to two page personal statement indicating the applicant's academic interests.
- A writing sample.
- Official transcripts from every college and university attended.
- University of Houston on-line graduate application.
- A non-refundable application fee.

Degree Requirements

Plan I: M.A. Thesis Track

Plan I has a teaching and research focus, and requires the completion of a thesis. Students who are considering continuation of their graduate work in history beyond the M.A. degree most often should select this option if they are not ready to commit to a Ph.D. program. The degree required a minimum of thirty (30) hours of credit in graduate-level (6000) courses, including coursework and six (6) hours of thesis credit. Reading knowledge in at least one foreign language is required.

Plan II: M.A. Non-Thesis Track

Plan II is designed for students who desire advanced preparation in History (especially teachers seeking to strengthen their mastery of their subject fields), but who do not expect to pursue work toward a Ph.D., and who do not wish to take advanced training in historical research. Thirty-six (36) hours of credit in graduate (6000-level) courses, in specific areas, are required. There is no foreign language requirement for this track.

Plan III: Public History Thesis Track

The Public History Thesis Track is designed for students who intend to pursue a career in a variety of areas of public history. Many students in Plan III will work toward the M.A. as a terminal degree, but some may choose to pursue the Ph.D. Thirty (30) hours of credit in graduate-level (6000) courses are required, including coursework, six (6) hours of Public History Internship, and six (6) hours of thesis credit. A foreign language is required.

Plan IV: Public History Non-Thesis Track

The Public History Non-Thesis Track is considered the primary degree plan for public history, due to its focus on applied use of skills in practical settings. It serves students who intended to pursue careers in public history fields such as institutional history, cultural resources management, historical policy and analysis, community history, historical editing, historical archives and records management, and the creation, interpretation, and management of historical exhibits. Thirty-six (36) hours of credit in graduate-level (6000) courses are required, including coursework and nine (9) hours of Public History Internship. A foreign language is not required.

Additional information concerning required courses in major and minor fields, examinations, residency requirements and the like should be obtained from the Department of History's website: <http://www.uh.edu/class/history/>.

Doctoral

History, PhD



The Department of History offers PhD degrees in United States, European, Latin American, Ancient, Modern Arab/Middle East, and Transnational history in all chronological periods. Transnational scholarship may include America and the world; the Atlantic World; comparative history involving study of two or more countries, regions, or continents; energy and the environment; gender; immigration history; international relations; the Pacific Rim; and race and ethnicity. Students may base their Transnational work in any of the regions where the department has faculty resources: Africa, Asia, Europe, Latin America, Modern Arab/Middle East, or the United States.

Admission Requirements

The University of Houston sets minimum standards for graduate admissions, but the Department of History has established supplemental requirements. All students seeking admission into the graduate program in History must complete an online application from the University Office of Admissions. The deadline for applications is January 1. All application materials must be received by that date. All applications are accepted to begin in the Fall semester only. Please consult the History Department website: <http://www.uh.edu/class/history/> or **contact the graduate advising assistant for detailed information on requirements and procedures.**

Overall 3.67 (A-) average on all graduate work attempted (for applicants to the M.A. to Ph.D. track) or overall 3.67 (A-) average on the last sixty (60) hours of undergraduate course credit (for applicants to the B.A. to Ph.D. track).

A minimum of 18 hours in history or other relevant courses with a 3.67 (A-) average.

Acceptable GRE scores.

Demonstrate a reading proficiency in at least one foreign language before or during the first semester of residence in the Ph.D. program.

Three letters of recommendation.

A one- to two-page personal statement indicating the applicant's academic interests is required.

A writing sample.

Official transcripts from every college and university attended.

University of Houston on-line graduate application.

A non-refundable application fee.

Degree Options and Requirements

B.A. to Ph.D. Track:

The Ph.D. Program provides the training necessary for careers in college teaching and historical research. Some students also may wish to pursue the Ph.D. for careers in a variety of public history or applied history fields. This track is intended for students who have earned a B.A. in history or a related discipline. Reading knowledge in at least one foreign language is required. The degree requires a minimum of fifty-four (54) hours of credit in graduate-level (6000) courses, including coursework and nine (9) dissertation credit hours.

M.A. to Ph.D. Track:

The Department of History offers a separate curriculum plan for graduate students who have earned an M.A. in history or a related discipline. Reading knowledge in at least one foreign language is required. The degree requires a minimum of forty-five (45) hours of credit in graduate-level (6000) courses, including coursework and nine (9) dissertation credit hours.

The Ph.D. degree is awarded on the completion of a dissertation that makes a significant contribution to knowledge. The dissertation should be based upon original, independent research drawing heavily from primary sources. From the beginning of the doctoral program, the student should be investigating possible topics in conjunction with the faculty advisor.

Additional information concerning required courses in major and minor fields, examinations, residency requirements, and the like should be obtained from the Department of History's website: <http://www.uh.edu/class/history/>.



Department of Modern and Classical Languages

Master

World Cultures and Literatures, MA

College of Liberal Arts and Social Sciences > Department of Modern and Classical Languages > World Cultures and Literatures, MA

The MA in World Cultures and Literatures is an innovative, interdisciplinary graduate program with strong cultural studies focus and in-depth study in one of the target languages and/or cultures. With an emphasis on languages, literatures, and cultures, the WCL MA program involves a wide range of possible directions as it seeks to meet individual student's academic and career interests and needs. The program addresses issues such as modernity, postmodernity, globalization, colonialism and post-colonialism, transnational and transcultural concerns, urban and diasporic studies, and the formation of cultural identities. It incorporates literary, film, visual, media, and gender studies. Students in language core areas acquire high proficiency in the target language, translation skills, and, in some areas of concentration, training in applied linguistics and second language teaching.

Areas of Concentration

- Chinese
- French
- German
- Italian
- European Cultural Studies with French, German or Italian Core
- Latin American and Latino Cultural Studies
- Comparative Literary and/or Cultural Studies
- Global Cinema Studies

Our faculty, dedicated scholars and teachers drawn from the Chinese, Classical Studies, French, German, Italian, and World Cultures and Literatures programs of the Department of Modern and Classical Languages as well as from other disciplines and departments, provide students with diverse perspectives and approaches relevant to the study of cultures and languages in multiple contexts. Instruction is student-centered, engaging, and encourages faculty-mentored individual and collaborative research. We are committed to excellence in scholarship, student success, and cultural diversity.

The MA in World Cultures and Literatures prepares and qualifies students for a wide range of career areas or for doctoral studies in given languages. In a rapidly changing job market, there is a growing demand for people with an understanding of historical and global contexts who can think across cultures and disciplines, imaginatively frame questions and consider multiple perspectives, combine various approaches and find innovative solutions. The WCL MA contributes to the University of Houston's mission of preparing students for an increasingly diverse and interdependent world and accommodates the educational needs of:

- BA recipients who want to go on to a more advanced language training in a terminal MA program;
- BA recipients who wish to complete an MA as a bridge program to prepare them for doctoral study at other universities;
- Working professionals, including foreign language teachers, who wish to continue their education in foreign languages and cultures.

Admission Requirements

- Minimum of 3.0 GPA in last 60 hrs
- Competitive GRE scores
- Major in target language, or



Minor in target language and approval of director (admitted provisionally), or
High level in target language and some background in target culture and/or literature, with approval of director (admitted conditionally;
conditional admission is not available to students on an F-1 visa)

Students should submit the following materials:

The on-line application

Application fee (\$50 domestic applicants/\$125 international applicants)

Official transcripts from every institution of higher education attended

The GRE general test score (The ETS code for the University of Houston is 6870)

2-3 letters of recommendation

Completed departmental application form with student's statement of intent (500 words) and a brief statement in the target/core language (200 words) explaining why you wish to study at the graduate level

International applications have additional documentation requirements, including TOEFL scores if appropriate. For further information, please visit the International Graduate Students page.

Degree Requirements

Credit hours required for this degree: 30.0

A minimum of 30 hours is required for the WCL M.A., all at the 6000-level or above. Students may elect to write a thesis, complete a translation project in literary/cultural studies, or develop an editing project; if they do so, a maximum of 6 hours of thesis credit may be added on to their requirement. In alternative, students may elect the non-thesis option: they will submit to the director of graduate studies, by the middle of their final term, a copy (in English translation if the paper was originally written in another language) of a seminar paper they judge to be their best. The paper should be revised and expanded in light of further consultation with the professor in the seminar and the director of graduate studies. Students will receive no credit for the non-thesis option. Before entering the M.A. Program, students should decide on a concentration they wish to pursue. Careful advising of individual students will ensure that students build a curriculum that supports their academic and career goals. However, the program is so designed that students may change directions with little or no need for extra courses. The course choices currently include 6000 level courses in MCL and other departments. Courses at the 8000 level require the permission of the instructor.

A minimum 3.0 grade point average for all courses in the M.A. Program is required.

Required Coursework

Total of 30 hours without thesis:

WCL 6351 - Frames of Modernity **Credit Hours: 3.0**

WCL 6352 - Postmodernity & Globalization **Credit Hours: 3.0**

or

WCL 6353 - Frames of Modernity III: Classics and Modernity **Credit Hours: 3.0**

3.0 hrs. in 6000-level history course related to target culture/area of concentration

15.0 hrs. in 6000-level language, linguistics or literature courses related to area of concentration

6.0 hrs. electives in courses related to the area of concentration in literary theory, philosophy, cultural studies, pedagogy, global cinema studies, etc. offered by MCL or another program and approved by director, including practice teaching, internship, study abroad and publications skills preparation as WCL's special elective

Language Requirements

English; proficiency in core concentration/target language, demonstrated by either



completion of B.A. or equivalent;

completion of four terms of undergraduate coursework in that language followed by approval of the MCL program director of core concentration/target language;

native or acquired fluency, followed by approval of the MCL program director of core concentration/target language.

Reading knowledge of a language other than English and the core concentration/target language desirable. Reading knowledge in the third language can be satisfied while enrolled in the graduate program through completion of two terms of graduate reading courses in the language with a grade of B- (2.67) or higher.

Areas of Concentration & Specific Requirements

Chinese:

WCL 6351 - Frames of Modernity **Credit Hours: 3.0**

WCL 6352 - Postmodernity & Globalization **Credit Hours: 3.0**

CHIN 6364 - Issues in Chinese Language & Culture **Credit Hours: 3**

CHIN 6371 - Teaching Chinese as a 2nd Language **Credit Hours: 3**

CHIN 6373 - Chinese Second Language Curriculum Design and Instruction **Credit Hours: 3**

CHIN 6397 - Selected Topics **Credit Hours: 3** (repeated, as topics vary, with approval of chair; 6.0 credit hours)

3 hrs. in 6000-level history course in Chinese or Asian history

6 hrs. in cultural studies, Asian American studies, translation studies, or other relevant courses

French:

WCL 6351 - Frames of Modernity **Credit Hours: 3.0**

WCL 6352 - Postmodernity & Globalization **Credit Hours: 3.0**

WCL 6353 - Frames of Modernity III: Classics and Modernity **Credit Hours: 3.0**

3 hrs. in 6000-level history course related to target culture

9 hrs. selected from any of the 6000-level literature courses taught in French

6 hrs. in theory, cultural studies, film / visual studies, translation studies, architectural or art history, philosophy, pedagogy, or other courses relevant to the core, taught in MCL or other departments

6.0 hours selected from:

FREN 6313 - Advanced Composition and Stylistics **Credit Hours: 3.0**

FREN 6315 - Advanced Translation **Credit Hours: 3.0**

FREN 6316 - Contemporary France **Credit Hours: 3.0**

German:

WCL 6351 - Frames of Modernity **Credit Hours: 3.0**

WCL 6352 - Postmodernity & Globalization **Credit Hours: 3.0**

WCL 6353 - Frames of Modernity III: Classics and Modernity **Credit Hours: 3.0**

3.0 hrs. in 6000-level history course related to target culture

15.0 hrs. selected from 6000-level courses taught in German

6.0 hrs. in theory, cultural studies, film / visual studies, translation studies, architectural or art history, philosophy, pedagogy, or other courses relevant to the core, taught in MCL or other departments

Italian:



WCL 6351 - Frames of Modernity **Credit Hours: 3.0**

WCL 6352 - Postmodernity & Globalization **Credit Hours: 3.0**

or

WCL 6353 - Frames of Modernity III: Classics and Modernity **Credit Hours: 3.0**

3.0 hrs. in 6000-level history course related to target culture

6.0 hrs. in theory, cultural studies, film/visual studies, translation studies, architectural or art history, philosophy, pedagogy, or other courses relevant to the core, taught in MCL or other departments

ITAL 6305 - Teaching Italian as a Foreign Language **Credit Hours: 3.0**

ITAL 6306 - Advanced Italian Cinema **Credit Hours: 3.0**

ITAL 6308 - Italian Heritage **Credit Hours: 3.0**

ITAL 6397 - Selected Topics in Italian Literature **Credit Hours: 3**

ITAL 6398 - Special Problems Ital Culture **Credit Hours: 3.0**

European Cultural Studies with French, German or Italian Core:

3.0 hrs. in European history

15.0 hrs. in French, German, or Italian cultural and literary studies including at least 6 hrs. in one target language (primary area of concentration)

6.0 hrs. in theory, cultural studies, film/visual studies, translation studies, architectural or art history, philosophy, pedagogy, publishing skills, or other courses outside of but related to the student's core emphasis

6.0 hours selected from:

WCL 6351 - Frames of Modernity **Credit Hours: 3.0**

WCL 6352 - Postmodernity & Globalization **Credit Hours: 3.0**

WCL 6353 - Frames of Modernity III: Classics and Modernity **Credit Hours: 3.0**

Latin American and Latino Cultural Studies:

3.0 hours in Latin American history

15.0 hours in Latin American and Latino cultural and literary studies courses

6.0 hours in theory, cultural studies, film/visual studies, translation studies, architectural or art history, philosophy, pedagogy, publishing skills, or other courses outside of but related to the student's core emphasis.

6.0 hours selected from:

WCL 6351 - Frames of Modernity **Credit Hours: 3.0**

WCL 6352 - Postmodernity & Globalization **Credit Hours: 3.0**

WCL 6353 - Frames of Modernity III: Classics and Modernity **Credit Hours: 3.0**

Global Cinema Studies:

6.0 hours selected from:

WCL 6351 - Frames of Modernity **Credit Hours: 3.0**

WCL 6352 - Postmodernity & Globalization **Credit Hours: 3.0**

WCL 6353 - Frames of Modernity III: Classics and Modernity **Credit Hours: 3.0**

3.0 hours in:

WCL 6379 - Critical Theory & Globalization **Credit Hours: 3.0**

Upon prior approval of the Director of WCL, courses allowed as substitutes may be chosen among:

ANTH 6340 - Anthropology and Literature **Credit Hours: 3.0**



ARTH 6301 - Critical Theory **Credit Hours: 3.0**
COMM 6360 - Crit Theory in Media & Culture **Credit Hours: 3.0**
ECON 6368 - International Economics **Credit Hours: 3.0**
ENGL 6315 - Crit Cultural Theory **Credit Hours: 3.0**
HIST 6391 - World Hist Theory & Teaching **Credit Hours: 3.0**
PHIL 6356 - Feminist Philosophy **Credit Hours: 3.0**
SPAN 7304 - Critical Theory **Credit Hours: 3.0**
POLS 6345 - History of Political Theory **Credit Hours: 3**

6.0 hours in:

WCL Culture / Literature courses offered by other Departments upon prior approval of the Director of WCL. Courses allowed as substitutes may be chosen among 6000-level courses in English, Philosophy, and Spanish.

15.0 hours of film/culture courses chosen among:

CHIN 6350 - Studies in Chinese Cinema **Credit Hours: 3**
CLAS 6381 - Latin Classics in Translation **Credit Hours: 3.0**
FREN 6318 - French Cinema **Credit Hours: 3.0**
FREN 6321 - Francophone Cinema **Credit Hours: 3.0**
ITAL 6306 - Advanced Italian Cinema **Credit Hours: 3.0**
WCL 6355 - Utopias and Dystopias **Credit Hours: 3.0**
WCL 6356 - Studies in World Film and Film Theory **Credit Hours: 3.0**
WCL 6357 - Studies in National and Transnational Cinema **Credit Hours: 3.0**
WCL 6358 - Studies in Asian Cinema **Credit Hours: 3.0**
WCL 6359 - World Film, Gender, and Sexuality **Credit Hours: 3.0**
WCL 6364 - Holocaust Representations **Credit Hours: 3.0**
WCL 6366 - Latin American & Latino Film Studies **Credit Hours: 3.0**
WCL 6365 - World Documentary Film **Credit Hours: 3.0**

Comparative Literary and/or Cultural Studies:

3.0 hrs. in history related to student's primary area of concentration
9.0 hrs. of literature/culture courses in language related to student's primary area of concentration
6.0 hrs. of literature/culture courses in secondary area of concentration

6.0 hours in:

WCL 6351 - Frames of Modernity **Credit Hours: 3.0**
WCL 6352 - Postmodernity & Globalization **Credit Hours: 3.0**
WCL 6353 - Frames of Modernity III: Classics and Modernity **Credit Hours: 3.0**

6.0 hours in:

WCL 6379 - Critical Theory & Globalization **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies
Academic Policies: College of Liberal Arts and Social Sciences

Graduate Certificate



Applied Linguistics in Teaching Chinese Certificate

College of Liberal Arts and Social Sciences > Department of Modern and Classical Languages > Applied Linguistics in Teaching Chinese Certificate

The Graduate Certificate: Applied Linguistics in Teaching Chinese is a nine (9) credit postbaccalaureate program offered by the Chinese Studies Program, Department of Modern and Classical Languages (MCL). It is open to individuals interested in enhancing their knowledge and skills in Chinese language, culture, and teaching Chinese as a second language.

Certificate Requirements

Certificate Total: 9.0 Credit Hours

Course Requirements

3.0 Credit Hours

CHIN 6373 - Chinese Second Language Curriculum Design and Instruction **Credit Hours: 3**

Elective Course Options

6.0 Credit Hours

Knowledge and Skills and Pedagogical Grammar

3.0 Credit Hours

CHIN 6366 - History of the Chinese Language **Credit Hours: 3**

CHIN 6371 - Teaching Chinese as a 2nd Language **Credit Hours: 3**

Research

3.0 Credit Hours

CHIN 6367 - Sociolinguistic Fieldwork Methods **Credit Hours: 3**

CHIN 6372 - Studies of Chinese Language Acquisition **Credit Hours: 3**

Academic Policies

University Academic Policies

Academic Policies: College of Liberal Arts and Social Sciences

Global Cinema Studies Certificate

College of Liberal Arts and Social Sciences > Department of Modern and Classical Languages > Global Cinema Studies Certificate



The Graduate Certificate in Global Cinema Studies is a nine-hour disciplinary concentration. It is open to students in all UH graduate and professional degree programs. It is also open to students seeking a graduate certificate only, teachers and professionals interested in enhancing their knowledge of transnational cinema. The Graduate Certificate in Global Cinema Studies introduces students to advanced discussions, analyses, and theoretical perspectives in the discipline of World Cinema. Global Cinema Studies address the human experience from multi-ethnic and multi-cultural perspectives, and are particularly suited to the UH diverse student population and the enhancement of transcultural awareness. The courses are open to all graduate students, either in World Cultures and Literatures or in other disciplines. The Certificate will increase their chances to securing a job in the growing national and transnational market for communication and entertainment which requires cultural flexibility and a certain degree of knowledge in visual culture extending beyond U.S. cinema.

Admission Requirements

Students apply through the online graduate application and submit
official transcripts (minimum of 3.0 GPA in last 60 hrs.),
two letters of recommendation, and
the Graduate Certificate Application.

Students who are already in a UH graduate degree program, and are interested in the Graduate Certificate in Global Cinema Studies must

submit the Graduate Certificate Application via e-mail to acarrera@uh.edu and mercolani@uh.edu, or via mail to:
Director of Graduate Studies, WCL,
Department of Modern and Classical Languages
University of Houston
3553 Cullen Boulevard, Room 612
Houston, TX 77204-3006

Certificate Requirements

Certificate Total: 9.0 Credit Hours

The Graduate Certificate in Global Cinema Studies requires nine hours in film courses. Students will take WCL 6356 (World Film and Film Theory) plus two other graduate courses in national and/or transnational cinema, Asian cinema, gender and cinema, or courses with a strong cinema component selected from among the courses offered at the Department of Modern and Classical Languages. Students enrolled in other Departments will take WCL 6356 plus at least one course selected from among the cinema courses listed below. The remaining three hours may be selected from among cinema courses offered in other departments, upon prior approval of the director of the Graduate Program in World Cultures & Literatures.

GCS Core Course

3.0 Credit Hours

Taught in English

WCL 6356 - Studies in World Film and Film Theory **Credit Hours: 3.0**

Elective Course Options

6.0 Credit Hours

Electives - Taught in English



WCL 6357 - Studies in National and Transnational Cinema **Credit Hours: 3.0**

WCL 6358 - Studies in Asian Cinema **Credit Hours: 3.0**

WCL 6359 - World Film, Gender, and Sexuality **Credit Hours: 3.0**

WCL 6364 - Holocaust Representations **Credit Hours: 3.0**

WCL 6365 - World Documentary Film **Credit Hours: 3.0**

WCL 6366 - Latin American & Latino Film Studies **Credit Hours: 3.0**

WCL 6355 - Utopias and Dystopias **Credit Hours: 3.0**

Electives - Taught in English or Other Language

The following courses are taught either in English or in the language of the concentration to which they belong. Graduate students will have to check with the instructor before enrolling. Students will get language credit if they write their papers in the language of the course's concentration.

CHIN 6350 - Studies in Chinese Cinema **Credit Hours: 3**

FREN 6318 - French Cinema **Credit Hours: 3.0**

FREN 6321 - Francophone Cinema **Credit Hours: 3.0**

ITAL 6306 - Advanced Italian Cinema **Credit Hours: 3.0**

Academic Policies

University Academic Policies

Academic Policies: College of Liberal Arts and Social Sciences

Department of Philosophy

Master

Philosophy, MA

College of Liberal Arts and Social Sciences > Department of Philosophy > Philosophy, MA

Admission Requirements

For unconditional admission to the Master of Arts program in philosophy, applicants must normally have completed 18 term hours in philosophy at an accredited institution, including courses that are the equivalents of those required for our bachelor's degree:

Two courses in the history of western philosophy, one of which must cover either Ancient Philosophy or Early Modern Philosophy

Ethics

Logic I

Applicants must have a grade point average of at least 3.33 (A=4.00) on the last 60 hours of course credit. Unconditional admission also requires that applicants have acceptable scores on the Graduate Record Examination. Admission is possible if some course requirements have not been met, provided that GPA and GRE scores are strong. However, these requirements will need to be completed early in the student's graduate career and lower division course work done in satisfying these requirements will not count toward the term hours required for the master's degree.



Applicants who do not have the course requirements for unconditional admission may be admitted conditionally, on the understanding that such requirements must be satisfied after entering the program; Conditional admission may also be granted to applicants who do not satisfy the grade requirements for unconditional admission if 1) their overall grade point average on the last 60 hours of course credit is at least a 2.67 (A=4.00); 2) their grade point average in philosophy courses is at least a 3.00 (A=4.00), and 3) their scores on the Graduate Record Examination are high enough to indicate probable success in the program.

Degree Requirements

Candidates must complete either 30 or 36 term hours in courses numbered 6000 or above for which graduate credit is accepted by the department. These courses must include 18 term hours in regular graduate seminars in the department. Courses taken outside the department will count toward the required hours only with the approval of the director of graduate studies. An arrangement exists with Rice University's Philosophy Department that allows students in our program to take graduate level courses they offer. These courses qualify as being taken in our department, but they do not qualify as seminars.

Plan I (Thesis Option)

Candidates choosing this plan must complete a thesis, and the 6 hours of thesis courses will count as part of the 30 hours required for the degree. At least 24 of the required 30 hours must be taken in the Department of Philosophy. Students taking the thesis option must have an A- average in their first year of graduate study in the program

Plan II (Non-thesis Option)

Candidates must complete 36 term hours of approved courses, of which 30 hours must be taken in the Department of Philosophy. In addition, candidates must submit to the director of graduate studies, by the middle of their final term a copy of the term paper they judge to be best. The paper should be revised and corrected in light of further consultation with the professor in the seminar.

Department of Political Science

Master

Political Science, MA

The department offers programs of study leading to the Master of Arts degree in political science and the Master of Arts degree in public administration. For more information about the Master of Arts degree in public administration, refer to the public administration program in this section of the catalog. Course offerings in political science cover the following general topics: American politics, public policy, public administration, public law, political theory, research methods, and comparative politics.

Admission Requirements

In addition to meeting the college graduate admission requirements, applicants must meet the following minimum requirements for unconditional admission to the Master of Arts in Political Science program:

Applicants must have a baccalaureate degree from an accredited institution, at least a 3.00 grade point average (A=4.00) in the most recent 60 term hours of undergraduate or graduate courses and have taken the Graduate Record Examination (GRE).



A satisfactory score of 550 on the TOEFL paper-based exam or 213 for the computer-based exam or 79 on the Internet-based TOEFL (iBT) is generally acceptable proof of English proficiency for international students. Applicants should prepare a one-to two-page statement of purpose and should also submit three letters of recommendation, preferable from professors directly familiar with their academic work. Go to <http://www.polsci.uh.edu/graduate/graduate.html> and click on graduate then admissions for more information on admissions requirements.

Political Science students are generally admitted only in the Fall term. However, Spring and Summer admissions are decided on a space available basis. The deadlines for submitting applications are February 15 for the Fall term and October 1 for the Spring term. Applications are judged on a competitive basis by the Department's Graduate Committee.

The program offers two MA options as follows:

MA degrees are awarded to students in one of the following categories:

Those whose educational objective is a Master's degree and do not wish to proceed to the degree of PhD;

Those who do not meet the requirements for the degree of PhD and who are advised to obtain a terminal Master's degree;

Those who are proceeding towards a PhD but wish the Master's credential for professional purposes.

Thirty to thirty-six term hours of approved course work, at least 24 term hours of which must be at the 6000 level or above, is required. Also, at least 27 hours of credit for the Master's degree must be earned in residence at the University of Houston campus. No more than 6 term hours of transferred course work may be applied to the Master of Arts degree. Determination of course equivalency of transferred work resides with the Director of Graduate Studies and the Graduate Committee. Credit for post baccalaureate courses will not be given. A degree plan should be completed, in consultation with the Director of Graduate Studies, within the first 12 hours of course work and filed with the Graduate Office. A Master's degree program must be completed within five years of the date of enrollment at the University of Houston.

There are 3 plans under which graduate students can earn a Master of Arts degree:

MA Plan I: 30 hours of coursework and 6 hours of Master's thesis hours;

MA Plan II (Terminal Degree): 33 hours of coursework and 3 hours of Bibliographic Essay hours;

MA by Examination: This program is designed to provide an interim professional qualification for candidates who are in the process of working towards a PhD. Candidates who pass the Comprehensive Examinations for the PhD degree may petition to have this pass recognized as fulfilling the requirements for a Master of Arts degree.

For more information on the degree requirements and types of degrees, please refer to the Graduate Programs page.

Doctoral

Political Science, PhD

The graduate program of the Department of Political Science provides advanced training in the discipline of political science to students whose career goals include college teaching and advanced research.

The department is organized into six major subfields: American politics, comparative politics, international relations, political theory, quantitative methods, and public policy. Students take comprehensive exams in a major and minor subfield of their choice.

Recent graduates of the PhD program have obtained teaching positions at colleges and universities throughout the U.S. and abroad.

Admission Requirements



In addition to meeting the college graduate admission requirements, applicants must meet the following minimum requirements for unconditional admission to the Ph.D. in Political Science program:

Applicants must have a baccalaureate degree from an accredited institution by the date of enrollment with at least a 3.00 grade point average (A = 4.00) in the most recent 60 hours of undergraduate course work and at least a 3.0 cumulative grade point average for any graduate level courses.

International applicants have further documentation requirements, including proof of English language proficiency, which are described on the International Graduate Students website.

Applicants should prepare a one-to two-page statement of purpose.

Secure three letters of recommendation from professors directly familiar with the student's work.

Application fee (\$65 domestic applicants/\$140 international applicants).

Political Science students are generally admitted only in the Fall semester. However, Spring admissions are decided on a space available basis.

Degree Requirements

Credit hours required for this degree: 57.0

A minimum of 45 hours of course work is required for a political science PhD, plus at least 12 hours of dissertation credit. Students must successfully complete oral and written comprehensive examinations.

Comprehensive examinations are normally given after two and a half years of coursework, or the equivalent in terms of credit hours for part-time students. Upon successfully completing exams, students are expected to be continuously enrolled in dissertation hours until the degree is completed. Students who are not on teaching fellowships may enroll for as little as 3 dissertation hours per semester (this includes the summer), but note that a student must enroll for a minimum of 12 dissertation hours prior to completion of the degree. Following the completion of a dissertation, students must participate in an oral dissertation defense. Students who enroll as doctoral candidates must complete their degree requirements within 10 years of the date of first enrollment with a doctoral degree objective. Failure to comply will result in the candidate being ineligible for the doctoral degree. Doctoral students who fail to complete the dissertation within 5 years after passing the comprehensive examination must retake the examination.

Core Courses

12.0 Credit Hours

All students intending to obtain a PhD must take the three required core courses in their first two years in the program, or, in the case of part-time students, as soon as practically possible. Students who are admitted to the PhD program with financial support must enroll in the department's core courses during their first year in the program.

POLS 6380 - Quantitative Methods I **Credit Hours: 3**

POLS 6381 - Quantitative Methods II **Credit Hours: 3**

POLS 6382 - Quantitative Methods III: Maximum Likelihood Estimation **Credit Hours: 3**

The core curriculum is designed to provide beginning PhD students with a broad overview of important topics in Political Science. For the beginning student, the core should provide the necessary background to select areas for further concentrated study. The methodological component of the core (POLS 6480 and POLS 6481) is designed to provide the student with the appropriate statistical foundation to become an informed consumer of Political Science research and to set the stage for the student to perform research of his/her own.

Degree Plan



During the last term of core course work students should develop a degree plan in consultation with the Director of Graduate Studies and the student's academic adviser. Students must select two areas of study in Political Science in which to concentrate. One of the chosen areas is designated a student's major area, and a minimum of twelve credit hours (four courses) is required in this area. In the minor area of study, nine credit hours (three courses) are required as a minimum. Students will also have six hours (two courses) in elective courses which can be taken in any area chosen.

It is required that students with a major or minor in American Politics take at least one course from each of the following two subsets:

- Elections, Public Opinion, Psychology and Politics
- Legislative Process, The Presidency, Political Parties

Tools Requirement

The tools requirement exists for the purpose of assuring competence in the methods necessary for effective scholarship in the student's chosen specialty. Each student must complete two relevant research courses (6 hours) beyond POLS 6480 and POLS 6481. Choice of possible tool offerings should in all cases be guided by the question of appropriateness for the student's academic interest. Students should consult with their advisor about the most appropriate courses for them. In all cases, the student's choice of tool requirements must be approved by the Director of Graduate Studies.

Among the possible course offerings that may satisfy the requirement area:

A. Political methodology courses:

- POLS 6480 - Quantitative Methods I **Credit Hours: 4**
- POLS 6482 - Quantitative Methods III: Maximum Likelihood Estimation **Credit Hours: 4**
Plus one additional course (for instance,
- POLS 6384 - Survey Research Methods **Credit Hours: 3**,
- POLS 6385 - Time Series Methods **Credit Hours: 3**, or
- POLS 6386 - Measurement Theory for Political Science **Credit Hours: 3**

B. Computer Applications at a more advanced level than POLS 6480 and POLS 6481.

C. Foreign language (in rare instances).

D. Other research methods specifically relevant to the dissertation research of the student.

Degree Path

In most cases, the American politics core course and the first two courses in the methods sequence should be completed in the student's first year. Progress toward degree will normally take a path similar to the following:

Year One:	Year Two:	Year Three:
1. Research Design (POLS 6302)	7. Tools (1)	13. Major (4)
2. Methods (POLS 6480)	8. Major (2)	14. Elective (2)



3. Elective (1)	9. Minor (2)	15. Prospectus seminar
4. Methods (POLS 6481)	10. Tools (2)	
5. Major (1)	11. Major (3)	
6. Minor (1)	12. Minor (3)	

Academic Policies

University of Houston Academic Policies

Academic Policies: College of Liberal Arts and Social Sciences

Students must also successfully complete oral and written comprehensive exams. Upon successfully completing comprehensive exams, students are expected to be continuously enrolled in dissertation hours (a minimum of 12 dissertation hours must be completed prior to the completion of the degree). Upon completion of the dissertation, the student will participate in an oral dissertation defense.

SATISFACTORY PROGRESS TOWARD THE DEGREE

Every spring term the department's faculty meets to review the progress of all students in the department's PhD program. This review will usually involve consultation with all faculty members who have taught the student during the previous two semesters. The Director of Graduate Studies will refer to the Graduate Committee for review any students who do not seem to be making adequate progress toward the PhD degree.

Students are expected to meet the following minimum standards:

- maintain a 3.0 grade point average,
- receive one A or A- for every three courses completed, and
- carry on their transcripts no more than two incompletes at any one time (except in cases of medical emergency, which must be documented to the satisfaction of the Director of Graduate Studies).

Students who have not met these minimal requirements will be deemed not to have made satisfactory progress. After having registered for 18 hours or more of course credit, students who have not made satisfactory progress will be counseled by the graduate committee and given the opportunity to explain what steps they will take to improve their performance in the future. Such students will be advised that they are in jeopardy of losing financial support or being expelled from the political science PhD program. A letter to that effect will be entered into each student's file. These students will be given a probationary term to improve their grades and/or to remove incompletes from their records.

Students who have any incompletes or have not achieved grades of A or A- for one third of their graduate credit hours will not be permitted to take doctoral comprehensive exams. Full-time students will normally take their exams after their third year. Part-time students must complete a minimum of 48 hours of course credit before taking comprehensive exams.

Independent of the "progress review", the Director of Graduate Studies is responsible each term for monitoring whether students are making satisfactory progress toward their degrees, discussing the situation with the student, and reporting and making recommendations to the Graduate Committee regarding any student failing to make satisfactory progress.

Students in the Political Science Graduate Program who are not doing satisfactory work may be advised to pursue the MA degree only and not go on for the PhD. Depending on how many courses they have completed at the point such advice is given, these students may choose either the Plan I MA (which requires a thesis) or a Plan II MA (which requires more course work and a



bibliographic essay). Students who are not doing satisfactory work will receive a letter from the department notifying them of this. Any student who fails to make satisfactory progress may be suspended from the Graduate Program by the Director of Graduate Studies. A student may appeal a suspension to the Graduate Committee.

Dual Degree - Accelerated Pathway

Political Science, Accelerated BA/MA

College of Liberal Arts and Social Sciences > Department of Political Science > Political Science, Accelerated BA/MA

Program Description

This program allows outstanding Political Science majors to complete their BA and MA at UH in five years. This program saves students a year of time and tuition, and gives them a graduate degree that can help them be more competitive in the job market and on their applications to grad school and law school.

Political Science, MA

Interested students should submit a preliminary application in their Junior year by April 15. If admitted into the program, students would begin taking graduate-level courses in the Fall of their Senior year.

Shared Course Credit

The most important feature of the program is that 6 term hours of graduate-level courses can be used as dual credit for both the BA and the MA degrees. All other requirements for the degrees must still be fulfilled.

Application Process

To be eligible for the program, students must maintain a minimum of 3.33 GPA.

Preliminary Application: the first stage of the application process begins in the student's Junior year. This application consists of a statement of purpose, unofficial transcripts, and one letter of recommendation. The application would be evaluated by the Graduate Committee in the Political Science department. Acceptance at this stage only means that a student may begin taking graduate courses his/her Senior year.

Full Graduate Application: Students accepted at the preliminary stage must still apply normally to the Political Science department. They would do so in February of their Senior year. The details for application can be found here:

<http://www.uh.edu/class/political-science/graduate/admissions/index.php>

Capstone Seminar Paper

The capstone project consists in a qualifying paper. This paper should be of sufficient quality to be presented at an academic conference or to be submitted for publication.



Sample Schedule

Spring Junior Year	Preliminary Application due by April 15
Fall Senior Year	3 credits double counted to BA & MA 3 credits to be transferred to MA
Spring Senior Year	3 credits double counted to BA & MA 3 credits to be transferred to MA Full Application due February 15
Summer before 5 th year	3 credits
Fall 5 th year	9 credits
Spring 5 th year	9 credits
Summer after 5 th year	3 credits (Capstone Project)
Total	36 SCH

Department of Psychology

Joint Programs

Measurement, Quantitative Methods, and Learning Sciences, PhD

Doctoral

Clinical Psychology, PhD

College of Liberal Arts and Social Sciences > Department of Psychology > Clinical Psychology, PhD

Admission Requirements

The Doctor of Philosophy degree in Psychology is offered in the areas of clinical, developmental, industrial/organizational, and social psychology. The department of psychology only accepts full-time graduate students.

In addition to meeting the college graduate admission requirements, applicants must meet the following minimum requirements for unconditional admission to the Ph.D. in Psychology program:

Requirements include either a baccalaureate degree in psychology or an undergraduate degree that includes 24 semester hours in psychology; a 3.00 (A=4.00) grade point average in the most recent 60 semester hours of undergraduate or graduate courses; Graduate



Record Examination (GRE) scores; three letters of recommendation; and a goals statement. (Verbal, quantitative, and analytical writing GRE scores are examined separately and evaluated as one information source in the total application.)

The psychology department admits only students whose objective is a Doctor of Philosophy degree. Admission is for the fall term only, with a December 1 deadline for the Clinical Psychology program. Prospective students should apply directly to the department.

Between 10 and 15 students are accepted annually from approximately 400 applicants. Successful applicants have approximately a 3.50 (A=4.00) grade point average and average scores in at least the 70th percentile on both the GRE verbal and quantitative tests.

Application information may be found at the Psychology Department website.

Doctor of Philosophy Program

Program Requirements

Master of Arts Degree (36 semester hours)

Department Core:

PSYC 6300 - Stat for Psy **Credit Hours: 3.0**

PSYC 6302 - Experimental Dsgn **Credit Hours: 3.0**

Research or applied practica. Credit Hours: 12.0

Major Concentration. Credit Hours: 12.0

Thesis Research:

PSYC 6399 - Masters Thesis **Credit Hours: 3**

PSYC 7399 - Masters Thesis **Credit Hours: 3**

Doctor of Philosophy Degree (36 semester hours)

PSYC 6301 - Psychological Theory His/Sys **Credit Hours: 3.0**

Major area, minor area, and specified related courses. Credit Hours: 15.0

Distribution electives taken from foundation courses or equivalents. Credit Hours: 6.0

Disstertation Research. Credit Hours: 12.0

taken from:

PSYC 8399 - Doctoral Dissertation **Credit Hours: 3**

PSYC 8699 - Doctoral Dissertation **Credit Hours: 6**

PSYC 8999 - Doctoral Dissertation **Credit Hours: 9**

Total (minimum) 72

Students must also complete a thesis, dissertation, comprehensive examination, and any special requirements of the major area of concentration.



Special Academic Regulations

Three grades of C or lower during the course of the graduate program are grounds for automatic dismissal. The master's degree should be completed within two years after admission to graduate school. The Ph.D. degree is expected to be completed by students within four years after admission to graduate school for those areas not requiring internship, externship, or practicum, and within five years after admission for those areas requiring internship, externship, or practicum. The maximum expected time allowed for the completion of the Ph.D. degree after admission is six years for those areas not requiring an internship, externship, or practicum and seven years for those areas requiring internship, externship, or practicum. A satisfactory rate of progress toward completion of the degree requirements is required throughout enrollment. The department may terminate a student's enrollment at any time if the rate of progress or academic performance is not satisfactory.

Industrial/Organizational Psychology, PhD

College of Liberal Arts and Social Sciences > Department of Psychology > Industrial/Organizational Psychology, PhD

Admission Requirements

The Doctor of Philosophy degree in Psychology is offered in the areas of clinical, developmental, industrial/organizational, and social psychology. The department of psychology only accepts full-time graduate students.

In addition to meeting the college graduate admission requirements, applicants must meet the following minimum requirements for unconditional admission to the Ph.D. in Psychology program:

Requirements include either a baccalaureate degree in psychology or an undergraduate degree that includes 24 semester hours in psychology; a 3.00 (A=4.00) grade point average in the most recent 60 semester hours of undergraduate or graduate courses; Graduate Record Examination (GRE) scores; three letters of recommendation; and a goals statement. (Verbal, quantitative, and analytical writing GRE scores are examined separately and evaluated as one information source in the total application.)

The psychology department admits only students whose objective is a Doctor of Philosophy degree. Admission is for the fall term only, with a January 15 deadline for the I/O Psychology program. Prospective students should apply directly to the department.

Between 5 and 10 students are accepted annually from approximately 150 applicants. Successful applicants have approximately a 3.50 (A=4.00) grade point average and average scores in at least the 70th percentile on both the GRE verbal and quantitative tests.

Application information may be found at the Psychology Department website.

Doctor of Philosophy Program

Program Requirements

Master of Arts Degree (36 semester hours)

Department Core:

PSYC 6300 - Stat for Psy **Credit Hours: 3.0**

PSYC 6302 - Experimental Dsgn **Credit Hours: 3.0**

Research or applied practica. Credit Hours: 12.0



Major Concentration. Credit Hours: 12.0

Thesis Research:

PSYC 6399 - Masters Thesis **Credit Hours: 3**

PSYC 7399 - Masters Thesis **Credit Hours: 3**

Doctor of Philosophy Degree (36 semester hours)

PSYC 6301 - Psychological Theory His/Sys **Credit Hours: 3.0**

Major area, minor area, and specified related courses. Credit Hours: 15.0

Distribution electives taken from foundation courses or equivalents. Credit Hours: 6.0

Disstertation Research. Credit Hours: 12.0

taken from:

PSYC 8399 - Doctoral Dissertation **Credit Hours: 3**

PSYC 8699 - Doctoral Dissertation **Credit Hours: 6**

PSYC 8999 - Doctoral Dissertation **Credit Hours: 9**

Total (minimum) 72

Students must also complete a thesis, dissertation, comprehensive examination, and any special requirements of the major area of concentration.

Special Academic Regulations

Three grades of C or lower during the course of the graduate program are grounds for automatic dismissal. The master's degree should be completed within two years after admission to graduate school. The Ph.D. degree is expected to be completed by students within four years after admission to graduate school for those areas not requiring internship, externship, or practicum, and within five years after admission for those areas requiring internship, externship, or practicum. The maximum expected time allowed for the completion of the Ph.D. degree after admission is six years for those areas not requiring an internship, externship, or practicum and seven years for those areas requiring internship, externship, or practicum. A satisfactory rate of progress toward completion of the degree requirements is required throughout enrollment. The department may terminate a student's enrollment at any time if the rate of progress or academic performance is not satisfactory.

Integrative Program in Developmental, Cognitive, and Behavioral Neuroscience, PhD

College of Liberal Arts and Social Sciences > Department of Psychology > Integrative Program in Developmental, Cognitive, and Behavioral Neuroscience, PhD

Admission Requirements



The Doctor of Philosophy degree in Psychology is offered in the areas of clinical, developmental, industrial/organizational, and social psychology. The department of psychology only accepts full-time graduate students.

In addition to meeting the college graduate admission requirements, applicants must meet the following minimum requirements for unconditional admission to the Ph.D. in Psychology program:

Requirements include either a baccalaureate degree in psychology or an undergraduate degree that includes 24 semester hours in psychology; a 3.00 (A=4.00) grade point average in the most recent 60 semester hours of undergraduate or graduate courses; Graduate Record Examination (GRE) scores; three letters of recommendation; and a goals statement. (Verbal, quantitative, and analytical writing GRE scores are examined separately and evaluated as one information source in the total application.)

The psychology department admits only students whose objective is a Doctor of Philosophy degree. Admission is for the fall term only, with a December 1 deadline for the Developmental Psychology program. Prospective students should apply directly to the department.

Between 5 and 10 students are accepted annually from approximately 40 applicants. Successful applicants have approximately a 3.50 (A=4.00) grade point average and average scores in at least the 70th percentile on both the GRE verbal and quantitative tests.

Application information may be found at the Psychology Department website.

Doctor of Philosophy Program

Program Requirements

Master of Arts Degree (36 semester hours)

Department Core:

PSYC 6300 - Stat for Psy **Credit Hours: 3.0**

PSYC 6302 - Experimental Dsgn **Credit Hours: 3.0**

Research or applied practica. Credit Hours: 12.0

Major Concentration. Credit Hours: 12.0

Thesis Research:

PSYC 6399 - Masters Thesis **Credit Hours: 3**

PSYC 7399 - Masters Thesis **Credit Hours: 3**

Doctor of Philosophy Degree (36 semester hours)

PSYC 6301 - Psychological Theory His/Sys **Credit Hours: 3.0**

Major area, minor area, and specified related courses. Credit Hours: 15.0

Distribution electives taken from foundation courses or equivalents. Credit Hours: 6.0

Disstertation Research. Credit Hours: 12.0

taken from:

PSYC 8399 - Doctoral Dissertation **Credit Hours: 3**



PSYC 8699 - Doctoral Dissertation **Credit Hours: 6**

PSYC 8999 - Doctoral Dissertation **Credit Hours: 9**

Total (minimum) 72

Students must also complete a thesis, dissertation, comprehensive examination, and any special requirements of the major area of concentration.

Special Academic Regulations

Three grades of C or lower during the course of the graduate program are grounds for automatic dismissal. The master's degree should be completed within two years after admission to graduate school. The Ph.D. degree is expected to be completed by students within four years after admission to graduate school for those areas not requiring internship, externship, or practicum, and within five years after admission for those areas requiring internship, externship, or practicum. The maximum expected time allowed for the completion of the Ph.D. degree after admission is six years for those areas not requiring an internship, externship, or practicum and seven years for those areas requiring internship, externship, or practicum. A satisfactory rate of progress toward completion of the degree requirements is required throughout enrollment. The department may terminate a student's enrollment at any time if the rate of progress or academic performance is not satisfactory.

Social Psychology, PhD

College of Liberal Arts and Social Sciences >Department of Psychology >Social Psychology, PhD

Admission Requirements

The Doctor of Philosophy degree in Psychology is offered in the areas of clinical, developmental, industrial/organizational, and social psychology. The department of psychology only accepts full-time graduate students.

In addition to meeting the college graduate admission requirements, applicants must meet the following minimum requirements for unconditional admission to the Ph.D. in Psychology program:

Requirements include either a baccalaureate degree in psychology or an undergraduate degree that includes 24 semester hours in psychology; a 3.00 (A=4.00) grade point average in the most recent 60 semester hours of undergraduate or graduate courses; Graduate Record Examination (GRE) scores; three letters of recommendation; and a goals statement. (Verbal, quantitative, and analytical writing GRE scores are examined separately and evaluated as one information source in the total application.)

The psychology department admits only students whose objective is a Doctor of Philosophy degree. Admission is for the fall term only, with a January 15 deadline for the Social Psychology program. Prospective students should apply directly to the department.

Between 5 and 10 students are accepted annually from approximately 100 applicants. Successful applicants have approximately a 3.50 (A=4.00) grade point average and average scores in at least the 70th percentile on both the GRE verbal and quantitative tests.

Application information may be found at the Psychology Department website.

Doctor of Philosophy Program

Program Requirements



Master of Arts Degree (36 semester hours)

Department Core:

PSYC 6300 - Stat for Psy **Credit Hours: 3.0**

PSYC 6302 - Experimental Dsgn **Credit Hours: 3.0**

Research or applied practica. Credit Hours: 12.0

Major Concentration. Credit Hours: 12.0

Thesis Research:

PSYC 6399 - Masters Thesis **Credit Hours: 3**

PSYC 7399 - Masters Thesis **Credit Hours: 3**

Doctor of Philosophy Degree (36 semester hours)

PSYC 6301 - Psychological Theory His/Sys **Credit Hours: 3.0**

Major area, minor area, and specified related courses. Credit Hours: 15.0

Distribution electives taken from foundation courses or equivalents. Credit Hours: 6.0

Disstertation Research. Credit Hours: 12.0

taken from:

PSYC 8399 - Doctoral Dissertation **Credit Hours: 3**

PSYC 8699 - Doctoral Dissertation **Credit Hours: 6**

PSYC 8999 - Doctoral Dissertation **Credit Hours: 9**

Total (minimum) 72

Students must also complete a thesis, dissertation, comprehensive examination, and any special requirements of the major area of concentration.

Special Academic Regulations

Three grades of C or lower during the course of the graduate program are grounds for automatic dismissal. The master's degree should be completed within two years after admission to graduate school. The Ph.D. degree is expected to be completed by students within four years after admission to graduate school for those areas not requiring internship, externship, or practicum, and within five years after admission for those areas requiring internship, externship, or practicum. The maximum expected time allowed for the completion of the Ph.D. degree after admission is six years for those areas not requiring an internship, externship, or practicum and seven years for those areas requiring internship, externship, or practicum. A satisfactory rate of progress toward completion of the degree requirements is required throughout enrollment. The department may terminate a student's enrollment at any time if the rate of progress or academic performance is not satisfactory.

Public Administration Program



Our Mission

The Master of Public Administration Program (MPA) provides higher levels of training and education for pre-service and in-service public managers, and public officials to address major public policy issues in a metropolitan scenario.

The UH MPA program was approved by the State of Texas Higher Education Coordinating Board over 40 years ago, and we have produced over 400 graduates for public service. We have been a member of the National Association of Schools of Public Administration and Affairs (NASPAA) and recognized as one of the excellent MPA programs in the nation.

Our Program

With the campus situated only a few miles from downtown Houston and in the center of over 5 million people, 133 cities, 79 independent school districts, 727 municipal utility districts, and hundreds of special districts, the University of Houston MPA Program is appropriately metropolitan driven. Students have a first-hand look at significant policy questions such as health-care, environment, immigration, energy, and transportation. Students are asked to contribute to the debate on these issues through course work and with visitors who participate in the local decision-making process. To accommodate in-service students, our courses are scheduled in the evenings, Monday - Thursday.

Master

Public Administration, MPA

The Master of Public Administration Program (MPA) provides higher levels of training and education for pre-service and in-service public managers, and public officials to address major public policy issues in a metropolitan scenario. Visit the Master of Public Administration Program website: <http://www.uh.edu/class/mpa>.

Admission Requirements

Admission to the MPA program at the University of Houston requires an undergraduate degree* from an accredited college or university with a 3.0 (B) or better grade point average in the last 60 hours of course work. The Graduate Record Exam (GRE) if required .

*An applicant (domestic or international) has to be awarded his or her undergraduate degree by the end of the prior Spring term for Fall application.

Application Deadline

All required application materials including official GRE Score report should be sent by

Spring application deadline: October 15th**

Fall application deadline: June 15th

How to apply

Applicants should submit the following required material online: <https://www.applyweb.com/uhouston/index.ftl>



A statement of purpose for pursuing an MPA degree
Three letters of reference (there is no specific form)
A hard copy of official transcripts from each university attended
A completed application form (apply to our program through the online system: <https://www.applyweb.com/uhouston/index.ftl>)
Official copy of scores from the Graduate Record Exam (GRE)*
Requesting your official score: ETS GRE website*

Exam Schedule: Please check The University of Houston Testing Center or any college near you.

*The GRE score must be sent directly from Educational Testing Service (ETS) to the University of Houston (UH Code for the GMAT/GRE is R6870). GRE Scores older than 5 years will not be accepted.

International Applicants

To apply to the MPA program, students should submit the following online: <https://www.applyweb.com/uhouston/index.ftl>

Application materials common for all applicants

A statement of purpose for pursuing an MPA degree
Three letters of reference (there is no specific form)
Two hard copies of official transcripts from each university attended
A completed application form (apply to our program through online application: <https://www.applyweb.com/uhouston/index.ftl>)
Official copy of scores from the Graduate Record Exam (GRE)
Application materials and requirements specific to International applicants

All application materials should be submitted to Office of International Admissions. Your application materials will be processed at Office of International Admissions prior to our review.

Please consult the Office of International Admissions webpage for additional application materials and criteria including TOEFL:
<http://www.uh.edu/graduate-school/international-students/>.

How to apply (International Admissions)
Steps in applying
Residency Requirements
Dates and Deadlines
Admission Criteria
Documentation
Admissions Forms
International graduate tuition and fees

UH MPA Curriculum

12 courses - 38 credit hours

The UH MPA program focuses on the management side in the public sector. The total core curriculum consists of eight courses or 26 hours. Three of the remaining four courses are electives oriented to your specialization. The Capstone Problem Project, PUBL 6325, is the final course. This results in an overall total of 12 courses or 38 hours for the MPA degree. The electives are tailored to the students' specialty needs. A full time student should be able to complete the coursework in two school years.

PUBL 6310 - Administrative Theory **Credit Hours: 3.0**
PUBL 6398 - Special Probs Publ Adm/Policy **Credit Hours: 3.0**

Topic(s):

Administrative Law and Regulations



PUBL 6313 - Fundamentals of Policy Analysis **Credit Hours: 3.0**
PUBL 6410 - Quantitative Methods I **Credit Hours: 4.0**
PUBL 6311 - Public Administration and Policy Implementation **Credit Hours: 3.0**
PUBL 6342 - Budgeting For Public Agencies **Credit Hours: 3.0**
PUBL 6350 - Public Management **Credit Hours: 3.0**
PUBL 6415 - Decision Science for Public Affairs **Credit Hours: 4.0**

Electives

Three courses are required and chosen in consultation with advisor. Electives will be tailored to the students' specialty needs and career goals using an inter-disciplinary approach across UH departments.

The elective curriculum is complemented by nine hours (three courses) in the students' area of specialization. The specialization courses are chosen by the student and must be approved by the program director.

Early in the second year of the program students are required to submit a formal statement of specialization to the MPA Director. This statement should describe the specialization and the three courses, which will be used to fulfill the requirements. Electives will be tailored to the students' specialty needs and career goals using an inter-disciplinary approach across UH departments such as:

PUBL 6321 - Seminar in Urban Politics **Credit Hours: 3.0**
PUBL 6343 - GIS for Urban Applications **Credit Hours: 3.0**
PUBL 6349 - Seminar in Non-Profit Management **Credit Hours: 3.0**

PUBL 6347 - Seminar in Health Care Policy **Credit Hours: 3.0**

cross-listed with

POLS 6315 - Health Care Policy **Credit Hours: 3.0**

PUBL 6346 - Seminar in Emergency Management **Credit Hours: 3.0**

Inter-disciplinary courses - Political Science, Business, Psychology, Economics, Law, Social Work, Architecture, and Sociology.

Note(s):

Elective courses can be taken from UT Health Science Center and Rice University through inter-institutional arrangements.

Examples of specializations include: personnel management; city management; environmental policy; higher education, and management for non-profits. Specialization courses can be taken in a variety of colleges throughout the University including Business, Social Work, Psychology, Economics, Political Science, Computer Sciences, Architecture, and Law Center. For a list of Specialization Electives see <http://www.uh.edu/class/mpa/degree-requirements/specialization/>.

Final Requirements

PUBL 6325 - Capstone Problem Project **Credit Hours: 3**

This course represents the culmination of graduate work in the MPA program. This course permits the student to demonstrate mastery of the skills and knowledge acquired in their core and specialization courses. Each student is expected to formulate and analyze a real issue of public administration, organization, or policy; to examine alternative solutions or procedures; and to make independent and specific recommendations dealing with the issue.

Students should submit project proposal to the Director prior to commencing his or her project, as projects are subject to approval by the Director.



MPA Comprehensive Exam

At or near the completion of course work, students are asked to demonstrate their familiarity with the literature in the field and their ability to apply it to problems of public administration in a one-day exam. This exam is typically taken during the last term of course work.

Internship

Determined in consultation with advisor. The internship requirement is designed for those who have not had a full time work experience in private, public, or non-profit sector.

(No credit)

Visit the Master of Public Administration website.

Department of Sociology

Master

Sociology, MA

The Department of Sociology at the University of Houston offers an MA in sociology with graduate training directed towards professional career success in both academic and non-academic fields. The Sociology department offers both a thesis track and an applied internship track for the Master's degree.

Admission Requirements

Applicants must have a BA or BS from an accredited institution, preferably with a major in sociology or any other social science. In addition, applicants should have the following credentials:

All applicants should have a 3.00 grade point average (A=4.00) on the most recent 60 term hours of undergraduate coursework (In some cases, graduate coursework hours can also be used in this calculation).

Applicants with a grade point average below 3.0 must provide a Graduate Record Examination (GRE) score that is not more than 5 years old for conditional admission.

International students must also provide a TOEFL or IELTS score that is no more than 5 years old. The TOEFL score must be 79 or higher and the combined IELTS must be 6.5 or higher.

It is highly recommended, but not required, that applicants have taken undergraduate courses in Social Theory, Social Statistics, and Research Methods.

Degree Requirements

Credit hours required for thesis/non-thesis track degree: 36.0

Thesis Track Program Requirements



SOC 6300 - Sem-Sociological Theory **Credit Hours: 3.0** (The course must be completed with a grade of B- or better.)
SOC 6302 - Research and Writing in the Social Sciences **Credit Hours: 3** (The course must be completed with a grade of B- or better.)
SOC 6304 - Social Statistics **Credit Hours: 3.0** (The course must be completed with a grade of B- or better.)
SOC 6306 - Sem in Quant Methods **Credit Hours: 3.0** (The course must be completed with a grade of B- or better.)
SOC 6311 - Qualitative Soc Methods **Credit Hours: 3.0** (The course must be completed with a grade of B- or better.)
Five additional graduate seminars (each course 3.0 Credit Hours) **Total Credit Hours: 15.0**
SOC 6399 - Master's Thesis **Credit Hours: 3.0**
SOC 7399 - Master's Thesis **Credit Hours: 3.0**

Total 36 Hours

Students must maintain a cumulative grade point average of 3.00 or above and successfully defend the thesis.

Applied Internship Track Program

SOC 6300 - Sem-Sociological Theory **Credit Hours: 3.0** (The course must be completed with a grade of B- or better.)
SOC 6302 - Research and Writing in the Social Sciences **Credit Hours: 3** (The course must be completed with a grade of B- or better.)
SOC 6304 - Social Statistics **Credit Hours: 3.0** (The course must be completed with a grade of B- or better.)
SOC 6306 - Sem in Quant Methods **Credit Hours: 3.0** (The course must be completed with a grade of B- or better.)
SOC 6311 - Qualitative Soc Methods **Credit Hours: 3.0** The course must be completed with a grade of B or better.)
Five additional graduate seminars (each course 3.0 Credit Hours) **Total Credit Hours: 15.**
SOC 7395 - Internship in Sociology **Credit Hours: 3.0**
SOC 7396 - Internship in Sociology **Credit Hours: 3.0**

Total 36 Hours

Students must maintain a cumulative grade point average of 3.00 or above and successfully defend an internship paper.

Academic Policies

University of Houston Academic Policies
Academic Policies: College of Liberal Arts and Social Sciences

Women's, Gender, and Sexuality Studies Program

About Us

The Women's, Gender, and Sexuality Studies Program offers two undergraduate minors and a graduate certificate. Ours is an interdisciplinary program combining empirical study and theoretical frameworks to look critically at the gender dynamics of the past and present and to open discussion about shaping the world of the future. Our courses explore gender dynamics as they intersect with race, class and sexuality, within the US and internationally. WGSS students come from all disciplines. The program draws on faculty from across the



university to teach and to develop and participate in programming. The program has a strong community arm in the Friends of Women's Studies.

History

Since the early 1970s, teaching and research in Women's Studies has grown rapidly in the U.S. There are Programs and Departments focused on women's and gender studies in most US colleges and universities. The field is also well represented internationally. Women's Studies at the University of Houston was established in 1991. The Friends of Women's Studies formed in 1993, and the Women's Archive and Research Center (WARC) opened in 1996. The program added a GLBT minor in 2007, and changed our name to reflect our expanded focus.

Graduate Certificate

Women's Studies Interdisciplinary Certificate

College of Liberal Arts and Social Sciences > Women's, Gender, and Sexuality Studies Program > Women's Studies Interdisciplinary Certificate

Graduate Certificate

The Graduate Certificate in Women's Studies is a nine (9) credit interdisciplinary concentration open to students in all UH graduate and professional degree programs. The Graduate Certificate in Women's Studies adds interdisciplinary breadth to a student's course of study while increasing the depth and coherence of students' work on women and gender within their primary fields. Given the growing importance of women and gender issues in both scholarship and social policy, many students find this formal recognition of their work in Women's Studies to be a valuable credential in both academic and non-academic job markets. Students who have earned or are pursuing the Graduate Certificate also receive first consideration for Women's Studies graduate fellowships and assistantships.

Explanation of Certificate

The Graduate Certificate in Women's Studies is a 9-credit interdisciplinary concentration open to students in all UH graduate, professional degree, and post-baccalaureate programs.

Requirements for the Graduate Certificate include three (3) Women's Studies graduate courses (9 credit hours):

Required core course: WGSS 6301 - Feminist Theory & Methodology

Two (2) cross-listed courses, one of which must be from outside the student's home department.

Students may petition to substitute for one of the cross-listed courses one of the following options:

Taking a graduate course that is not cross-listed but in which they can focus their individual work (e.g. research paper) on women, gender, or feminist theory. Such a course must be taught by an affiliated Women's Studies faculty member who will certify that the student's work in the course satisfies women's studies requirements.

Taking an undergraduate course cross-listed in Women's Studies for graduate credit. Additional requirements will be determined by the instructor in accordance with university policy.

How to Apply for the Certificate Individuals interested in the Graduate Certificate in Women's Studies can fill out the online application available on the WGSS web page.

Why Certificate



The Graduate Certificate in Women's Studies adds interdisciplinary breadth to a student's course of study while increasing the depth and coherence of students' work on women and gender within their primary fields.

Given the growing importance of women and gender issues in both scholarship and social policy, many students find this formal recognition of their work in Women's Studies to be a valuable credential in both academic and non-academic job markets.

Students who have earned or are pursuing the Graduate Certificate also receive first consideration for Women's Studies graduate fellowships and assistantships. There are also opportunities to take advantage of essay contests. The fellowships, contests and assistantships process begins spring term and awards are made in May.

In addition graduate students are notified of Women's Studies events--speakers, panels, the Living Archive series, etc.



Certificate Programs

A certificate signifies to current and future employers that an individual has attained a level of competency in a particular area of study. The Women's, Gender, and Sexuality Studies Program currently offers an interdisciplinary graduate certificate in women's studies and the Department of African American Studies offers a graduate certificate in African American studies. The Department of English offers two departmental certificates, one in translation studies and one in empire studies. The World Cultures and Literatures Program in the Department of Modern and Classical Languages offers two graduate certificates, one in Global Cinema Studies and one in Applied Linguistics in Teaching Chinese. The Department of Health and Human Performance offers graduate certificates in Sport and Fitness Operations and in Strength and Conditioning. CLASS also participates in the Graduate Certificate in Global Energy Development and Sustainability (GEDS), a cross-disciplinary and cross-college certificate program sponsored by the UH Energy initiative. Please contact the relevant programs directly for information about the certificates that they offer.



Communication Degrees

Jack J. Valenti School of Communication

Communication, MA

The Jack J. Valenti School of Communication at the University of Houston offers a Master's degree in Communication directed toward professional success in both academic and nonacademic careers. The goal of the program is to produce graduate students who are able to move effectively into professional media positions, advance their current careers, teach in junior colleges or high schools, or enter into top doctoral programs.

To date, our school has placed graduates into top-ranked PhD programs as well as into nonacademic positions in both public and private institutions. Regardless of the career goal, the graduate program broadens each student's communication expertise through courses that improve conceptual, applied, and research skills - all of which are critical for successful careers in today's information-oriented and changing global society.

Areas of Concentration

Within the MA in Communication, there are four specializations from which a student must choose one. The four areas are:

Health Communication, which focuses on examining the symbolic and organizational processes by which people, individually and collectively, understand, shape, and accommodate to health and illness.

Journalism & Mass Communication, which focuses on the development of modern media systems and their impact on society, and examines ways in which the media contribute and respond to political, social and economic issues

Public Relations, which focuses on theory and research that is needed to help advancing practitioners assist organizations to communicate and strengthen relationships with their stakeholders. Emphasis is given to management issues relevant to products, services, image, and public policy issues.

Global & Intercultural Communication, which focuses on communication patterns and formats between and among people across national borders and cultures with the aim of understanding the transfer of knowledge, opinions, values, and culture across boundaries

For more information, contact: Dr. Lindita Camaj, Director of Graduate Studies, at lcamaj@uh.edu.

Admission Requirements

In addition to meeting the college graduate admission requirements, applicants to the communication program must have achieved an undergraduate degree in communication or related subfield or have completed at least 18 college-level hours in the field.

For details on the application process and required documentation, please visit: <https://uh.edu/class/communication/graduate/how-to-apply/>.

Admission Information

To be considered eligible for unconditional admittance, the student must:

Have earned a Bachelor's Degree in an appropriate field from an accredited institution,



Have a minimum 3.0/4.0 Grade Point Average (GPA) in the last 60 undergraduate hours attempted, and
Have competitive scores on the GRE which are historically 153 or higher for the verbal portion, 153 or higher for math/quantitative portion in the current scoring system, and a 3.5 on the writing portion.

International students currently enrolled in an MA program with which we have an MOU may waive the GRE requirement
Students who have earned several grades of C or below in undergraduate communication courses will not be deemed eligible for this level of admission.

Applicants not meeting the criteria for unconditional admission might be considered for conditional admission. Any student admitted conditionally must:

Have a GPA of at least 2.7/4.0 in the last 60 undergraduate hours attempted,
Have a GPA of at least 3.00 in undergraduate communication course hours
Have acceptable GRE scores, and
Have other application materials that suggest the student can succeed in the graduate program.

All materials in the application packet (letters of recommendation, statement of purpose, transcripts and GRE scores) are considered in admission decisions.

Conditional admittance requires that the student maintain at least a "B" average in the first 12 hours attempted in graduate school. Conditional students will have their status changed by the graduate studies advisor after 12 hours of coursework provided they have maintained a "B" average in the first 12 hours of coursework. Students cannot embark on the next stage of the MA program - the thesis option, the comprehensive exam option, or the applied project option - until they are granted unconditional status. This is normally conferred (1) if the student has completed all undergraduate deficiencies noted at the time conditional status was granted, (2) if the student has fulfilled all graduate degree prerequisites, (3) if the student has terminated all incompletes on her/his graduate record, and (4) if the student has maintained a minimum (3.0) GPA in the graduate program.

Degree Requirements

Credit hours required for this degree:

Thesis Option - 30.0
Comprehensive Exam Option - 33.0
Project Option - 33.0

Thesis Option

All course work should be selected in conjunction with the graduate director, members of the thesis/comprehensive exam committees, and other professors in their areas of concentration.

COMM 6300 - Quantitative Research Methods **Credit Hours: 3.0**
COMM 6305 - Qualitative Research Methods **Credit Hours: 3.0**
COMM 6399 - Masters Thesis **Credit Hours: 3**
COMM 7399 - Masters Thesis **Credit Hours: 3**

Note:

Six hours of thesis credits (6399 and 7399) are the minimum requirement of hours to complete a thesis. In order to fulfill the requirements of finishing a thesis that is approved by the student's thesis committee, the student may be required to enroll in more than the required number of hours.

Three hours of pre-approved 4000-level coursework may be taken.

Comprehensive Exam Option



All course work should be selected in conjunction with the graduate director, members of the thesis/comprehensive exam committees, and other professors in their areas of concentration.

The student must pass a comprehensive examination in the final term of the degree program.

COMM 6300 - Quantitative Research Methods **Credit Hours: 3.0**

COMM 6305 - Qualitative Research Methods **Credit Hours: 3.0**

COMM 6395 - Comprehensive Examination **Credit Hours: 3.0**

One Concentration Area Theory Course. **Credit Hours: 3.0**

Seven Other Graduate Courses. **Credit Hours: 21.0**

Note:

Three hours of pre-approved 4000-level coursework may be taken.

Project Option

All course work should be selected in conjunction with the graduate director, members of the thesis/comprehensive exam committees, and other professors in their areas of concentration.

The student must complete a capstone project in the final term of the degree program.

COMM 6300 - Quantitative Research Methods **Credit Hours: 3.0**

COMM 6305 - Qualitative Research Methods **Credit Hours: 3.0**

COMM 6390 - Applied Project **Credit Hours: 3.0**

One Concentration Area Theory Course. **Credit Hours: 3.0**

Seven Other Graduate Courses. **Credit Hours: 21.0**

Note:

Three hours of pre-approved 4000-level coursework may be taken.

Academic Policies

University of Houston Academic Policies

Academic Policies: College of Liberal Arts and Social Sciences

Policies on Courses

NO course at the 3000 level or below are accepted for graduate credit.

Only courses in which a grade A through F is awarded can be applied to the number of hours required for a degree. Courses with grades of U or S do not meet degree requirements, except for comprehensive examination credit, which does not count as hours required for graduation.

All students admitted to graduate status must choose one of three options - the Thesis Option, the Applied Project Option, or the Comprehensive Exam Option - by the end of 12 hours, of graduate study. The requirements for each option are outlined below.

Only one 4000 level course, with an additional research component, may be petitioned for consideration as graduate credit.

Undergraduate courses taken to fulfill undergraduate deficiencies will not count as undergraduate courses credited to the graduate program. A petition must be submitted two weeks prior to enrollment and to allow for the multiple signatures required. The completion of a petition does not guarantee acceptance.

For courses taken outside of Valenti School of Communication, a petition must be submitted two weeks prior to enrollment and to allow for the multiple signatures required. These hours should supplement the student's area of concentration

Special Problems Course: Students may enroll in one special problems course with an individual professor. A special problems course is 3 credit hours. The appropriate section number is available each term from the professor who will direct the study or from the



graduate assistant. The student must complete a general petition form outlining the nature of the independent study, the product to be produced and evaluated, and how often student and professor will meet throughout the term. After the professor signs the general petition form, the student needs to submit it to the Director of Graduate Studies. The director of Graduate Studies must, before the last day of enrollment, have approved this petition. A student who fails to comply with this provision will be dropped from the state audit roll if the petition is not on file and approved by the twelfth class day. In no case may unapproved special problems hours be counted toward a degree.



Department Heads

Jack J. Valenti School of Communication

Director: Dr. C. Temple Northup

Director of Graduate Studies: Dr. Jen Vardeman-Winter

Department of African American Studies

Director: Dr. James Conyers

Department of Communication Sciences and Disorders

Chair: Dr. Lynn Maher

Director of Graduate Studies: Dr. Michelle Ivey

Department of Comparative Cultural Studies

Interim Chair: Dr. Janis Hutchinson

Director of Graduate Studies (Anthropology): Dr. Rebecca Storey

Department of Economics

Chair: Dr. David Papell

Directors of Graduate Studies: Dr. Dietrich Vollrath, Dr. Bent Sorensen, Dr. Rebecca Thornton

Department of English

Chair: Dr. J. Kastely

Director of Graduate Studies: Dr. Sally Connolly

Department of Health and Human Performance

Chair: Dr. Dan O'Connor

Graduate Studies Program Director: Ms. Lauren Abbott

Department of Hispanic Studies

Chair: Dr. Pedro Gutierrez

Director of Graduate Studies: Dr. Elizabeth Goodin-Mayeda



Department of History

Chair: Dr. Philip Howard

Director of Graduate Studies: Dr. Karl Ittmann

Department of Modern and Classical Languages

Chair: Dr. Hildegard Glass

Director of Graduate Studies: Dr. Alessandro Carrera

Department of Philosophy

Chair: Dr. David Phillips

Director of Graduate Studies: Dr. Josh Weisberg

Department of Political Science

Chair: Dr. Susan Scarrow

Director of Graduate Studies: Dr. Jeffrey Church

Department of Psychology

Chair: Dr. Jack Fletcher

Director of Graduate Studies: Dr. Chip Knee

Department of Sociology

Chair: Dr. Amanda Baumle

Graduate Director: Dr. Scott Savage

Program in Public Administration

Director: Dr. James Thurmond

Program in Women's Gender, and Sexuality Studies

Director: Dr. Elizabeth Gregory



Comparative Cultural Studies: Anthropology Program

Kenneth L. Brown. Professor of Anthropology. B.S., Western Michigan University; M.A., Ph.D., Pennsylvania State University.

Andrew J. Gordon. Associate Professor of Anthropology. M.P.H., Harvard University; Ph.D., University of Wisconsin.

Janis Hutchinson. Professor of Anthropology. B.A., M.A., University of Alabama; Ph.D., University of Kansas; M.P.H., University of Texas, Houston.

Keith McNeal. Associate Professor of Anthropology. B.A. Boston University, M.A. and Ph.D., Emory University.

Susan J. Rasmussen. Professor of Anthropology. B.A., Northwestern; M.A., University of Chicago; Ph.D., Indiana University.

Rebecca Storey. Graduate Program Director and Associate Professor of Anthropology. A.B., Smith College; M.A., Columbia University; Ph.D., Pennsylvania State University.

Randolph J. Widmer. Associate Professor of Anthropology. B.S., Florida State University; M.A., Ph.D., Pennsylvania State University.

R. Alexander Bently, Chair of Comparative Cultural Studies and Professor of Anthropology, PhD University of Wisconsin-Madison, BA, Bowdoin College.

Elizabeth Farfán-Santos, PhD, Assistant Professor of Anthropology, PhD University of California-Berkeley, BA, Trinity University.



Jack J. Valenti School of Communication

Lindita Camaj. Associate Professor of Communication. B.A., University of Pristina, Kosovo; M.A., Ph.D., Indiana University.

Hoojun Choi. Assistant Professor of Communication. B.A., Hanyang University; M.A., Ph.D., University of Georgia.

Summer Harlow. Assistant Professor of Journalism. Bachelor of Journalism from and B.A. in Spanish, University of Missouri-Columbia; M.A., University of Texas at Austin; Ph.D., University of Texas-Austin.

Martha J. Haun. Associate Professor of Communication. B.S., M.A., University of Texas at Austin; Ph.D., University of Illinois.

William Hawes. Professor Emeritus of Communication. B.A., Eastern Michigan University; M.A., Ph.D., University of Michigan.

Robert L. Heath. Professor Emeritus of Communication. B.A., Western State College of Colorado; M.A., University of New Mexico; Ph.D., University of Illinois.

Lea Hellmueller. Assistant Professor of Journalism. B.A., M.A., Ph.D., University of Fribourg in Switzerland.

Garth S. Jowett. Professor of Communication. B.A., York University, Toronto; M.A., Ph.D., University of Pennsylvania.

Jaesub Lee. Professor of Communication. B.A., Chonnam National University; M.A., Auburn University; Ph.D., University of Texas at Austin.

Wenlin Liu. Assistant Professor of Communication. B.A., Peking University; M.A., University of Washington; Ph.D., University of Southern California.

Dani Madrid-Morales. Assistant Professor of Journalism. B.A., Universitat Autònoma de Barcelona (Spain); M.A., Universitat Autònoma de Barcelona (Spain); M.A., Freie Universität, Berlin (Germany); Ph.D., City University of Hong Kong.

Lan Ni. Associate Professor of Communication. B.A., M.A., Nanjing University; Ph.D., University of Maryland.

Temple Northup. Director, Valenti School of Communication and Associate Professor of Communication. B.A., Wake Forest University; M.A., Syracuse University; Ph.D., University of North Carolina, Chapel Hill.

Beth Olson. Associate Professor of Communication. B.S., Bemidji State University; M.A., Texas Tech University; Ph.D., Indiana University.

Paul Michael Ryan. Professor Emeritus of Communication. B.A., M.A., University of Texas at Austin; Ph.D., Southern Illinois University.

Jennifer Vardeman. Director of Graduate Studies and Associate Professor of Communication. B.S., University of Texas at Austin, M.A., Ph.D., University of Maryland.

Zhiwen Xiao. Associate Professor of Communication. B.A., Wuhan University, China; M.A., Southern Illinois University, Carbondale; Ph.D., University of Kentucky.

Jill Yamasaki. Associate Professor of Communication. B.A., University of Colorado at Denver, M.A., University of Houston; Ph.D., Texas A & M University.



Faculty Emeriti

Martin R. Adams. Professor Emeritus of Communication. B.A., M.A., University of Redlands; Ph.D., Southern Illinois University.

Fay Wright Anthis. Professor Emerita of Human Development and Consumer Sciences. B.S., Kansas State University; M.S., University of Texas at Austin; Ed.D., Texas Woman's University.

William Austin. Professor Emeritus of Philosophy. B.A., Wesleyan University; B.D., Ph.D., Yale University.

Phillip Bacon. Professor Emeritus of Geography. B.A., University of Miami; M.A., Ed.D., Vanderbilt University.

Dorothy Baker. Professor Emerita of English. B.A., Wells College; M.A., University of Wisconsin; Ph.D., University of Maryland.

Ruth L. Barrett. Associate Professor Emerita of Human Development and Consumer Sciences. B.A., M.A., University of Texas at Austin; Ph.D., University of Illinois.

Richard Bean. Professor Emeritus of Economics. B.A., M.A., Texas A&M University; Ph.D., University of Washington.

John Bernard. Professor Emeritus of English and the Honors College. A.B., M.A.T., Harvard University; Ph.D., University of Minnesota.

Lynn Bliss. Professor Emerita of Communication Sciences and Disorders. Certificate of Clinical Competence in Speech-Language Pathology. B.A., University of Wisconsin; M.A., Columbia University; Ph.D., University of Michigan.

Suzanne Bloom. Professor Emerita of Art. B.F.A., M.F.A., University of Pennsylvania.

Harmon S. Boertien. Associate Professor Emeritus of English. B.A., M.A., University of Washington; Ph.D., University of Texas at Austin.

Valentini Papadopoulou Brady. Professor Emerita of French. B.A., University of Melbourne, Australia; Certificat d'etudes, University of Paris, Institut de Phonetique; Ph.D., University of Queensland, Australia.

Joseph Carbonari. Professor Emeritus of Psychology. B.A., Monmouth College; M.S.Ed., Ed.D., Northern Illinois University.

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Lawrence H. Curry, Jr. Professor Emeritus of History. B.S., M.A., University of South Carolina; Ph.D., Duke University.

Terrell Dixon. Professor Emeritus of English. B.A., University of Oklahoma; Ph.D., Indiana University at Bloomington.

Lee H. Dowling. Professor Emeritus of Spanish. B.A., Baylor University; M.A., Ph.D., Arizona State University.



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Richard I. Evans. Cullen Distinguished Professor Emeritus of Psychology. B.S., M.S., University of Pittsburgh; Ph.D., Michigan State University.

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Carlisle Floyd. Professor Emeritus of Music. M. D. Anderson Emeritus Professor of Music. B.M., M.M., Syracuse University.

Donna Russel Fox. Professor Emerita of Communication. B.A., University of Washington; M.A., University of Iowa; Ph.D., University of Missouri.

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Jessie McGraw. Associate Professor Emerita of English. B.A., Duke University; M.A., George Peabody College for Teachers.

Will L. McLendon. Professor Emeritus of French. B.S., University of Texas at Austin; M.S., Middlebury College; Certificat, Ecole de Preparation, Sorbonne; Docteur de l'Universite de Paris (Lettres).

Edwin A. Miles. Professor Emeritus of History. B.A., Birmingham-Southern College; M.A., Ph.D., University of North Carolina at Chapel Hill.

Caroline F. Morrison. Instructor Emerita of English. B.A., M.A., Rice University.

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William N. Nelson. Professor Emeritus of Philosophy. B.A., Harvard University; Ph.D., Cornell University.

Samye Cimerhanzel-Nestlerode. Professor Emerita of Modern and Classical Languages. B.A., M.A., Ed.D., University of Houston.

Joseph Lippman Nogee. Professor Emeritus of Political Sciences. B.S.F.S., Georgetown University; M.A., University of Chicago; Ph.D., Yale University.

Dennis Parle. Professor Emeritus of Hispanic Studies. B.A., Oakland University; M.A., University of Wisconsin at Madison; Ph.D., University of Kansas.

Gertrud B. Pickar. Professor Emerita of German. B.A., Allegheny College; M.A., University of California, Los Angeles; Ph.D., Rice University.

James Pickering. Professor Emeritus of English. B.A., Williams College; Ph.D., Northwestern University.

Dora N. Pozzi. Professor Emerita of Greek. B. Litt., Oxford University; Profesora en Filosofia, Universidad de Buenos Aires.

William Lee Pryor. Professor Emeritus of English. B.A., Florida Southern College; M.A., Ph.D., Florida State University.

Karl Reinhardt. Associate Professor Emeritus of Spanish. A.B., Guilford College; M.A., University of New Mexico; Ph.D., University of Texas at Austin.



Claus Reschke. Professor Emeritus of German. B.A., M.A., University of Oregon; Ph.D., Cornell University.

Harrell Rodgers. Professor Emeritus of Political Science. B.A., Sam Houston State University; M.A., University of Houston; Ph.D., University of Iowa.

Richard Rozelle. Professor Emeritus of Psychology. B.S., University of Wisconsin, Madison; M.S., Ph.D., Northwestern University.

Paul Michael Ryan. Professor Emeritus of Communication. B.A., M.A., University of Texas at Austin; Ph.D., Southern Illinois University.

Edward P. Sheridan. Provost Emeritus and Professor Emeritus of Psychology. B.A., University of Windsor; M.A., University of Detroit; Ph.D., Loyola University.

Alexander W. Siegel. Professor Emeritus of Psychology. B.A., Amherst College; M.A., Ph.D., Stanford University.

Barton Smith. Professor Emeritus of Economics. B.A., Birmingham Young University; M.A., Ph.D., University of Chicago.

Floy P. Soule. Professor Emerita of Spanish. B.A., University of Texas at Austin; M.A., Southern Methodist University.

Ted Stanton. Professor Emeritus of Communication. B.A., Colgate University; M.S., Columbia University.

Alan Stone. Professor Emeritus of Political Science. A.B., Union College; M.A., Ph.D., University of Chicago; J.D., Columbia University.

Donald Clint Streeter. Professor Emeritus of Speech. B.S., University of Minnesota; M.A., Ph.D., Iowa State University.

Loyd S. Swenson, Jr. Professor Emeritus of History. A.B., Rice University; Ph.D., Claremont Graduate School.

Les Switzer. Professor Emeritus of Communication. B.A., M.A., University of California, Berkeley; Ph.D., University of Natal, Pietermaritzburg, South Africa.

Fannie Scott Tapper. Assistant Professor Emerita of French. B.A., Baylor University; Ph.D., Rice University.

Philip B. Taylor, Jr. Professor Emeritus of Political Science. B.A., M.A., Ph.D., University of California.

Helen S. Thomas. Professor Emerita of English. B.A., M.A., Ph.D., Rice University.

Campbell B. Titchener. Professor Emeritus of Communication. B.M., M.S., University of Illinois; B.A., Ph.D., Ohio State University.

David J. Tomatz. Professor Emeritus of Music. B.M., University of Wisconsin; M.A., Ph.D., Catholic University.

Ruth Tomfohrde. Professor Emerita of Music. B.A., Artist Diploma, The Juilliard School of Music.

Amy Lee Turner. Associate Professor Emerita of English. B.A., Rice University; M.A., University of Colorado; Ph.D., Rice University.

Joyce Valdes. Professor Emerita of English. B.A., M.A., Ph.D., University of Texas at Austin.

Harry Walsh. Professor Emeritus of Modern and Classical Languages. B.A., M.A., University of Texas at Austin; Ph.D., University of North Carolina.

Janice Clemons Wendt. Professor Emerita of Health and Human Performance. B.S., M.Ed., Sam Houston State University; Ed.D., University of Houston.

Linda Westervelt. Professor Emerita of English. B.S., Georgetown University; Ph.D., Rice University.

Ira Wolinsky. Professor Emeritus of Health and Human Performance. B.S., City College of New York; M.S., Ph.D., University of Kansas.



Michael Wyschogrod. Professor Emeritus of Religious Studies. B.S.S., City University of New York, City College; Ph.D. Columbia University; D.H.L., Seton Hall University.

M.G. Yoes, Jr. Professor Emeritus of Philosophy. B.A., M.A., Baylor University; Ph.D., University of Pennsylvania.

Marc Zimmerman. Professor Emeritus of Modern and Classical Languages. B.A., M.A., San Francisco State University; Ph.D., University of California, San Diego.



Medicine

UH College of Medicine is founded on a social mission to improve health in underserved communities in Houston and across Texas. If your key driver is to help others and make a lasting impact, UH College of Medicine is for you.

Our approach to medical education is rooted in sound clinical training aimed at overall wellness. We don't train students to simply treat illness, but to take a holistic approach to improving patients' health. We address the social and economic factors that affect health outcomes, and work with a variety of professionals - from social workers and nurses, to lawyers and community health workers - to eliminate health disparities in high-priority communities.

Department of Behavioral & Social Sciences

Department of Biomedical Sciences

Department of Clinical Sciences

Department of Health Systems & Population Health Sciences

Programs

Doctor of Medicine/Master of Business Administration

Doctor of Medicine, MD/MBA

Doctor of Medicine/Master of Public Health

Doctor of Medicine/Master of Public Health Program

Doctor of Medicine

MD Program



College of Medicine - Leadership

Stephen J. Spann, M.D., M.B.A.

Vice President for Medical Affairs and Founding Dean of the College of Medicine

Paule Anne Lewis, M.B.A., M.H.A.

Associate Vice President, Business Operations

Dr. Bettina Beech, Dr.PH., M.P.H.

Associate Dean, Research

David S. Buck, M.D., M.P.H.

Associate Dean, Community Health

Ruth L. Bush, M.D., J.D., M.P.H.

Associate Dean, Medical Education

Kathryn V. Horn, M.D.

Associate Dean, Student Affairs, Admissions & Outreach

Jacqueline Levesque, A.Ed.

Associate Dean, Graduate Medical Education & Faculty Affairs

Bill Elder, Ph.D.

Chair, Behavioral & Social Sciences

Winston Liaw, M.D., M.P.H.

Chair, Health Systems & Population Health Sciences

Olivera Nestic-Taylor, Ph.D.



Chair, Biomedical Sciences

Brian C. Reed, M.D.

Chair, Clinical Sciences

LeChauncy D. Woodard, M.D., M.P.H.

Founding Director of the Humana Integrated Health System Sciences Institute

Dual Degree - Accelerated Pathway

Doctor of Medicine, MD/MBA

The C. T. Bauer College of Business and the College of Medicine MD/MBA Dual-Degree Program is a 5-year program that prepares students for careers in which the understanding of both business and medicine is critical. This program provides students with the opportunity to complete the degree requirements of a Medical Doctor and a Master of Business Administration in a shorter period of time than if the degrees were pursued separately.

For more information, contact:

C.T. Bauer College of Business

email: houstonmba@uh.edu

College of Medicine

email: UHCM-admissions@uh.edu

Admission Requirements

Admissions to the MD and MBA programs are completely independent. Students who are interested in the MD/MBA Dual-Degree Program must separately apply for admission to the MD program through the College of Medicine and the MBA program through the C. T. Bauer College of Business. Admission requirements for the MBA Program can be found on the Bauer website (<https://www.bauer.uh.edu/graduate-studies/apply/>) and requirements for the MD program can be found on the College of Medicine website (<https://uh.edu/medicine/admissions/>).

Admission to one program has no bearing upon admission to the other. MD students should apply to the MBA program during the Spring semester of the 3rd year of the MD program. MBA students should apply to the MD program by the end of the second semester in the MBA program. Once accepted into both programs, applicants must petition program coordinators at both colleges for admission into the Dual-Degree Program.

Completion of the Graduate Management Admission Test (GMAT) is usually required for students pursuing an MBA program. GMAT waivers will be awarded based on MCAT scores and performance in the MD curriculum up to the time of application reviews. Admission to one program does not ensure admission to the other college or its degree program. Further, failure to be admitted to one program does not negatively impact admission to the other college or its degree program.

Degree Requirements



Credit hours required for this degree: 201.0

Specific Coursework

The College of Medicine will accept a maximum of 12 credit hours, taken in the Bauer College of Business (graduate level), towards the 201 credit hours needed for the MD degree, with prior approval from the MD/MBA program coordinator. The C.T. Bauer College of Business will accept a maximum of 15 credit hours, taken in the College of Medicine, towards the 48 credit hours needed for the MBA degree, with prior approval from the MD/MBA program coordinator. The UH College of Medicine and C.T. Bauer College of Business offer a 5-year option and schedule for dual degree completion.

Should the student fail to complete the MBA degree, he/she would be allowed to apply a maximum of 6 credit hours of business courses toward the MD degree. Bauer College of Business will accept a maximum of 9 credit hours of College of Medicine courses for MBA elective credit, should the student fail to complete the MD degree. This acceptance is contingent on the courses satisfying MBA guidelines; the courses would need to be petitioned. The MBA coursework required for the MD/MBA Dual-Degree Program consists of 18 credit hours of core courses and 15 credit hours of electives.

In the advanced phase of the medical education, elective courses will be chosen to reflect the career interest of the student and the dual nature of the program, with guidance from academic advisors. With the right sequence of elective courses, students will be able to earn certificates in specialized areas of business such as Human Resource Management or Entrepreneurship.

MD students pursuing the MD/MBA degree will be advised to take business-related electives at the College of Medicine, as an example, the following are some of those courses with planned development:

- Clinical Informatics
- Medical Ethics
- Leadership in Medical Education
- Collaboration with Internal and External Constituents
- Communication with Internal and External Constituents
- Business of Medicine

Detailed academic plans and recommended curricula for the Dual-Degree Program are determined in collaboration with selected faculty and MD/MBA program coordinators at both colleges. The recommended curricula will be reviewed and approved by each college during annual program reviews or when needed.

Grading

Progress and academic standing in one program do not affect progress in the other program. Although up to 12 credit hours taken in the Bauer College of Business may be counted towards the student's MD degree, the grades earned for those courses will be considered a Pass/Fail grading and will not be considered in computing the College of Medicine grade point average. The effect shall be as if the courses were taken on a pass/fail basis. Likewise, grades for College of Medicine coursework, used towards the MBA, will not be used in computing the C.T. Bauer College of Business grade point average, or in determining whether the student is maintaining the 3.0 minimum graduate GPA required by the Bauer College of Business for graduation.

Curriculum Model

The following curriculum model is recommended for MD/MBA students:

- Year 1: Medicine
- Year 2: Medicine
- Year 3: Medicine



Year 4: MBA (33 Bauer SCH)

Year 5: Medicine

Graduation

To graduate, the student must meet all graduation requirements of both colleges. No courses taken from either college will be officially counted towards the degree from the other college until the student has completed all requirements and is eligible to receive both degrees. The student must file for graduation from the University of Houston with both degrees in the same term through his/her myUH portal. MD/MBA students will receive two diplomas.

Recommended Degree Plan for 5-Year MD/MBA Program

Recommended Degree Plan for 5-Year MD/MBA Program

Academic Policies

University of Houston Academic Policies

Academic Policies: C.T. Bauer College of Business

College of Medicine - Academic & Conduct Policies

Doctor of Medicine/Master of Public Health Program

The MD/MPH Dual Degree Program combines medical and public health education to prepare students for a career of caring for the health of individuals and their communities. This program is designed for students who envision a medical career that incorporates public health and medicine and will prepare physicians for academic careers or for practice in today's health care environment.

The MD degree is a four-year professional doctorate awarded upon graduation from UH College of Medicine, preparing recipients for careers in medicine. Education in the basic and clinical sciences is integrated with practical skills in physical diagnosis, patient-doctor communication, and medical specialties and subspecialties. The Customized MPH degree will be awarded by UTHealth School of Public Health and the degree is widely recognized as valuable training for professionals pursuing careers in health-related fields. In addition, skills learned in public health core disciplines, such as biostatistics, epidemiology, health administration and others, are essential for persons conducting clinical- or community-based research or those involved with leading health care organizations.

Admission Requirements

Applicants to the MD/MPH Dual Degree Program will be admitted independently by UH College of Medicine to the MD program and by UTHealth SPH to the MPH with a customized plan according to the admission schedule of each school. Applicants will be required to meet all standards stipulated by the respective institutions as detailed in their admissions policies. There will be an internal selection process for students in the College of Medicine to assist in trying to ensure applicants for the dual degree program are likely to be successful and understand the ramifications required of this dual degree experience. Although admission status may be shared between the two admission offices, admission materials (e.g., transcripts, letters of reference) will not be shared between admission offices, and admission to one program does not ensure admission to the other institution or its degree program. Further, failure to be admitted to one program does not negatively impact admission to the other school or its degree program. While each institution acknowledges that admission to the dual degree program may occur after a student has matriculated in a degree program at one or both schools, a student at either institution may not be matriculated at the other institution without completing the formal application and acceptance process.



Current UTHealth SPH MPH students are eligible to apply to the UH College of Medicine and, if admitted, be recognized as part of the Dual Degree Program prior to completing 50% (22 credit hours) of their current program. All applicants admitted to the Dual Degree Program must be admitted to the MD program to qualify. UTHealth SPH applicants will be required to provide proof of admission to UH College of Medicine in order to be recognized as part of the dual-degree program.

Degree Requirements

Coursework

The UTHealth SPH MPH program requires a minimum of 45 semester credit hours for graduation, including the completion of an internship experience (Practicum) and an Integrative Learning Experience (ILE) on a topic related to public health. A minimum of 33 semester credit hours from UTHealth SPH coursework is required for students in the MD/MPH program. Students admitted to the MPH-Customized program will follow and adhere to the program requirements outlined by the degree planner designated for the student's matriculation term. Up to 12 semester credit hours earned as part of the UH College of Medicine MD program will be applied to a student's MPH -Customized degree as elective credit. The remaining courses will be chosen to reflect the career interest of the student and the dual nature of the program.

Detailed academic plans and recommended curricula, including shared credit courses for the dual degree program, are determined in collaboration with selected faculty and MD/MPH program administrators at both institutions. The recommended curricula are reviewed and approved by the appropriate persons for each institution during annual program reviews or when needed.

The UH College of Medicine and UTHealth SPH MD/MPH Dual Degree Program offers 5-year option and schedule for dual degree completion. All MD/MPH students are advised to not enroll at UTHealth SPH during year 1, year 2, and year 3 of the UH College of Medicine MD program. Students in the 5-year program will request an official leave of absence, following appropriate College of Medicine schedules, between year 3 and year 4 of the MD program, which is when they will enroll at UTHealth SPH to pursue the MPH program. This is a key element of the 5-year program design and timed to promote success of dual degree students. Students enrolling any of these periods without consent of the SPH faculty will not be following program agreement structure.

Students enrolled in the MD/MPH program that wish to withdraw from the MPH program are eligible to transition into and complete the UTHealth SPH Graduate Certificate in Public Health non-degree seeking program.

Integrated Curriculum and General Timeline

[Integrated Curriculum and General Timeline for Five-Year MD/MPH Program](#)

Graduation

After meeting the requirements of each degree program, students in the MD/MPH Dual Degree program will receive diplomas from each institution, respectively. If a student in the MD/MPH Dual Degree Program does not complete the requirements of the MD program, the student may complete the MPH by fulfilling all requirements of that program. In this scenario, shared credits from the MD program will not be applied to the MPH program.

Academic Policies

[College of Medicine - Academic & Conduct Policies](#)

Professional



MD Program

Curriculum

UH College of Medicine's unique and innovative curriculum will prepare students to practice high-quality, high-value patient-centered medicine in a rapidly changing and complex health system. We place a major emphasis on primary care in under served populations, social determinants of health, community and population health, and behavioral health to improve health care disparities in urban and rural areas.

Throughout the four-year curriculum, students will be immersed in a highly integrated approach to the teaching of biomedical, clinical, behavioral and social, health system and population health sciences, complemented with robust experiential learning.

Phase 1 | Pre-Clerkship [18 months - Year1/Year2/]

The UH College of Medicine pre-clerkship is based on four pillars of foundational science, and clinical knowledge and experience: Biomedical Sciences; Physicians, Patients, and Populations; Longitudinal Primary Care; and Clinical Focus Sessions.

Biomedical Sciences

Biomedical Sciences courses provide foundational medical science knowledge, essential to practicing medicine. The courses are taught in an integrated format and cover the following disciplines: anatomy, embryology, histology, physiology, pathophysiology, and the underlying symptoms, diagnoses, causes and treatments of common to complex conditions and diseases.

Clinical Anatomy and Human development (9 weeks)

Course focus: Gross anatomy, basics of histology, embryology and human development

Scientific Foundations of Medicine (9 weeks)

Course focus: Molecular and cell biology, human genetics, key biochemical and metabolic pathways, and introduction to pharmacology and immunology

Integrated Organ-System Courses (9 courses: 3-6 weeks per course)

Course focus: Gross anatomy, basics of histology, embryology and human development

- Integumentary System
- Hematologic and Lymphatic Systems
- Nervous System
- Musculoskeletal System
- Gastrointestinal System and Nutrition
- Cardiovascular and Respiratory Systems
- Renal and Urinary Systems
- Reproductive and Endocrine Systems
- Behavioral Medicine

Physicians, Patients and Populations

(4 hours per week)

Throughout the pre-clerkship phase, the Physicians, Patients and Populations (PPP) courses develop physician-patient knowledge and competencies related to clinical skills. PPP topics include communication, professionalism, medical ethics, social determinants, health disparities, evidence-based medicine, clinical reasoning and decision-making, population health, health informatics, quality improvement, patient safety, scientific methodology, health systems and policy.

A student scholarly project will be one of the requirements, the results of which will be presented at a UH College of Medicine Research Day.

Longitudinal Primary Care



The Longitudinal Primary Care (LPC) course runs all four years of the MD program. In the pre-clerkship phase of the LPC course, PPP knowledge and competencies are applied in real-world settings through two types of patient experiences:

Continuity Clinic (4 hours per week)

Long-term placement in an ambulatory clinical setting to practice history-taking, physical examination, communication skills and patient management on patients - under the supervision of attending primary care physicians. Students will learn to function as a member of a primary care team, providing continuity of care to patients.

Household-centered Care (10 total visits)

As part of an interprofessional team, students will make ten visits to a household facing complex health challenges to learn about the social determinants of health (SDOH), how to identify appropriate support services and make referrals. The interprofessional team will consist of physician faculty, community health workers and professional students from other UH colleges, such as pharmacy and social work. During household-centered care, students will design and participate in community-oriented, quality improvement projects designed to address SDOH at the community level.

Clinical Focus Sessions

Interspersed throughout the pre-clerkship are six one-week Clinical Focus Sessions. Each session is dedicated to a different interdisciplinary topic related to the College of Medicine's mission and today's societal medical challenges. The sessions integrate biomedical science concepts with important clinical and population-oriented aspects of health and health care.

Clinical Focus Session 1: Our Community, Our Mission

Introduces students to the neighboring historic Third Ward community of Houston, Texas and the social determinants of health that impact its residents.

Clinical Focus Session 2: Closing the Quality Gap

Explores the health of populations, health equity, health disparities and models for quality improvement in health care. Through project-based learning, students will integrate biomedical, clinical, health systems and behavioral sciences.

Clinical Focus Session 3: Coping with Pain

Explores the biomedical science of pain, the prevalence of chronic pain in the U.S., clinical tools to assess pain and interprofessional modalities to treat it. Through project-based learning, students will integrate biomedical, clinical, health systems and behavioral sciences.

Clinical Focus Session 4: Transcending Borders

Explores multiple topics related to global health including neglected tropical diseases, stigmatization, social determinants of health worldwide, and unique aspects of health care for refugee and immigrant populations. Through project-based learning, students will integrate biomedical, clinical, health systems and behavioral sciences.

Clinical Focus Session 5: Living and Dying with Dignity

Examines and emphasizes the importance of end of life and palliative care. Students will explore comprehensive methods to assess emotional and physical pain near the end of life, and how to identify the emotional and spiritual needs of patients in a team-oriented approach. Through project-based learning, students will integrate biomedical, clinical, health systems and behavioral sciences.

Clinical Focus Session 6: From Substance Abuse to Thriving Life

This session will focus on the continuum from substance misuse to addiction and evidence-based interventions that can return the patient to a thriving life.

Advancement to Phase 2

Advancement to the Phase 2: Core Clerkship includes completion of the National Board of Medical Examiners (NBME) Comprehensive Basic Science Examination and the Transitions to Clerkship course.

NBME Comprehensive Basic Science Examination

Two weeks will be dedicated to CBSE review and testing to assess comprehension of pre-clerkship knowledge and content (no grade will be recorded on the student transcript).

Transition to Clerkships (T2C) Course

The T2C course reinforces both the oral presentation and clinical skills needed in hands-on care of patients throughout the



remainder of the curriculum. This course will include Advanced Cardiac Life Support (students are expected to have Basic Life Support training complete upon matriculation) as well as a review of common clinical procedures, ECG, common x-ray interpretation, history-taking and note writing.

Phase 2 | Core Clerkship [11 months - Year 2/Year 3]

The UH College of Medicine core clerkship provides patient encounters from the six core clinical disciplines - surgery, internal medicine, pediatrics, obstetrics-gynecology, family medicine and psychiatry - through the Longitudinal Integrated Clerkship and continuation of the Longitudinal Primary Care.

Longitudinal Integrated Clerkship

Throughout the core clerkship, UH College of Medicine students will participate in the Longitudinal Integrated Clerkship (LIC), which is based on a hybrid-rotation model that exposes students to various fields of medicine, simultaneously, for enhanced learning and retention of knowledge. In this model, learning occurs within concentrated experiences in four hospital-based inpatient settings of internal medicine, surgery, pediatrics and obstetrics-gynecology. In addition, students will learn across longitudinal, primarily ambulatory, experiences to allow continuity of patient contact and care, assessment and supervision, and clinical and cultural engagement.

LIC experiences include:

Four immersion rotations (4 weeks each)

Surgery, internal medicine, pediatrics and obstetrics-gynecology

Longitudinal ambulatory experience (24 weeks)

Will include encounters in surgery, internal medicine, pediatrics, obstetrics-gynecology, family medicine and psychiatry

Additional weekly educational sessions (4 hours per week)

Sessions will include case-based conferences to reaffirm the fundamental principles of evaluation and management of common clinical problems, patient simulations and core biomedical content.

Longitudinal Primary Care

During the core clerkship, Longitudinal Primary Care experiences focus on patient interaction, diagnosis and treatment in a continuity clinic and household-centered care.

Advancement to Phase 3

Advancement to the Advanced Clerkship Curriculum includes successful completion of the United States Medical Licensing Examination (USMLE) Step 1 examination.

USMLE Step 1 Examination

Students will have six weeks, before beginning Phase 3, to prepare for and take the USMLE Step 1 exam. (If needed, up to eight weeks will be allowed).

Phase 3 | Advanced Clerkship [15 months - Year 3/Year 4]

The advanced clerkship allows students to pursue individual interests and includes advanced rotations, elective experiences and continuation of Longitudinal Primary Care. During the advanced clerkship, students will be allowed to spend up to eight weeks interviewing for residency positions.

Required Advanced Rotations

Intensive Care Unit (4-week rotation)

Students may choose medical, surgical, neurological, pediatric or newborn ICU

Sub-internship (4-week rotation)

Students may choose medicine, surgery, pediatrics, obstetrics-gynecology, psychiatry, neurology or family medicine



Emergency Medicine (4-week rotation)

Rural Health (4-week rotation)

Elective Experiences

Students will work with their advisors to determine their electives. Students will have the option, and be encouraged, to spend up to 12 weeks of their elective time in the development of a scholarly concentration, and completion of a scholarly project. Scholarly concentrations can be in the field of primary care, community health, population health, global health, health informatics, health care administration, quality improvement, patient safety, health policy or biomedical ethics. Scholarly projects can focus on original research, systematic review of the medical literature, quality improvement initiative, community engagement and partnership project to improve community health.

Longitudinal Primary Care

During the advanced clerkship, Longitudinal Primary Care experiences focus on patient interaction, diagnosis and treatment in a continuity clinic and household-centered care.

Advancement to Graduation

Completion of the UH College of Medicine MD program includes successful completion of the USMLE Step 2CK (Clinical Knowledge) and Step 2 CS (Clinical Skills) examinations and the Transition to Residency course.

USMLE Step 2 CK/CS examinations

The passing of the USMLE Step 2 CK and Step 2 CS will be required prior to graduation.

Transition to Residency (T2R) course

The T2R course provides intensive review and learning activities to ensure that each student has completed the medical education program competencies and objectives and possesses the knowledge, skills, behaviors, and attitudes necessary to successfully perform as a first-year resident in their chosen specialty.

Department of Behavioral & Social Sciences

Bill Elder, Ph.D.

Chair, Behavioral & Social Sciences

welder@central.uh.edu

Phone: 713-743-2745

Behavioral and social sciences deal with many of the most complex and significant phenomena that affect people's health. Despite the complexity, most of these phenomena are predictable and manageable, allowing physicians to favorably influence patient outcomes.

The Department of Behavioral and Social Sciences aims to prepare students to be effective physicians on the front lines of health care delivery for populations with health disparities.

You will learn to communicate and relate warmly and respectfully with patients to achieve positive outcomes, intervene with mental and behavioral disorders, work effectively in teams and develop professional practices that lead to career satisfaction and personal wellness.

UH College of Medicine has taken aim at five societal issues throughout the curriculum. These issues were selected based on their impact on health in our region and the burden they place on patients, families and communities. Students will apply the knowledge and skills from the curriculum to develop solutions and respond to these problems:

Improving access to care



Preventing and managing obesity and its sequelae
Recognizing depression and reducing injuries and deaths attributable to suicide
Destigmatizing and effectively treating substance use disorders
Combatting the impacts of adverse childhood experiences

Department Goals

Educate future physicians that will be effective practicing in the forefront of medicine. Students will learn to:

Understand and treat mental disorders, individually and collaboratively
Understand the impact of patient perceptions and needs, community resources and culture on health
Practice relationship-centered care
Practice with compassion
Experience meaning and joy in their education and future practice

Behavioral and Social Sciences Faculty

Department of Biomedical Sciences

Olivera Nestic-Taylor, Ph.D.

Chair, Biomedical Sciences

onesicta@central.uh.edu

Phone: 713-743-6623

Faculty in the Department of Biomedical Sciences teach both fundamental and leading-edge biomedical sciences, which are fully integrated with clinical, behavioral and social sciences in the UH College of Medicine curriculum. In addition to the knowledge of the scientific facts, studying integrated biomedical sciences will also help students develop effective reasoning skills, and a habit of rigor and honesty in interpreting scientific and clinical data, preparing them for the future of medicine.

The Department of Biomedical Sciences is truly multi-disciplinary, comprising of faculty from a wide range of teaching and research expertise, including anatomy, physiology, biochemistry, molecular and cellular biology, pathology, pharmacology, immunology and neuroscience.

Department Goals

Medical Education

Articulate and reinforce the value of biomedical science knowledge in the practice of evidence-based medicine.
Teach with excellence, enthusiasm and compassion, and be willing to adapt in response to the educational needs of our students.
Become a national role model for medical education through the development, dissemination and practice of innovative curricular content and teaching strategies.

Scholarships & Community Engagement



Support and promote scientific discoveries and scholarship initiatives, especially in the research areas focused on improving health in our neighboring communities and society at-large.

Create and participate in community-engaged projects, including educational and other initiatives focused on better understanding the scientific basis of medicine.

Mentoring & Wellness

Provide compassionate mentorship to students, faculty and staff, and support their efforts to achieve excellence in medical education, medical research and work-life balance.

Foster wellness practices of faculty and staff in the Department of Biomedical Sciences, and with UH College of Medicine students.

Department of Biomedical Sciences Faculty

Department of Clinical Sciences

Brian C. Reed, M.D.

Professor & Chair, Clinical Sciences

bcreed@uh.edu

Phone: 713-743-3464

The Department of Clinical Sciences faculty are committed to the provision of high - quality, evidence-based patient care and education the next generation of health care professionals. Our ultimate goal is to improve the health and well-being of the populations that we serve.

To that end, the faculty will provide students with a solid foundation of clinical skills and understanding of social determinants of health that impact patient outcomes. We collaborate with interdisciplinary teams of health care professionals, researchers and community partners to develop innovative models of care and implement solutions for gaps in quality. We are comprised of clinicians from different medical specialties who are actively engaged in the development of the curriculum. Driven by a passion to improve the future of medicine, clinical sciences faculty serve as mentors to medical students and help to guide their professional development.

Areas of Focus

Evidence-based medicine

Team-based care

Health promotion

Clinical innovation

Quality improvement

Eliminating health disparities

Clinical Partners Where UH College of Medicine Faculty Provide Patient Care

Our clinicians provide comprehensive primary care at several clinical locations that have affiliation agreements with the University of Houston College of Medicine.



Lone Star Circle of Care - UH Clinic

4849 Calhoun, Suite 1001A

Houston, Texas 77204

The Harris Center for Mental Health & IDD

Northwest Clinic

3737 Dacoma

Houston, Texas 77092

Northeast Clinic

7200 North Loop East Freeway

Houston, Texas 77028

Department of Clinical Sciences Faculty

Department of Health Systems & Population Health Sciences

Winston Liaw, M.D., M.P.H.

Chair, Health Systems & Population Health Sciences

wliaw@central.uh.edu

Phone: 713-743-6489

The Department of Health Systems and Population Health Sciences exists to equip tomorrow's doctors with the knowledge, vision and tools to be agents of change, who make communities healthier and our health system more effective, efficient and equitable.

Why treat people and send them back to the conditions that made them sick?

- Michael Marmont, M.D., Author of "*The Health Gap*"

The department focuses on research and instruction in health-system and health-delivery innovation, data intelligence and community engagement for individual and population health. With the ability to test novel solutions and harness grassroots wisdom, graduates will be prepared to bridge medicine and public health. They will be able to support the conditions needed for sustainable community and individual health, as leaders in community health.

Areas of Focus

- Population health
- Social determinants of health
- Health informatics
- Team science
- Community engagement

Department of Health Systems & Population Health Sciences Faculty



Natural Sciences & Mathematics

College of Natural Sciences and Mathematics

Department of Biology and Biochemistry

Programs

Master

- Biochemistry, MS
- Biology, MS

Doctoral

- Biochemistry, PhD
- Biology, PhD

Graduate Certificate

- Biomedical Sciences, Certificate

Department of Chemistry

Programs

Master

- Chemistry, MS

Doctoral

- Chemistry, PhD

Department of Computer Science

Programs

Master

- Computer Science, MS

Doctoral

- Computer Science, PhD

Graduate Certificate



- Interactive Game Development, Certificate

Department of Earth and Atmospheric Sciences

Programs

Master

- Atmospheric Science, MS
- Geology, MS
- Geophysics, MS

Doctoral

- Atmospheric Sciences, PhD
- Geology, PhD
- Geophysics, PhD

Graduate Certificate

- Geographical Information Science (GIS) Certificate
- Hydrogeology, Certificate

Department of Mathematics

Programs

Master

- Applied Mathematics, MS
- Mathematics, MA
- Mathematics, MS
- Statistics and Data Science, MS

Doctoral

- Mathematics, PhD

Graduate Certificate

- Computational Mathematics, Certificate
- Financial Mathematics, Certificate

Department of Physics

Programs

Master

- Physics, MS



Doctoral

- Physics, PhD



About the College of Natural Sciences and Mathematics

Office of the Dean

(713) 743-2611
214 Science and Research 1 Building

Department of Biology and Biochemistry

(713) 743-2666
342 Science and Research 2 Building

Department of Chemistry

(713) 743-2701
112 Lamar J. Fleming, Jr. Building

Department of Computer Science

(713) 743-3350
501 Philip G. Hoffman Hall

Department of Earth and Atmospheric Sciences

(713) 743-3399
312 Science and Research 1 Building

Department of Mathematics

(713) 743-3500
651 Philip G. Hoffman Hall

Department of Physics

(713) 743-3550
617 Science and Research 1 Building

Dean:

Dan Wells, Ph.D., Indiana University



Associate Dean for Graduate Studies:

Anne Delcour, Ph.D., Cornell University

Associate Dean for Student Success and Undergraduate Affairs:

Donna Stokes, Ph.D., University of Houston

Associate Dean for Research:

T. Randall Lee, Ph.D., Harvard University

Associate Dean for Faculty Affairs:

Jim Briggs, Ph.D., Purdue University

Program Director for Undergraduate Studies:

Tristan Sims, B.S., University of Houston

Program Director for Graduate Studies:

Melissa Lowrey, B.A., University of Houston - Clear Lake

General Information

The College of Natural Sciences and Mathematics (NSM) research activities and graduate programs impact health, energy, industry, the environment, and space exploration, reaching far beyond our city and nation.

NSM offers numerous advantages for students pursuing an advanced degree:

- Nationally and internationally recognized faculty

- Six academic departments offering numerous programs, including interdisciplinary training

- A strong national and international research agenda

- State-of-the-art facilities and instrumentation

- Collaborative relationships with the Texas Medical Center, NASA, other universities, national laboratories, the energy industry and international corporations

The College offers master's degrees in ten disciplines and doctoral degrees in nine disciplines. These degrees prepare graduates for a variety of in-demand careers, including working in industry, health care, or teaching and performing research in a college or university.

Facilities

The College of Natural Sciences and Mathematics leads the University in generating research grant funding. Numerous cutting-edge research centers and facilities allow faculty and students to engage in interdisciplinary, collaborative research. On campus, NSM research and



teaching occurs in eight (8) facilities: Science and Engineering Research Center, Science & Research Building 1, Science & Research Building 2, Lamar B. Fleming Building, Science Teaching Laboratory Building, Houston Science Center, Phillip G. Hoffman Hall, and the Health and Biomedical Sciences Building.



Admission Requirements: College of Natural Sciences and Mathematics

The college requires a bachelor's degree from a recognized institution and an adequate background in the subject to be studied for entry into any of its graduate programs. Applicants must satisfy all University of Houston Admission Requirements as specified in this catalog. For specific degree requirements, applicants should consult the appropriate department chair, graduate director, or graduate advisor.

Admission to individual departments in the College of Natural Sciences and Mathematics is based on thorough examination of the applicant's prior academic and professional experience. The general requirements for consideration for acceptance into graduate programs in the College of Natural Sciences and Mathematics are:

Submission of an application for admission to graduate studies.

Submission of official Transcripts from all institutions of higher education previously attended. Transcripts should be sent to the Graduate School, University of Houston, 4800 Calhoun Road, 102 E. Cullen Building, Houston, Texas 77204-2012.

Both the cumulative GPA and GPA computed using the last 60 hours will be taken into consideration.

Graduate Record Examination scores are optional for most graduate programs. Applicants should contact the program to verify the requirement. If required, official GRE scores must be submitted by Educational Testing Service (Institution code 6870).

Proof of English proficiency for applicants who do not hold a prior degree from a US institution or countries exempted by the University of Houston from this requirement (see University of Houston Admission Requirements). For English proficiency, the requirement is an overall score at least 79 on the Test of English as a Foreign Language (TOEFL), or an overall score of 6.5 on the International English Language Testing System (IELTS), or an overall score of 105 on DuoLingo.

A brief statement as to the applicant's aspirations at the graduate level.

Three letters of recommendation.

Applicants should contact the individual departments to determine what additional materials may be required to accompany the application for admission. In addition, applicants should check on the departmental web sites for information on application deadlines. Some departments have Fall admissions only.

Conditional and Unconditional Admission Requirements

To be eligible for unconditional admission, students must have a grade point average of at least 3.00 (A=4.00) during the last 60 semester hours of graduate and/or undergraduate work attempted.

Conditional admission may be granted to students who have earned their degrees at an accredited United States institution, who have a grade point average of at least 2.60 (A=4.00) during the last 60 semester hours of graduate and/or undergraduate work attempted, and if required, whose scores on the GRE are high enough to indicate probable success in the graduate program. To remain in a graduate studies program, conditionally admitted students must earn a cumulative grade point average of at least 3.00 (A=4.00) at the end of the term in which the student has completed 12 hours of letter-graded coursework in the program in which they were conditionally admitted, and have the recommendation of their department.

Applicants without a strong background for graduate study in the discipline may be requested to take remedial courses as a condition of admission.

Pre-Grad Status

A pre-grad student is one who has earned a Bachelor's degree at an accredited institution, has the intention of pursuing a graduate career, but is not formally admitted to a graduate program. Rather, the pre-grad student is allowed to take up to 12 hours of graduate courses in a non-degree capacity. Students may apply courses taken in the pre-grad status to a graduate degree, subject to the approval of the individual department. Students are encouraged to consult their respective departments about this matter before embarking on a course of action.



Non-Degree Objective Graduate Status

A graduate student with a non-degree objective is a student who has earned a Bachelor's degree and does not have the intention to obtain a graduate degree, but wishes to enroll in one or a few graduate courses. No more than 18 hours of graduate courses will be allowed in this status. Students should consult with the respective departments for admission procedures.

Additional Requirements

Along with the minimal requirements for conditional or unconditional admission, each department in the College of Natural Sciences and Mathematics has additional admission requirements, depending on the discipline and degree objective. Questions concerning these additional requirements should be addressed to the graduate advisor of the respective department.



Graduate Degree Requirements: College of Natural Sciences and Mathematics

General Requirements

In accordance with University policies, the College requires that graduate students have a cumulative GPA of 3.0 in order to graduate. Students who have received 12 hours of U grades and/or grades of C+ or lower are not eligible to receive a graduate degree. Students may need to fulfill specific prerequisite requirements for their degree program, and are encouraged to visit the departmental web sites for this information. Students who need to make any changes to their major or degree plan will need to submit a Graduate Petition form that requires the approval of their Department and the College.

Master of Art Degree

Degree Requirements

The MA degree is designed for the professional scientist who wishes to focus on excellence in training rather than excellence in research.

This 33 hour program requires:

- 15 hours in a discipline with at least 9 hours at the 5000 or above level; and
- A minimum of 15 hours in approved areas with at least 9 hours at the 5000 or above level; and
- A minimum of three hours in a special problem or tutorial.

Currently, only the Department of Mathematics offers an MA degree. This MA program is viewed as a terminal degree program.

Master of Science Degree

Degree Requirements

The Master of Science (MS) degree will be awarded after students have successfully completed requirements specified in one of the two following plans:

Plan I: Thesis Option

Students may satisfy degree requirements by completing a minimum of 30 approved credit hours. At least three, but not more than six, credit hours of the Master's Thesis course and a thesis acceptable to the department and the College must be completed. At the option of the department, a qualifying and/or final comprehensive examination may be required.

Students who complete a thesis as part of their degree requirements must specify a thesis committee and have the names on file in the Office of the Dean at least one term prior to their graduation. The committee must consist of a minimum of two faculty members who have their primary appointment within the major department and one approved member external to the major department from industry or academia who is acceptable to the department and approved by the college. A faculty member with a joint appointment in the major department is considered as an outside member unless he/she chairs the committee. In this case, an additional external member outside the major department is required. After these minimum requirements for committee members are satisfied, additional committee members may be approved from industry or academia, but 50% of the committee must be tenured/tenure-track faculty at the University of Houston. Research faculty, instructional faculty and emeritus faculty may serve on thesis committees but not chair the committees. However, a



research professor may serve as a co-advisor with a tenured/tenure-track faculty. For the purpose of committee composition, an emeritus faculty is considered as an internal non-tenure-track faculty member.

Plan II: Non-Thesis Option

In some departments, students may obtain a Master's degree by completing coursework, seminars, and in some cases a tutorial, practicum or capstone project, without the requirement for writing and defending a Master's thesis. At the option of the department, a qualifying examination and/or final comprehensive examination may be required.

Doctor of Philosophy Degree

Degree Requirements

Award of the Doctor of Philosophy (PhD) degree signifies that the recipient has acquired a broad knowledge of the discipline and has demonstrated, by successful completion of an acceptable dissertation, research competence meeting the discipline's national standards. The PhD program requires a minimum of 54 credit hours; one academic year of continuous full-time residence (Fall/Spring or Spring/Summer/Fall); enrollment in at least three credit hours of the Doctoral Dissertation course; and successful completion of examinations in the discipline, at the discretion of the department.

Doctoral students' dissertation committees must be comprised of a minimum of four members to include three faculty members who have their primary appointment within the major department and one approved member external to the major department from industry or academia who is acceptable to the department and approved by the college. A faculty member with a joint appointment in the major department is considered as an outside member unless he/she chairs the committee. In this case, an additional external member outside the major department is required. After these minimum requirements for committee members are satisfied, additional committee members may be approved from industry or academia, but 50% of the committee must to be tenured/tenure-track faculty at the University of Houston. Research faculty, instructional faculty and emeritus faculty may serve on dissertation committees, but not chair the committees. However, a research professor may serve as a co-advisor with a tenured/tenure-track faculty. For the purpose of the committee composition, an emeritus faculty is considered as internal non-tenure-track faculty member. Candidates must specify a dissertation committee and have the names on file in the Office of the Dean at least one term prior to their graduation.

Starting in the third year of the PhD program, a doctoral student must present his/her research at a yearly meeting with the student's entire dissertation committee in order for the committee to assess progress, to provide feedback to the student and to ensure that the student is on track in the research.

Obtaining a Master's Degree Together with a PhD Degree

Occasionally, a student in a PhD program may want to obtain an MS degree in the same major. In this case, the student must petition the department and college, as described below.

Non-Thesis MS: a student admitted into a PhD program who wishes to obtain a non-thesis MS along with the PhD will need:
to petition no sooner than at the beginning of the 4th academic year in the PhD program and
have passed the candidacy/qualifying exam. The petition will be accompanied by a letter of support from the research advisor acknowledging that the student remains on track for a PhD. If the petition is approved, the MS career will be open for one term only, when the student wishes to obtain the MS degree.

Thesis MS: it is expected that a student in a PhD program should focus all his or her efforts on the PhD rather than working towards a Master's thesis. Therefore, obtaining a thesis MS while in a PhD program is not encouraged by the College. However it is understood that there might be special circumstances, such as a student wishing to switch advisor, that could warrant obtaining a thesis MS prior to the PhD. In this case, a PhD student will need to petition no later than the second academic year in the PhD program. The petition will be accompanied by:



a letter of support from the research advisor, acknowledging that the student remains on track for a PhD and that the PhD work will be different from the MS thesis work, and evidence that the student is registered in 6 hours of Master's thesis for that term. If the student is switching advisor when continuing with the PhD, then letters from both advisors will be required. If the petition is approved, the MS career will be open for one term only, when the student wishes to obtain the MS degree. Therefore the student must plan carefully with his or her research advisor and committee to schedule the MS defense that term. In addition, the student will not be eligible for the Graduate Tuition Fellowship while the MS career is active.



Academic Policies: College of Natural Sciences and Mathematics

Graduate Course Load

The following course load regulations apply to all graduate programs within the College of Natural Sciences and Mathematics. Nine credit hours is considered a full-time course load for a Fall or Spring term, and six hours for the Summer, for both masters and doctoral students. A student working on a thesis or dissertation must be continuously enrolled in a minimum of three hours each Fall and Spring term, and a minimum of three hours of thesis or dissertation in the term in which the work is completed and submitted to the dean's office for approval.

With approval of the instructor and the graduate advisor, graduate students may drop courses, in compliance with the deadlines published by the university in the Academic Calendar. However, international students and graduate student assistants must maintain full-time enrollment in the Fall and Spring terms.

Low Grade Policy

A graduate student who receives a grade of C+ or lower and/or a grade of U in 12 semester hours of credit attempted while in the graduate program, whether or not in repeated courses, is ineligible for a Master's degree, doctoral degree or certificate awarded by the student's department. The College will send a warning letter to a student who has accumulated 6 semester credit hours of grades of C+ or lower and/or U to mandate that the student meet with his/her department graduate chair to design a deficiency plan intended to address the student's issues. The deficiency plan will be filed with the Associate Dean for Graduate Studies.

Students should also refer to the University Low Grade policy which is distinct from the College policy.

Thesis and Dissertation Defenses

Students in their graduating term should schedule their defenses at a time when all their committee members are able to attend. However, it is understood that committee members may have scheduling conflicts and not be in Houston for the defense. In this case, it is acceptable that the committee members attend the defense via video conferencing. If only a phone connection is available to absent member, the student presentation must have been sent to the absent member ahead of time, so all committee members are able to view the presentation. However, **at least half of the committee** must be physically present at the defense of an MS thesis or a PhD dissertation. The absence of only one member of the committee due to an emergency the day of the defense is permitted, otherwise the defense must be rescheduled.

Any decision regarding the outcome of the defense (either pass or fail) requires full committee approval. If the committee cannot reach a consensus, then the committee chair should request an independent review of the thesis or dissertation by both the Department Chair and the Graduate Chair, or their designees.

The submission of an MS thesis or PhD dissertation to the college must be accompanied with the Thesis/Dissertation Approval Form from the Graduate School, that has been signed by all committee members (including the committee chair) to acknowledge that the document is approved for submission to the College. Actual signatures are preferred, but committee members who attended the defense remotely are allowed to use electronic signatures. In no circumstance should another committee member, the committee chair, or any other faculty sign the signature page on behalf of the absent committee member.

All theses and dissertations will be checked by one of the College readers for formatting, grammar and compliance with the guidelines provided on the College website. Students should familiarize themselves with the formatting and submission instructions available on the College website. The College will allow no more than three revisions of a thesis or dissertation within the 2-week revision period following the posted deadline for initial submission of a thesis/dissertation. If the fourth submission is not acceptable by the reader or if the revision



period has passed (whichever comes first), the student will need to defer graduation to the following term, and submit a revised version to be approved by the College.

Graduate Student Assistants

Graduate student assistants are graduate students in good standing enrolled full-time who hold an appointment requiring the performance of such duties as classroom and/or laboratory instruction, grading papers and exams, or research. There are five graduate student appointment categories, encompassing the position of Teaching Fellow, Graduate Assistant, Teaching Assistant, Instructional Assistant and Research Assistant.

Graduate students may hold an assistantship for no more than three years in pursuit of a master's degree, no more than six years in pursuit of a doctoral degree, or a combined total of no more than six years. Faculty consider such factors as the steady progress toward the completion of an advanced degree and the quality of performance of assigned duties in determining the continued assignment of an assistantship. The college grants exceptions to these policies only in rare circumstances, and these exceptions depend solely upon the written petition of a department chair with the approval of both the Dean of the College and the Dean of the Graduate School.

Graduate assistants will normally be limited to a 50 percent appointment, which usually entails service for no more than an average of 20 hours per week, including time spent in preparation, in the classroom and laboratory, in reading papers and examinations, and in any combination of these or other activities as assigned. In rare instances, assistants may receive up to a 67 percent appointment with the stipend increased and the required course load decreased proportionately. Approval of these deviations must be justified on an individual basis, involve an exceptional set of circumstances, and receive the consent of both the Dean of the College and the Dean of the Graduate School. Teaching Fellows (graduate students teaching a course for credit) must have completed a minimum of 18 credit hours in graduate credit in their teaching field, must be in good standing and must be making satisfactory progress toward the degree. The Teaching Fellow may be listed as the instructor of record.

International and non-resident graduate student assistants are granted a non-resident tuition waiver, which allows them to pay only in-state tuition.

Scholarships and Financial Aid

The College offers students scholarships and fellowships to help defray the cost of their graduate education. The Graduate Tuition Fellowship covers the cost of in-state tuition and mandatory fees for qualified PhD students who are employed as Teaching Fellows, Research Assistants, Instructional Assistants or Teaching Assistants. Exceptional PhD applicants to our programs are also eligible for a Presidential Fellowship for the first two years of their graduate study.

Enrollment and Residency Requirements

The College requires all graduate students to be continuously enrolled in a minimum of 3 credit hours in each Fall and Spring term. MA and MS students are required to complete their degree in 5 years. PhD students are required to fulfill one academic year of continuous full-time residency (Fall/Spring or Spring/Summer/Fall) and to complete their degree in 10 years.

Leave of Absence

All graduate students (MA, MS Thesis, MS Non-Thesis, PhD) who do not plan to enroll in a long term (Fall or Spring term) need to file a leave of absence (LOA) to be approved by the Department and the College. The LOA petition will be approved for only one term at a time. If a student plans to be away from graduate work for more than a term at a time, he/she will have to petition for another LOA prior to the



beginning of the following term. Students will not be granted more than three LOAs in their whole graduate career. It can be three consecutive long terms, or any three individual terms, or any combination. A Dean's hold will be placed on the student account once the LOA has been approved. The student will need to submit a graduate petition for requesting a graduate studies reinstatement prior to the start of the term in which they plan to return. Once the reinstatement is approved, the hold will be removed and the student can enroll in classes. Students who do not return to school at the end of the approved LOA and have not petitioned for another LOA will be terminated from the program per University policies.

Grievance Policy

For matters of academic honesty, students should refer to the University Academic Honesty policy. For all other matters, a multi-level procedure for redress of a grievance is available to any graduate student of the college. Prior to initiating the grievance process at the departmental level, the grieving student has the opportunity to seek advice from the College, by requesting an appointment with the Associate Dean for Graduate Studies. The Associate Dean may recommend that the student meet with one or two members of the College Graduate Committee, who are not in the same department as the student, to discuss the issues at hand. Every effort shall be made by the student, faculty member, and chair to resolve the grievance within the departmental structure. If the departmental grievance procedures do not resolve the grievance, the graduate student may petition the college for redress of the grievance. The student must file written notice of a formal grievance with the Associate Dean for Graduate Studies within ten calendar days from the receipt of the departmental decision regarding the grievance.

In this notice, the grievant must state:

The issue being grieved and provide evidence to support the grievance.

The desired resolution.

The Associate Dean will form an ad hoc committee to hear the complaint. This ad-hoc committee will be composed of two faculty members and one graduate student from the College of Natural Sciences and Mathematics. One of the two faculty members will be from the department concerned, and the second faculty member will chair the committee. A student from the department concerned shall not be appointed.

The ad hoc committee is empowered to know the department's proposed solutions and, if deemed appropriate, to take testimony from individuals involved in the case. Such individuals will be contacted to set a time, place, and date for their testimony to be given. No formal record of the proceedings need be kept. Normally, the ad hoc committee shall complete its work within thirty calendar days of the request for a hearing unless extenuating circumstances make this deadline impossible to meet.

A brief, written summary of the findings of the ad hoc committee and their recommendations will be provided to the Dean of the college upon completion of the committee's work. The Dean will make a final decision which shall be binding on both the department and the student, and shall notify the grievant and the department in writing within ten calendar days from the receipt of the committee's report.

If the student does not find the Dean's decision acceptable, the student may, within thirty calendar days of the receipt of the Dean's decision, appeal their case to the Vice Provost/Dean of the Graduate School. After the case has been reviewed by the Graduate School, if the student wishes to further appeal the decision of the Vice Provost/Dean of the Graduate School, the student may file, within 10 working days of the notification by the Vice Provost/Dean of the Graduate School, a written appeal to the Senior Vice President for Academic Affairs and Provost.

*Because assigning a grade or evaluating a student's academic performance involves the faculty's professional judgment and is an integral part of the faculty's teaching responsibilities, disagreement with an instructor concerning a grade or evaluation is not a justifiable grievance under this policy. In cases where such is in question, the faculty member shall be responsible for the assignment of grades.

Special Departmental Academic Regulations



Each department within the College of Natural Sciences and Mathematics maintains a detailed set of academic regulations governing both the master's and doctoral programs. It is the responsibility of students to be informed of these regulations from their respective departments at the time of their initial enrollment.

General Regulations

Students are strongly encouraged to become familiar with the General Information section of this catalog, which details general university information, regulations, and requirements.



College of Natural Science and Mathematics Departments

Department of Biology and Biochemistry

Admission to Master's and Doctoral Programs

The Department of Biology and Biochemistry (DBB) offers programs of research and study leading to the M.S. and Ph.D. degrees in Biology or Biochemistry. In addition to the College of Natural Science and Mathematics Admission Requirements, applicants should have a Baccalaureate Degree (B.S.) in Biology, Biochemistry, or an equivalent discipline. See the Biology and Biochemistry Admission Requirements for more details.

Evaluation of applicants involves a broad range of criteria including undergraduate preparation, GRE scores, three letters of recommendation, a statement of purpose, and relevant scientific experience.

For more information, please contact:

Graduate Program Coordinator
Department of Biology and Biochemistry

369 Science and Research Building 2

University of Houston

Houston, Texas 77204-5001

E-mail: biogradaffair@mail.nsm.uh.edu

Master

Biochemistry, MS

The Department of Biology and Biochemistry offers programs of research and study leading to the M.S. degree in Biochemistry.

For more information, please view <http://www.uh.edu/nsm/biology-biochemistry/graduate/>.

Admission Requirements

In addition to the College of Natural Science and Mathematics admission requirements, applicants should have a Baccalaureate Degree (B.S.) in Biology, Biochemistry, or an equivalent discipline. Evaluation of applicants involves a broad range of criteria including undergraduate preparation, GRE scores, three letters of recommendation, a statement of purpose, and relevant scientific experience.

International students should visit <http://www.uh.edu/graduate-school/admissions/international-students/> for information on additional requirements, including the application fee.

Degree Requirements

The Master of Science (M.S.) degree will be awarded after students have successfully completed the requirements specified in one of the two following plans:



Plan Selection

Plan I: Thesis Option

Students may satisfy the degree requirements by completing at least 30 approved semester hours; satisfactorily completing the laboratory rotations and formal graduate-level course requirements including seminars; enrolling in 3-6 semester hours of thesis courses; and completing and defending a thesis acceptable to the thesis committee. All students must be continuously enrolled until the degree requirements are completed.

Plan II: Non-Thesis Option

Students may satisfy the degree requirements by completing at least 36 approved semester hours. All students must be continuously enrolled until the degree requirements are completed.

Major Professor and Thesis or Study Committee

Selection of the Major Professor

Each student is required to select, by mutual agreement, a primary, secondary or jointly appointed member of the faculty of the Division of Biochemistry as a thesis advisor (major professor) who, with the thesis (MS Plan I) or study (MS Plan II) committee, will supervise the student's graduate studies. This faculty member will chair the committee. A faculty advisor should be selected by the end of the first long semester (Fall or Spring) but in no case later than the end of the 2nd long semester of residence in the program.

The Chair of the student's committee shall be a tenured or tenure-track faculty member with primary or secondary appointment or voting privileges in the Biochemistry Division of the Department of Biology and Biochemistry. A student may also choose a faculty member from the Department of Biology and Biochemistry who does not hold any appointment in the Division of Biochemistry provided that, as with any Biochemistry candidate, the student meets all the requirements of the Biochemistry graduate program, including those on committee composition, course work, and the biochemistry examinations.

Selection Committee

In consultation with the major professor, the student shall select, by mutual agreement, faculty members to serve on the thesis or study committee. The committee should be chosen within the 30 day period following selection of the advisor, but in no case after the end of the 2nd long semester of residence. Failure to meet this requirement may result in dismissal from the program. The membership of this committee is subject to approval by the Associate Chair for Graduate Affairs, the Chair of the Department and Dean of the college. The major functions of this committee are to approve a program of studies for the student, to administer the necessary examinations, and to evaluate the student's progress. In the event that a member of the committee leaves the University or is not available for an examination or thesis defense, the committee and student can recommend a suitable substitute. The appointment to committees of faculty members from other institutions as the outside member is encouraged.

Composition of Committee

A Master's thesis (Plan I) or study (Plan II) committee shall consist of at least three members. These shall include the major professor, one other member from the Division including emeritus faculty, and one member who shall be from outside the Division of Biochemistry. Research faculty may serve on the committee in addition to the core of three committee members who must be tenured or tenure-track faculty. For the purpose of establishing a thesis or study committee, a Biology and Biochemistry faculty member holding a secondary appointment in the Division of Biochemistry shall be considered to be from outside the Division. Further details on committee composition can be found here.

Research Faculty

Research faculty with primary appointments in the Department of Biology and Biochemistry will be allowed to serve on thesis committees and participate in all committee activities. However, they will not be allowed to chair the committee or vote on questions regarding student progress. For purposes of committee structure, their Division affiliation will not be considered. No more than one research faculty member can serve on a thesis or dissertation committee.



Program of Studies

The student should prepare and submit a program of studies to the Graduate Advisor and his/her thesis or study committee within 60 days after choosing an advisor but in no case later than the end of the 2nd long semester of residence. Failure to do so may result in dismissal from the program. The program of studies must be approved at a meeting of the student's thesis or study committee. Details about the composition of the Program of Studies can be found here.

Course Requirements

MS Core Course Requirements

All students must fulfill the MS core course requirements as described below.

M.S. Plan I core requirement

16.0 Credit Hours

BCHS 6226 - Enzyme Catalysis and Kinetics **Credit Hours: 2.0**

BCHS 6227 - Membranes/Signal Transduction **Credit Hours: 2.0**

BCHS 6228 - Advanced Nucleic Acids **Credit Hours: 2.0**

BCHS 6229 - Protein Structure and Function **Credit Hours: 2.0**

BCHS 6230 - Grad Biochem Lab Rotation I **Credit Hours: 2.0**

BCHS 6231 - Grad Biochem Lab Rotation II **Credit Hours: 2.0**

Four additional hours in formal graduate courses offered by the Division of Biochemistry.

M.S. Plan II core requirement

20.0 Credit Hours

BCHS 6226 - Enzyme Catalysis and Kinetics **Credit Hours: 2.0**

BCHS 6227 - Membranes/Signal Transduction **Credit Hours: 2.0**

BCHS 6228 - Advanced Nucleic Acids **Credit Hours: 2.0**

BCHS 6229 - Protein Structure and Function **Credit Hours: 2.0**

BCHS 6230 - Grad Biochem Lab Rotation I **Credit Hours: 2.0**

BCHS 6231 - Grad Biochem Lab Rotation II **Credit Hours: 2.0**

Eight additional hours in formal graduate courses, of which at least four hours must be in courses offered by the Division of Biochemistry

Course limitations for all graduate degrees in Biochemistry

For the purpose of fulfilling the above core course requirements, the following courses are NOT acceptable:

BCHS 6113 - Graduate Biochemistry Seminar **Credit Hours: 1.0**

BCHS 6198 - Special Problems **Credit Hours: 1.0**

BCHS 6X99 - Masters Thesis

BCHS 6X98 - Special Problems

BCHS 8X98 - Doctoral Research

BCHS 8X99 - Doctoral Dissertation



Seminar Requirements

MS students (both Plan I and Plan II) are required to enroll in BCHS 6113 - Graduate Biochemistry Seminar every long semester.

BCHS 6113 - Graduate Biochemistry Seminar **Credit Hours: 1.0**

Thesis Courses

MS Plan I students should avoid enrolling in Master Thesis courses until the semester in which they will graduate. Instead, they should enroll in the appropriate number of Master Research hours needed to meet enrollment requirements.

MS Plan II students may enroll in Special Problems to meet enrollment requirements.

Course Transfers

In general, a maximum of 6 approved credit hours for the MS degree may be transferred from another institution with an acceptable academic ranking. The student must have received a grade of B or better in any course for which transfer credit is requested; the transferred course must not have been taken in the context of an earned degree and should not be older than 5 years by the time of graduation at UH. In addition, a Master's degree with thesis can be used to waive up to 2 credit hours of non-BCHS elective courses.

Transfer credit will typically not be given for the required courses:

BCHS 6226 - Enzyme Catalysis and Kinetics **Credit Hours: 2.0**

BCHS 6227 - Membranes/Signal Transduction **Credit Hours: 2.0**

BCHS 6228 - Advanced Nucleic Acids **Credit Hours: 2.0**

BCHS 6229 - Protein Structure and Function **Credit Hours: 2.0**

Coursework Performance Requirements

Per University regulations, graduate students must maintain a minimum grade point average of 3.00 in all course work attempted for graduate credit to be considered in good standing. Students not in good standing cannot receive a graduate degree, are ineligible for support as a Graduate Assistant (TA or RA), and will be ineligible for the Graduate Tuition Fellowship. Graduate students who receive grades of C+ or lower in 12 or more semester hours of course work attempted for graduate credit are ineligible for any advanced degree at this institution. Semester hours of "U" grades in S/U-graded courses apply toward the above 12 hour total.

Rotation Requirements

(BCHS 6230 and BCHS 6231)

MS Plan I and Plan II students are required to enroll in two laboratory rotation courses during their first year of study.

The first rotation must be with a tenured or tenure track faculty member whose primary appointment is in the Biochemistry Division.

The second rotation can be with any tenured or tenure track faculty member in the Department of Biology and Biochemistry.

The first rotation should begin at the beginning of the student's first long semester in the program.

The second rotation can also be done with tenured or tenure track faculty from other Departments that have a joint appointment in the Biochemistry Division.

The second rotation should be started no later than the first week of the student's 2nd semester in the program and preferably beginning in the eighth week of the first semester.

Rotations with research faculty will not satisfy the rotation course requirement.

Each rotation course is to last seven weeks.



The student will submit a short report describing the purpose and experimental findings at the end of each course. This report and the student's participation will be evaluated by the faculty member with whom the laboratory rotation was conducted. The head of the laboratory where the rotation was done will then forward a grade to the instructor of record who will coordinate the course.

Any exceptions to the rotation policy must be approved by the faculty member who is coordinating the course.

BCHS 6230 - Grad Biochem Lab Rotation I **Credit Hours: 2.0**

BCHS 6231 - Grad Biochem Lab Rotation II **Credit Hours: 2.0**

Courses Taken Outside the Department

Courses that do not promote the student's academic development in Biology & Biochemistry, or do not contribute directly to the current research program of the student, will not count towards the student's course requirements. Students who wish to take courses outside the Department need the approval of their thesis committee and the Associate Chair for Graduate Affairs in order to receive credit in their degree program. Students may not pursue another degree program concurrently with a MS in Biology and Biochemistry.

Students taking approved courses at other institutions need to notify the Graduate Advisor prior to the start of the semester in order for the appropriate paperwork to be processed in time by the Office of the University Registrar and the Office of Graduate and Professional Studies.

Comprehensive Examination

Each student is required to take a comprehensive written examination, which is intended to test mastery of the principles which underlie the biochemical sciences. The examination will be offered within three weeks of the end of the student's second long semester. The examination will be prepared and administered by a member of the Division of Biochemistry core faculty designated by the Biochemistry Policy Leader. A grade of 70% or better will be considered passing. Students that fail the examination will be offered a single second chance. Depending on circumstances this may be a completely new examination or a selection of topics

Initial Research Meeting

Before the end of their second year in the program each student pursuing a **MS Plan I** degree will present their research plan and progress to their committee in detail. Based on the results of this meeting **MS Plan I** students will be advised as to what further progress is required before they can prepare and defend their thesis.

Final Examinations

General Considerations

Each student must submit and defend the thesis or report when it is in final form. Although any member of the University community may attend the final examination, the thesis or study committee has sole responsibility for deciding whether or not the examination is passed. In order for a student to pass the examination, an affirmative vote by the major professor and no more than one negative vote by other committee members must be recorded. If the committee includes a research faculty member he/she can participate in discussion but will not be allowed to vote.

MS Plan I

The candidate must defend a thesis. The examination will emphasize research achievements. In addition, competence in the candidate's field of research will be expected.

MS Plan II

The candidate shall present and defend a formal report to the study committee. The candidate will critically evaluate and summarize a problem of biochemical interest and will be expected to be knowledgeable of contemporary methods and concepts in the biochemical sciences.



Academic Policies

University Academic Policies

Academic Policies: College of Natural Sciences and Mathematics

Biology, MS

The Department of Biology and Biochemistry offers programs of research and study leading to MS degrees in Biology.

For more information, please see <http://www.uh.edu/nsm/biology-biochemistry/graduate>.

Admission Requirements

In addition to the College of Natural Science and Mathematics admission requirements, applicants should have a Baccalaureate Degree (BS) in Biology, Biochemistry, or an equivalent discipline. Evaluation of applicants involves a broad range of criteria including undergraduate preparation, GRE scores (or MCAT scores for the Biomedical Sciences Certificate track), three letters of recommendation, a statement of purpose, and relevant scientific experience.

International students should visit <http://www.uh.edu/graduate-school/admissions/international-students/> for information on additional requirements, including the application fee.

Degree Requirements

Plan Selection

The Master of Science (MS) degree will be awarded after students have successfully completed the requirements specified in one of the two following plans:

Plan I: Thesis Option

Students may satisfy the degree requirements by completing at least 30 approved semester hours; satisfactorily completing the formal graduate level course requirements including seminars; enrolling in at least three semester hours of thesis courses, and completing and defending a thesis acceptable to the thesis committee. All students must be continuously enrolled until the degree requirements are completed.

Plan II: Non-Thesis Option

Students may satisfy the degree requirements by completing at least 30.0 approved Credit Hours; satisfactorily completing the formal graduate level course requirements including seminars. All students must be continuously enrolled until the degree requirements are completed.

Track Selection

There are three degree tracks in the Biology MS program:

Cell and Molecular Biology (CMB) Degree Track



Ecology and Evolution Degree Track
Biomedical Sciences Certificate Track

Cell and Molecular Biology Degree Track

Course Requirements

MS Plan I: 10.0 Credit Hours

BIOL 6230 - Advanced Cell Biology I **Credit Hours: 2.0**
BIOL 6231 - Advanced Cell Biology II **Credit Hours: 2.0**
BIOL 6240 - Molecular Genetics 1 **Credit Hours: 2.0**
BIOL 6241 - Molecular Genetics 2 **Credit Hours: 2.0**
at least one additional formal graduate level course

MS Plan II: 14.0 Credit Hours

BIOL 6230 - Advanced Cell Biology I **Credit Hours: 2.0**
BIOL 6231 - Advanced Cell Biology II **Credit Hours: 2.0**
BIOL 6240 - Molecular Genetics 1 **Credit Hours: 2.0**
BIOL 6241 - Molecular Genetics 2 **Credit Hours: 2.0**
at least three additional formal graduate level courses

Seminar Requirements

At least one seminar course per year (in either fall or spring semester). BIOL 6110 Biology Seminar does not apply to this requirement. MS Plan I and Plan II students may petition the Department for modification of required courses, but a minimum of 10 and 14 hours of formal (letter-graded) graduate lecture courses are required for the MS Plan I and Plan II degrees, respectively.

Course Transfers

Transfer credits for electives are limited to 2.0 approved Credit Hours toward an MS Plan I or II.

A grade of a B or better is required for transfer of course credit.

Transferred courses must be at the graduate level but not have been taken in the context of an earned degree.

Transferred courses must not be older than 5 years by the time of graduation at UH.

Moreover, credits cannot be transferred to replace a core course without the approval of the CMB advising committee and will be limited to one 2-credit module.

Students may appeal this process by submitting course information and a written statement justifying the transfer of specific course credits to the CMB Divisional Leader and the Associate Chair for Graduate Affairs.

Course information should include a syllabus that covers course material and a letter from the course instructor that addresses course content and student performance.

A successful appeal will require a 2/3rds majority vote by the primary CMB faculty.

Scholastic Requirement

Graduate students must maintain a minimum grade point average of 3.0 in all course work to be considered in good standing.

Students not in good standing cannot receive a graduate degree and can be declared ineligible for support with a graduate assistantship (IA, TA or RA).



Graduate students who receive grades of C+ or lower in 12 or more semester hours of course work attempted for graduate credit are ineligible for any advanced degree at this institution.
Semester hours of "U" grades in S/U-graded courses apply toward the above 12-hour total.

Courses Taken Outside the Department

Courses that do not promote the student's academic development in Biology & Biochemistry, or do not contribute directly to the current research program of the student, will not be allowed.
Students who wish to take courses outside the Department need the approval of their thesis or dissertation committee.
Students may not pursue another degree program concurrently with a M.S. in Biology
Students taking approved courses at other institutions need to notify the Graduate Coordinator prior to the start of the semester in order for the appropriate paperwork to be processed in time by the Office of the University Registrar and the Graduate School.

Graduate Student Rotations

The CMB faculty requires that all graduate students enrolled in an MS Plan I program complete at least two rotations in research labs during the first year, and prior to selection of the Major Professor.

Rotation periods are flexible but must last at least six weeks.

At the end of each rotation, students will submit a short report to their rotation advisor, which will include the initial goals, the procedures used and techniques learned, and the results achieved.

A written evaluation of each rotation will be completed by the rotation advisor and submitted to the Division Graduate Committee (DGC).

Rotation reports and evaluations must be submitted to the DGC before the next rotation can begin.

Any exceptions to the rotation policy must be approved by the DGC.

Exemption from a second rotation may be granted by petition to the Associate Chair for Graduate Affairs and will require justification and approval by the student's advisor.

If a student has applied to our Graduate Program with the explicit goal of working with a specific advisor and does not wish to carry out the second rotation, he or she may request an exception, outlining the rationale for declining the second rotation. This request must be accompanied by a letter from the prospective major professor explaining why the decision not to participate in a second research rotation is in the best interest of the student.

MS Plan II students are not required to complete rotations.

First Year Evaluation

At the end of the second semester in residence (not counting summers) all MS Plan I students will undergo a first year evaluation administered by the DGC. A positive evaluation must be received for the student to remain in good standing. The evaluation will consider the student's progress and take into account the following:

- Courses taken and grades.
- Seminar class performance.
- Attendance at departmental seminars.
- Reports from rotation advisors.
- Student's acceptance into a research lab.
- Other information as required by the DGC.

Committee Meetings



All MS Plan I students must form and meet with their thesis committee no later than the third semester following admission (not counting summer sessions). The first committee meeting will focus on their research plan. In addition, all students must convene a meeting of their committee, at which a majority of the members are present, at least once per calendar year to discuss their progress until graduation

Thesis Research, Preparation and Defense

Each student whose objective is the MS Plan I degree is expected to commence graduate research as soon as possible. It should be recognized that research is an integral component of the degree requirements and that failure to maintain an adequate program of research constitutes unsatisfactory progress toward a degree.

The laboratory research thesis submitted by an MS Plan I candidate must give evidence of the ability to conduct an independent and original investigation on a defined research problem. All students (MS Plan I and II) will be expected to be knowledgeable of contemporary methods and concepts in cell and molecular biology.

Each MS Plan I student must submit and defend a thesis when it is in final form. Part of the defense will include the presentation of a seminar open to the public. Following this seminar, a formal defense/examination will take place, which is open to any faculty member of the University community. Despite the open nature of the defense, the thesis committee has sole responsibility in deciding whether or not the examination is passed. In order for a student to pass the examination, an affirmative vote by the major professor and no more than one negative vote by other committee members must be recorded.

Ecology and Evolution Degree Track

Major Professor and Dissertation Committee

During the first year, each student is required to select, by mutual agreement, a tenured or tenure-track member of the faculty of the Division of Ecology and Evolution as a major professor who, with the thesis (MS Plan I) or study (MS Plan II) committee, will supervise the student's graduate studies. The student's choice of faculty advisor must be approved by the graduate committee chair. If a student wishes to work jointly with more than one professor, an understanding as to who is primarily responsible for supervision of the student's graduate studies should be reached.

In consultation with the major professor the student shall select, by mutual agreement, faculty members to serve on their committee. The committee shall be chosen before the end of the second semester of residence. Details on the committee composition are given in the Academic Policies section below.

Course Requirements

8.0 Credit Hours

BIOL 6204 - Advanced Ecology & Evolution I **Credit Hours: 2.00**
BIOL 6205 - Advanced Ecology & Evolution II **Credit Hours: 2.00**
Additional formal graduate level courses

Seminar Requirements

At least one seminar course per year (typically, BIOL 7167 Population Biology Seminar, in either fall or spring semester). BIOL 6110 Biology Seminar does not apply to this requirement.

Course Transfers



Transfer credits for electives are limited to 4 approved credit hours toward an MS degree (Plan I or II).

For transfer of course credit, a grade of B or better is required, the credits must not have been taken towards a prior degree and they must be have been taken within 5 years of the time of graduation at UH.

Students may initiate the transfer process by submitting course information and a written statement justifying the transfer of specific course credits to the E&E Division Policy Leader and the Associate Chair for Graduate Affairs. Course information must include a syllabus that covers course material.

A successful transfer will require unanimous support by the Associate Chair for Graduate Affairs, the E&E Division Policy Leader, the E&E members of the Graduate Committee and the student's thesis/dissertation committee if it has been formed.

First Year Evaluation

During the second long term, all students will undergo a first year evaluation administered by faculty in the division (typically, division members of the Graduate Committee). A positive evaluation must be received for the student to remain in good standing. The evaluation will consider the student's progress and take into account the following:

- Courses taken and grades.
- Seminar class performance.
- Attendance at departmental seminars.
- Research progress.
- Report from research advisor(s).

Committee Meetings

All MS Plan I students must form and meet with their thesis committee no later than the third semester following admission (not counting summer sessions).

The first meeting will focus on the student's initial research progress and plans for future research.

After the first meeting, all students will meet with their committees (from which no more than one committee member may be absent), at least once per calendar year to discuss their progress towards completion of the degree.

At any time the committee may decide that additional meetings should take place.

At least one week before every committee meeting, the student will distribute a 2-3 page progress report to each committee member.

After the first meeting, the student will bring a copy of the Committee Status Report from the previous meeting.

At the end of each meeting, the chair of the committee will summarize the meeting and make recommendations to the student using a Committee Status Report form.

If a committee member is absent from a meeting, the student will meet him/her within two weeks of the meeting.

Final Examinations

Each student must submit and defend a thesis/report when it is in final form.

MS Plan I candidates must defend a thesis.

The examination will emphasize research achievements.

In addition, competence in the candidate's field of research will be expected.

MS Plan II candidates shall present and defend a formal report to a study committee composed of the advisor and at least one other tenured or tenure-track faculty member.

The candidate will critically evaluate and summarize a problem of interest and will be expected to be knowledgeable of general concepts in the fields of ecology and evolution.

Biomedical Sciences Certificate Track



Course Requirements

This track has only a non-thesis option. All students seeking the graduate certificate in Biomedical Sciences must be pursuing concurrently a non-thesis MS in Biology, under the Biomedical Sciences Certificate track. All MS students in this track are required to successfully complete the following courses for a total of 30 credit hours.

Core Courses

12.0 Credit Hours

BIOL 6351 - Integrative Anatomy & Physiology **Credit Hours: 3.0**

BIOL 6352 - Molecular Mechanisms of Disease **Credit Hours: 3.0**

BIOL 6355 - Introduction to Health Systems **Credit Hours: 3.0**

BIOL 6356 - Medical Ethics **Credit Hours: 3.00**

Practicum

6.0 Credit Hours

BIOL 6350 - Biomedical Sciences Practicum **Credit Hours: 3.0**

Note: students enroll in this class in two separate semesters.

Electives

12.0 Credit Hours

Students must take 12.0 credit hours of elective graduate lecture courses from a list of approved courses selected by the co-directors of the program at the beginning of each term. Special Problems or other types of research hours may not be used towards this requirement.

Practicum

The practicum is carried out across two long semesters for a total of 6 credit hours (3 credit hours in each semester). Students will have the choice of selecting either 6 credit hours of internship, or 6 credit hours of laboratory research, or 3 credit hours of each.

The internship is selected from an approved list of options. Laboratory research projects are performed under the guidance of a faculty member in the Department of Biology and Biochemistry. Students performing a practicum are expected to devote 9-10 hours per week to the practicum. Fewer than 8 hours per week will not be permitted. Satisfactory completion of the practicum will require a report from the faculty or supervisor overseeing the student's practicum. Students enrolled in the practicum course in the Fall and Spring terms will have to meet with the practicum instructor of record once a week at the time assigned to the practicum course.

Other Requirements

Students will be required to meet with the co-directors of the certificate in Biomedical Sciences program prior to the beginning of the first two terms of the program to establish a course plan for the coming terms and review progress towards the completion of the degree.

Transfers



Students will not be permitted to transfer courses towards the 18 hours of certificate (core courses and practicum). They may be allowed to transfer no more than 6 hours of courses towards the electives, only if the courses were taken at the graduate level and not in the context of an earned degree, as per University policies. All transfer requests will need approval by the co-directors of the certificate program.

Academic Policies

University Academic Policies

Academic Policies: College of Natural Sciences and Mathematics

Program Academic Policies

Whether they follow the Cell and Molecular Biology degree track or the Ecology and Evolution degree track, students in the Biology MS plan I program must specify a thesis committee and have the names on file in the Office of the Dean at least one semester before their graduation. The committee must consist of at least three members, to include two faculty members who have their primary appointment in the Department of Biology and Biochemistry and one approved member external to the department.

Further details on committee composition can be found [here](#). Additionally, specific requirements for each degree track apply as follows.

Cell and Molecular Biology Degree Track

At least half of the committee members must have their primary appointment in the Cell and Molecular Biology Division.

Research faculty may serve on the committee in addition to the core of three committee members who are tenured or tenure-track faculty

Ecology and Evolution Degree Track

The committee must consist of at least four members.

These shall include the student's major professor(s) and three other members.

At least three of the committee members (advising or non-advising) must be tenured or tenure-track faculty members with a primary appointment in the Department of Biology and Biochemistry.

The three non-advising members must include one member with a primary appointment in the Ecology and Evolution Division of the Department of Biology and Biochemistry and one member from outside the Department of Biology and Biochemistry.

At least two of the committee members (advising or non-advising) must have their primary appointment in the Ecology and Evolution Division.

Committee decisions can only involve one dissenting vote from a committee member.

Doctoral

Biochemistry, PhD

The Department of Biology and Biochemistry offers a program of research and study leading to a PhD degree in Biochemistry.

For more information, please view the [Graduate Programs Overview](#) page.

Admission Requirements



In addition to the College of Natural Science and Mathematics Admission Requirements, applicants should have a Baccalaureate Degree (B.S.) in Biology, Biochemistry, or an equivalent discipline. Evaluation of applicants involves a broad range of criteria including undergraduate preparation, three letters of recommendation, a statement of purpose, and relevant scientific experience. GRE scores are optional. International students should visit <http://www.uh.edu/graduate-school/admissions/international-students/> for information on additional requirements.

Degree Requirements

Minimum credit hours required for the degree: 54.0

The Doctor of Philosophy (PhD) degree will be awarded after students have successfully completed the following requirements. Students may satisfy the degree requirements by completing at least 54 approved credit hours; satisfactorily completing the laboratory rotations and formal graduate level course requirements including seminars; completing 3-12 credit hours of dissertation courses; and completing and defending a dissertation acceptable to the dissertation committee. All students must be continuously enrolled full time until the degree requirements are complete.

Major Professor and Thesis, Study, or Dissertation Committee

Selection of Major Professor

Each student is required to select, by mutual agreement, a primary, secondary or jointly appointed member of the faculty of the Division of Biochemistry as a dissertation advisor (major professor) who, with the dissertation (PhD) committee, will supervise the student's graduate studies. This faculty member will chair the committee. A faculty advisor should be selected by the end of the first long semester (Fall or Spring) but in no case later than the end of the 2nd long semester of residence in the program. The Chair of the student's committee shall be a tenured or tenure-track faculty member with primary or secondary appointment or voting privileges in the Biochemistry Division of the Department of Biology and Biochemistry. A student may also choose a faculty member from the Department of Biology and Biochemistry who does not hold any appointment in the Division of Biochemistry provided that, as with any Biochemistry candidate, the student meets all the requirements of the Biochemistry graduate program, including those on committee composition, course work and the biochemistry comprehensive and oral qualifying examinations.

Selection of Committee

In consultation with the major professor, the student shall select, by mutual agreement, faculty members to serve on the thesis, study, or dissertation committee. The committee should be chosen within the 30 day period following selection of the advisor, but in no case after the end of the 2nd long semester of residence. Failure to meet this requirement may result in dismissal from the program. The membership of this committee is subject to approval by the Associate Chair for Graduate Affairs, the Chair of the Department and Dean of the College. The major functions of this committee are to approve a program of studies for the student, to administer the necessary oral qualifying examinations and final examinations, and to evaluate the student's progress. In the event that a member of the committee leaves the University or is not available for an examination or thesis/dissertation defense, the committee and student can recommend a suitable substitute. The appointment to committees of faculty members from other institutions as the outside member is encouraged.

Composition of Committee

A doctoral dissertation committee shall consist of at least four members. These shall include the major professor, one other member of the Division including emeritus faculty, one member who may belong to any Division within the Department, and one member who shall be from outside the Department of Biology & Biochemistry. At least one-half of the committee must be composed of tenured or tenure-track faculty members with primary appointments in the Division of Biochemistry. Research faculty may serve on the committee in addition to the core of four committee members who must be tenured or tenure-track faculty. For the purpose of establishing a thesis, study, or dissertation committee, a Biology and Biochemistry faculty member holding a secondary appointment in the Division of Biochemistry shall be considered to be from outside the Division. Further details on committee composition can be found here.

Research Faculty

Research faculty with primary appointments in the Department of Biology and Biochemistry will be allowed to serve on thesis and



dissertation committees and participate in all committee activities. However, they will not be allowed to chair the committee or vote on questions regarding student progress. For purposes of committee structure, their Division affiliation will not be considered. No more than one research faculty member can serve on a thesis or dissertation committee.

Program of Studies

The student should prepare and submit a program of studies to the Graduate Advisor and his/her dissertation committee within 60 days after choosing an advisor but in no case later than the end of the 2nd long semester of residence. Failure to do so may result in dismissal from the program. The program of studies must be approved at a meeting of the student's dissertation committee. Details about the composition of the Program of Studies can be found here.

Course Requirements

Specific Course Requirements

All students must fulfill the PhD core course requirements (20 hours) as described below.

Graduate Biochemistry Series

- BCHS 6226 - Enzyme Catalysis and Kinetics **Credit Hours: 2.0**
- BCHS 6227 - Membranes/Signal Transduction **Credit Hours: 2.0**
- BCHS 6228 - Advanced Nucleic Acids **Credit Hours: 2.0**
- BCHS 6229 - Protein Structure and Function **Credit Hours: 2.0**

Graduate Biochemistry Lab Rotation

- BCHS 6230 - Grad Biochem Lab Rotation I **Credit Hours: 2.0**
- BCHS 6231 - Grad Biochem Lab Rotation II **Credit Hours: 2.0**

Additional Hours

Eight additional hours in formal graduate courses, of which at least four hours must be in courses offered by the Division of Biochemistry.

Course Limitations for All Graduate Degrees in Biochemistry

For the purpose of fulfilling the above core course requirements, the following courses are not acceptable:

- BCHS 6113 - Graduate Biochemistry Seminar
- BCHS 6125 - Seminar in Nucleic Acids
- BCHS 6X98 - Special Problems
- BCHS 6X99 - Masters Thesis
- BCHS 8X98 - Doctoral Research
- BCHS 8X99 - Doctoral Dissertation

Seminar Requirements

Graduate students are required to enroll in BCHS 6113 - Graduate Biochemistry Seminar every long semester until they pass the oral qualifying examination. Thereafter, they are required to enroll in a seminar course at least once per academic year beginning with the long semester after the oral qualifying examination is passed. Any one credit hour seminar course offered by the Department of Biology and Biochemistry (except BIOL 6110 Biology Seminar), subject to approval by the student's Major Advisor, will meet this requirement.

Doctoral Dissertation Courses



All students should avoid enrolling in Doctoral Dissertation courses until the semester in which they will graduate. Instead they should enroll in the appropriate number of Doctoral Research hours needed to meet enrollment requirements.

Course Transfers

In general, a maximum of eight approved credit hours for the PhD degree may be transferred from another institution with an acceptable academic ranking. The student must have received a grade of B or better in any course for which transfer credit is requested; the transferred course must not have been taken in the context of an earned degree and should not be older than 10 years by the time of graduation at UH. In addition, a Master's degree with thesis can be used to waive up to 2 credit hours of non-BCHS elective courses. Transfer credit will typically not be given for the required courses; BCHS 6226, 6227, 6228 and 6229.

Coursework Performance Requirements

Per University regulations, graduate students must maintain a minimum grade point average of 3.00 in all course work attempted for graduate credit to be considered in good standing. Students not in good standing cannot receive a graduate degree, are ineligible for support with a graduate assistantship (TA, RA/TE or RA), and will be ineligible for the Graduate Tuition Fellowship. Graduate students who receive grades of C+ or lower in 12 or more semester hours of course work attempted for graduate credit are ineligible for any advanced degree at this institution. Semester hours of "U" grades in S/U-graded courses apply toward the above 12 hour total.

Rotation Requirements

Graduate students are required to enroll in two laboratory rotation courses during their first year of study.

The first rotation must be with a tenured or tenure track faculty member whose primary appointment is in the Biochemistry Division.

The first rotation should begin at the beginning of the student's first long semester in the program.

The second rotation can be with any tenured or tenure track faculty member in the Department of Biology and Biochemistry. The second rotation can also be done with tenured or tenure track faculty from other Departments that have a joint appointment in the Biochemistry Division.

The second rotation should be started no later than the first week of the student's 2nd semester in the program and preferably beginning in the eighth week of the first semester.

Rotations with research faculty will not satisfy the rotation course requirement.

Each rotation course is to last seven weeks.

The student will submit a short report describing the purpose and experimental findings at the end of each course. This report and the student's participation will be evaluated by the faculty member with whom the laboratory rotation was conducted. The head of the laboratory where the rotation was done will then forward a grade to the instructor of record who will coordinate the course.

Any exceptions to the rotation policy must be approved by the faculty member who is coordinating the course.

BCHS 6230 - Grad Biochem Lab Rotation I **Credit Hours: 2.0**

BCHS 6231 - Grad Biochem Lab Rotation II **Credit Hours: 2.0**

Courses Taken Outside the Department

Courses that do not promote the student's academic development in Biology & Biochemistry, or do not contribute directly to the current research program of the student, will not count towards the student's course requirements. Students who wish to take courses outside the Department need the approval of their thesis or dissertation committee and the Associate Chair for Graduate Affairs in order to receive credit in their degree program. Students may not pursue another degree program concurrently with a PhD in Biology and Biochemistry. Students taking approved courses at other institutions need to notify the Graduate Advisor prior to the start of the semester in order for the appropriate paperwork to be processed in time by the Registrar's office and the Graduate School.



Comprehensive Examination

Each student is required to take a comprehensive written examination, which is intended to test mastery of the principles which underlie the biochemical sciences. The examination will be offered within three weeks of the end of the student's second long semester. The examination will be prepared and administered by a member of the Division of Biochemistry core faculty designated by the Biochemistry Policy Leader. A grade of 70% or better will be considered passing. Students that fail the examination will be offered a single second chance. Depending on circumstances this may be a completely new examination or a selection of topics. A PhD degree student who has completed all other requirements (rotations, selection of committee, program of studies) and has passed this examination will be considered to have advanced to candidacy.

Initial Research Meeting

Before the end of their second year in the program each student pursuing a PhD degree will present their research plan and progress to their committee in detail. Based on the results of this meeting, students pursuing the PhD will be either approved to prepare their research proposal for the oral qualifying examination or required to hold a second research meeting within six months for reconsideration.

Evaluation of Progress Prior to Advancement to Candidacy

At the end of each long semester, the progress of all students enrolled in the Biochemistry graduate programs that have not yet advanced to candidacy will be evaluated. A positive evaluation must be received for a student to remain in good standing. Students that are not in good standing may lose eligibility for tuition fellowships, fee waivers, and/or teaching assistantships. In addition, they will face possible dismissal from the program.

The evaluation will consider the student's progress based upon:

- Courses taken and grades;
- Performance as a TA (when information is provided by teaching faculty);
- Grades from rotation advisors and reports if any;
- The student's acceptance into a research laboratory (major professor chosen);
- The formation of a thesis, study, or dissertation committee as consistent with the student's program;
- Passing score on the comprehensive examination;
- Results of Initial Research Meeting with their committee;
- The timeliness of completion of the various requirements;
- Other information as may be required.

The evaluation committee will consist of the Division of Biochemistry Policy Leader and the Biochemistry Division's members of the Graduate Committee. At the committee's discretion, students whose performance is in question may be asked to meet with the committee in person. Students that are found to not be in good standing will be reported to the Associate Chair for Graduate Affairs and the Departmental Chair for possible punitive action.

Advancement to Candidacy: Oral Qualifying Examination

General Considerations

The Division of Biochemistry shall consider a student to be a candidate for the PhD degree after successful completion of oral qualifying examination. In order to be eligible to take the oral examination the student must have completed all prior requirements. This includes selection of a committee, completion of a program of studies, completion of all required courses, passing of the written comprehensive examination and favorable recommendation from their most recent research meeting with their committee.



Oral Qualifying Examination

Each PhD student in the program must take the oral qualifying examination prior to the end of their second full year in residency. Failure to do so will result in automatic dismissal from the PhD program. The qualifying examination shall be administered by the student's dissertation committee. The examination shall consist of a written research proposal followed by an oral examination. Prior to scheduling of the oral examination, the student will prepare a written proposal directly related to the research they are conducting. This proposal will be circulated in hard and electronic copy to each committee member at least one month before the planned meeting. Based on response from the committee members the advisor will determine if the proposal is ready for oral presentation or requires revision prior to scheduling of the oral examination.

During the oral examination, students will be asked to present and defend their proposal as well as to demonstrate a broad-based understanding of their field. If a student does not pass the examination he/she may, at the discretion of the dissertation committee, be allowed to retake the examination before the end of their 5th long semester. Advancement to candidacy for the PhD shall not occur until a student has written a research proposal and successfully defended it before his/her dissertation committee. Details of the proposal format and expectations are provided here.

Examination Evaluation

In order for a student to pass the examination, an affirmative vote by the major professor and no more than one negative vote by the other committee members must be recorded.

Reexamination

If the student fails either part of the examination (fails to submit a satisfactory written proposal or fails the oral examination), his/her dissertation committee shall recommend a future course of action. This may include: remedial course work, repetition of the examination or termination of the student from the PhD degree program. Such recommendation shall be given verbally, normally by the major professor, immediately after the examination and followed by a written notification within one week. Any recommended action must be completed before the end of the student's 5th semester in the program. Failure to do this shall result in mandatory dismissal from the PhD program.

Additional Committee Meetings

Following successful completion of the qualifying examination, all students should meet periodically with their Dissertation Committee to discuss research progress.

Final Examinations

Each doctoral student must submit and defend the dissertation when it is in final form. Although any member of the University community may attend the final examination, the dissertation committee has sole responsibility in deciding whether or not the examination is passed. In order for a student to pass the examination, an affirmative vote by the major professor and no more than one negative vote by other committee members must be recorded. If the committee includes a research faculty member he/she can participate in the discussion but will not be allowed to vote. The examination will emphasize research achievements. In addition, competence in the candidate's field of research and the biochemical sciences, in general, will be expected.

Academic Policies

University of Houston Academic Policies
College Academic Policies

Biology, PhD

The Department of Biology and Biochemistry offers programs of research and study leading to a PhD degree in Biology.



For more information, please see <http://www.uh.edu/nsm/biology-biochemistry/graduate>.

Admission Requirements

In addition to the College of Natural Science and Mathematics Admission Requirements, applicants should have a Baccalaureate Degree (B.S.) in Biology, Biochemistry, or an equivalent discipline. Evaluation of applicants involves a broad range of criteria including undergraduate preparation, three letters of recommendation, a statement of purpose, and relevant scientific experience. GRE scores are optional. International students should visit <http://www.uh.edu/graduate-school/admissions/international-students/> for information on additional requirements.

Degree Requirements

Minimum credit hours required for this degree: 54.0

There are two degree tracks in the Biology PhD program, Cell and Molecular Biology (CMB) Degree Track and Ecology and Evolution Degree Track.

Cell and Molecular Biology (CBM) Degree Track

The Doctor of Philosophy (PhD) degree will be awarded after students have successfully completed the following requirements. Students may satisfy the degree requirements by completing at least 54 approved credit hours; satisfactorily completing the laboratory rotations and formal graduate-level course requirements including seminars; completing 3-12 credit hours of doctoral dissertation courses; and completing and defending a dissertation acceptable to the dissertation committee. All students must be continuously enrolled until the degree requirements are completed.

Course Requirements

14.0 Credit Hours

BIOL 6240 - Molecular Genetics 1 **Credit Hours: 2.0**

BIOL 6241 - Molecular Genetics 2 **Credit Hours: 2.0**

BIOL 6230 - Advanced Cell Biology I **Credit Hours: 2.0**

BIOL 6231 - Advanced Cell Biology II **Credit Hours: 2.0**

At least three additional formal graduate level courses.

Seminar Requirements

At least one seminar course per year (in either fall or spring semester). BIOL 6110 Biology Seminar does not apply to this requirement. PhD students may petition the Department for modification of required courses.

Course Transfers

Transfer credits for electives are limited to 4 approved credits towards a PhD. A grade of B or better is required for transfer of course credit. Transferred courses must be at the graduate level but not have been taken in the context of an earned degree. They must not be older than 10 years by the time of graduation at UH. Moreover, credits cannot be transferred to replace a core course without the approval of the CMB advising committee and will be limited to one 2-credit module. Students may appeal this process by submitting course information and a written statement justifying the transfer of specific course credits to the CMB Divisional Leader and the Associate Chair for Graduate Affairs.



Course information should include a syllabus that covers course material, and a letter from the course instructor that addresses course content and student performance. A successful appeal will require a 2/3^{rds} majority vote by the primary CMB faculty.

Scholastic Requirement

Graduate students must maintain a minimum grade point average of 3.0 in all course work to be considered in good standing. Students not in good standing cannot receive a graduate degree and can be declared ineligible for support with a graduate assistantship (IA, TA, RA/TE or RA). Graduate students who receive grades of C+ or lower in 12 or more credit hours of course work attempted for graduate credit are ineligible for any advanced degree at this institution. Credit hours of "U" grades in S/U-graded courses apply toward the above 12-hour total.

Courses Taken Outside the Department

Courses that do not promote the student's academic development in Biology & Biochemistry, or do not contribute directly to the current research program of the student, will not be allowed.

Students who wish to take courses outside the Department need the approval of their thesis or dissertation committee.

Students may not pursue another degree program concurrently with a PhD in Biology.

Students taking approved courses at other institutions need to notify the Graduate coordinator prior to the start of the term in order for the appropriate paperwork to be processed in time by the Registrar's Office and the Graduate School.

Graduate Student Rotations

The CMB faculty requires that all graduate students enrolled in a PhD program complete at least two rotations in research labs during the first year, and prior to selection of the major professor. Rotation periods are flexible, but must last at least six weeks. At the end of each rotation, students will submit a short report to their rotation advisor, which will include the initial goals, the procedures used and techniques learned, and the results achieved. A written evaluation of each rotation will be completed by the rotation advisor and submitted to the Division Graduate Committee (DGC). Rotation reports and evaluations must be submitted to the DGC before the next rotation can begin. Any exceptions to the rotation policy must be approved by the DGC. Exemption from a second rotation may be granted by petition to the Associate Chair for Graduate Affairs, and will require justification and approval by the student's advisor. If a student has applied to our Graduate Program with the explicit goal of working with a specific advisor and does not wish to carry out a second rotation, he or she may request an exception, outlining the rationale for declining the second rotation. This request must be accompanied by a letter from the prospective major professor explaining why the decision not to participate in a second research rotation is in the best interest of the student.

First Year Evaluation

At the end of the second term in residence (not counting summers) all students will undergo a first year evaluation administered by the DGC. A positive evaluation must be received for the student to remain in good standing. The evaluation will consider the student's progress and take into account the following:

Courses taken and grades.

Seminar class performance.

Attendance at departmental seminars.

Reports from rotation advisors.

Student's acceptance into a research lab.

Other information as required by the DGC.

Committee Meetings



All students must form and meet with their thesis/dissertation committee no later than the third term following admission (not counting summer sessions). For PhD students, the first meeting will focus on the qualifying exam topic. After passing their qualifying exam, PhD students must meet with their committee during their 5th term (not counting summer sessions) to discuss their research plan. In addition, all students must convene a meeting of their committee, at which a majority of the members are present, at least once per calendar year to discuss their progress until graduation.

PhD Qualifying Examination

The Cell and Molecular Biology Division requires graduate students to pass a qualifying exam in their second year. This exam serves to develop and reinforce the skills required for developing experimental programs to test hypotheses and to communicate scientific ideas in a concise manner. Students unable to successfully demonstrate these skills will fail the examination and will not remain as doctoral candidates in the program. The exam has three components: 1) a written thesis proposal, 2) an exam to test general foundational knowledge that is necessary for a successful career in cell and molecular biology research, and 3) an oral defense of the written proposal. The dissertation committee will evaluate the student's performance. At any point during these three exam components, the committee may decide that the student has an unconditional pass and can move on to the next component; a conditional pass in which the student needs to go back and make improvements before moving on or that the student needs to take extra coursework; or in rare situations, the student has failed without recourse. Details and due dates of the qualifying exam can be found here. Students who do not complete all three qualifying exam components by the end of their second year shall receive an unsatisfactory grade for their research hours for that second term of their second year. The student will continue to receive an unsatisfactory grade for research hours for every following term until they complete the exam or change degree plans to a Masters in Science. A student who accumulates a total of 12 credits of unsatisfactory grades in courses and research hours will be automatically dismissed from the University. Students who are given the option to retake the qualifying exam, but are unable to reschedule or retake in the second term of their second year will be given a grade of incomplete for their research hours. The grade will be changed to an "S" or "U" depending on whether the student retakes or does not retake the exam in the following academic session (summer or spring term). Every effort should be made for the student to retake the exam by the end of their second year in the program. If prolonged absence of a committee member would make it impossible for a student to meet this requirement, that committee member will be replaced.

Preparation of the Dissertation

Each student whose objective is the PhD degree is expected to commence graduate research as soon as possible. It should be recognized that research is an integral component of the degree requirements and that failure to maintain an adequate program of research constitutes unsatisfactory progress toward a degree.

Permission to write and defend the dissertation

PhD students will need to obtain formal permission to write and defend their dissertation from their dissertation committee. The "Dissertation Committee Permission Form" will need to be signed by all committee members and turned in to the Graduate Coordinator no later than the end of the term prior to the anticipated term of the defense. It is recommended, but not mandatory, that the student have a committee meeting at that time in order for the committee to be aware of the student progress and make final recommendations before the defense. It is expected that the student make progress towards graduation within a year of filing the form.

Submission and Defense of the Dissertation

Each student must submit and defend the dissertation when it is in final form. Part of the defense will include the presentation of a seminar open to the public. Following this seminar, a formal defense/examination will take place, which is open to any faculty member of the University community. Despite the open nature of the defense, the thesis or dissertation committee has sole responsibility in deciding whether or not the examination is passed. In order for a student to pass the examination, an affirmative vote by the major professor and no more than one negative vote by other committee members must be recorded.

Ecology and Evolution Degree Track



The Doctor of Philosophy (PhD) degree will be awarded after students have successfully completed the following requirements. Students may satisfy the degree requirements by completing at least 54 approved credit hours; satisfactorily completing the formal graduate-level course requirements including seminars; completing 3-12 hours of doctoral dissertation courses; and completing and defending a dissertation acceptable to the dissertation committee. All students must be continuously enrolled full time until the degree requirements are completed.

Major Professor and Dissertation Committee

During the first year, each student is required to select, by mutual agreement, a tenured or tenure-track member of the faculty of the Division of Ecology and Evolution as a major professor who, with the dissertation (PhD) committee, will supervise the student's graduate studies. The student's choice of faculty advisor must be approved by the graduate committee chair. If a student wishes to work jointly with more than one professor, an understanding as to who is primarily responsible for supervision of the student's graduate studies should be reached.

In consultation with the major professor the student shall select, by mutual agreement, faculty members to serve on their committee. The committee shall be chosen before the end of the second term of residence. Details on the committee composition are given in the section "Academic Policies" below.

Course Requirements

12.0 Credit Hours

BIOL 6204 - Advanced Ecology & Evolution I **Credit Hours: 2.00**

BIOL 6205 - Advanced Ecology & Evolution II **Credit Hours: 2.00**

One of the following:

BIOL 6310 - Biostatistics **Credit Hours: 3**

BIOL 6410 - Applied Biostatistics **Credit Hours: 4**

Additional formal graduate level courses

Seminar Requirements

At least one seminar course per year (typically, BIOL 7167 Population Biology Seminar, in either fall or spring semester). BIOL 6110 Biology Seminar does not apply to this requirement.

Course Transfers

Transfer credits for electives are limited to 6 approved credit hours toward a Ph.D. degree.

For transfer of course credit, a grade of B or better is required, the credits must not have been taken towards a prior degree and they must have been taken within 10 years of the time of graduation at UH.

Students may initiate the transfer process by submitting course information and a written statement justifying the transfer of specific course credits to the E&E Division Policy Leader and the Associate Chair for Graduate Affairs. Course information must include a syllabus that covers course material.

A successful transfer will require unanimous support by the Associate Chair for Graduate Affairs, the E&E Division Policy Leader, the E&E members of the Graduate Committee and the student's thesis/dissertation committee if it has been formed.

First Year Evaluation



During the second long term all students will undergo a first year evaluation administered by faculty in the division (typically, division members of the Graduate Committee). A positive evaluation must be received for the student to remain in good standing. The evaluation will consider the student's progress and take into account the following:

- Courses taken and grades
- Seminar class performance
- Attendance at departmental seminars
- Research progress
- Report from research advisor(s)

Advancement to PhD Candidacy

A student advances to candidacy for a PhD degree after completion of a qualifying exam. The qualifying exam will be administered by the student's dissertation committee, and will consist of three parts: (1) a written exam, (2) a dissertation proposal, and (3) an oral exam. Details and due dates of the qualifying exam can be found [here](#).

The qualifying exam must be completed by the end of the fourth term following admission (not counting summer sessions). In exceptional circumstances, a student may petition to take the proposal and/or oral parts of the qualifying exam in the fifth term. A successful petition will require unanimous support by the student's dissertation committee and the Associate Chair for Graduate Affairs.

If the student fails any part of the qualifying exam, the dissertation committee will prescribe a course of action. This may include (a) remedial courses; (b) repetition of the exam; or (c) termination of the student from the PhD program. In the case of the oral exam, such a prescription shall be given verbally immediately after the examination and followed by a written notification within one week. Any retakes must be completed by the end of the subsequent long term. Each exam may be taken no more than twice. Failure after the second try will result in either award of a terminal MS degree or dismissal from the graduate program.

A student who fails to attempt the qualifying exam within the fourth term will receive a grade of "U" (unsatisfactory) in 2 credit hours or research. A student who is allowed to take the proposal and/or oral parts of the qualifying exam in the fifth term, but fails to complete the qualifying exam within the fifth term, will receive a grade of "U" in 2 credit hours or research. Any further delay will result in additional "U" grades in 6 research credit hours per long term (or 3 credit hours in the summer). Once a student who has not yet taken his/her qualifying exam has accumulated 12 hours of "U" grades, he/she will be automatically dismissed from the University.

Students who fail to pass part of the qualifying exam in one term and were given the recommendation to retake the exam but were unable to reschedule within the same term will receive a grade of "I" (incomplete) for 2 credit hours or research. The grade will be changed to an "S" or "U" depending on whether the student retakes or does not retake the exam in the following term (not counting summer sessions). Note that the "S" or "U" grades reflect only whether or not the student has taken the exam in the given term. Failure to pass the qualifying exam will not result in a "U" in these research hours.

Committee Meetings

All students must form and meet with their thesis/dissertation committee no later than the third term following admission (not counting summer sessions). The first meeting will focus on the student's initial research progress and plans for future research. For PhD students, the first meeting will also include some discussion of which committee members will conduct the written part of the qualifying exam, and the topics that will be covered. For PhD students, the second committee meeting will typically be the oral exam. After the first meeting, all students will meet with their committees (from which no more than one committee member may be absent), at least once per calendar year to discuss their progress towards completion of the degree. At any time the committee may decide that additional meetings should take place. At least one week before every committee meeting, the student will distribute a 2-3 page progress report to each committee member (see exception for qualifying oral exam in section D). After the first meeting, the student will bring a copy of the Committee Status Report from the previous meeting. At the end of each meeting, the chair of the committee will summarize the meeting and make recommendations to the student using a Committee Status Report form. If a committee member is absent from a meeting, the student will meet him/her within two weeks of the meeting.



Final Examinations

PhD students will need to obtain formal permission to write and defend their dissertation from their dissertation committee. The Dissertation Committee Permission Form will need to be signed by all committee members and turned in to the Graduate Coordinator no later than the end of the term **prior** to the anticipated term of the defense. It is recommended, but not mandatory, that the student have a committee meeting at that time in order for the committee to be aware of the student progress and make final recommendations before the defense. It is expected that the student make progress towards graduation within a year of filing the form.

Each PhD candidate must submit and defend the dissertation when it is in final form. Although any member of the University community may attend the final examination, the committee has sole responsibility in deciding whether or not the examination is passed. In order for a student to pass the examination, an affirmative vote by the major professor and no more than one negative vote by other committee members must be recorded. The examination will emphasize research achievements. In addition, competence in the candidate's field of research and in the field of ecology and evolution in general will be expected. If the candidate fails to successfully defend his/her dissertation the committee may, 1) outline additional work to be completed and reassessed by the committee or, 2) recommend award of a terminal MS degree. PhD candidates shall have at least one manuscript based on their dissertation submitted for publication before their defense.

Academic Policies

Whether they follow the Cell and Molecular Biology degree track or the Ecology and Evolution degree track, students in the Biology PhD program must specify a dissertation committee and have the names on file in the Office of the Dean at least one term before their graduation. The committee must consist of at least four members, to include three faculty members who have their primary appointment within the department of Biology and Biochemistry and one approved member external to the department. Further details on committee composition can be found here. Additionally, specific requirements for each degree track apply as follows.

Cell and Molecular Biology Degree Track

At least two of the committee members must have their primary appointment in the Cell and Molecular Biology Division of the Department of Biology and Biochemistry. Research faculty may serve on the committee in addition to the core of four committee members who are tenured or tenure-track faculty.

Ecology and Evolution Degree Track

At least three of the committee members (advising or non-advising) must be tenured or tenure-track faculty members with a primary appointment in the Department of Biology and Biochemistry. The three non-advising members must include one member with a primary appointment in the Ecology and Evolution Division of the Department of Biology and Biochemistry and one member from outside the Department of Biology and Biochemistry. At least two of the committee members (advising or non-advising) must have their primary appointment in the Ecology and Evolution Division. Committee decisions can only involve one dissenting vote from a committee member.

University of Houston Academic Policies

College Academic Policies

Graduate Certificate

Biomedical Sciences, Certificate

The Biomedical Sciences certificate is offered to students who seek post-baccalaureate academic preparation to develop a stronger foundation for future studies in biomedical or allied health professional programs. The program integrates components of professional development and humanistic approaches to health with fundamental biomedical science, trains students to apply their knowledge of biology,



biochemistry, and genetics to specific diseases, and offers a practicum in research or clinical settings. The students can only pursue the certificate together with a non-thesis MS degree in Biology. Students graduating with an MS degree with the Biomedical Sciences certificate are typically bound to medical or dental schools, or other health-related careers.

Admission Requirements

To apply to the Certificate in Biomedical Sciences, applicants must apply to an MS in Biology under the Biomedical Sciences Certificate track.

Applicants must have completed a bachelor's degree in Biology or Biochemistry, or related field, with a minimum cumulative grade point average (GPA) of 3.00 (out of 4.00) in the last 60 hours of all course work. Applicants with a cumulative GPA between 2.6 and 3.0 in the last 60 hours of course work may be admitted conditionally.

Applicants must have taken prerequisite courses in Biochemistry and Genetics, equivalent to the courses offered at UH as BCHS 3304 (Biochemistry) and BIOL 3301 (Genetics).

Applicants must provide officially reported GRE or MCAT scores.

An application fee is required for international applications.

TOEFL or IELTS scores must be provided by applicants who did not earn a prior degree from a US institution or a country where English is the medium of instruction (see list in the General Admission Policy).

Official transcripts and 3 letters of recommendation are required.

Applicants should provide a personal statement outlining future goals and expectations from the program.

Degree Requirements

Credit hours required for this certificate: 18.0

Core Courses

12.0 Credit Hours

BIOL 6351 - Integrative Anatomy & Physiology **Credit Hours: 3.0**

BIOL 6352 - Molecular Mechanisms of Disease **Credit Hours: 3.0**

BIOL 6355 - Introduction to Health Systems **Credit Hours: 3.0**

BIOL 6356 - Medical Ethics **Credit Hours: 3.00**

Practicum

6.0 Credit Hours

BIOL 6350 - Biomedical Sciences Practicum **Credit Hours: 3.0**

The practicum is carried out across two academic terms for a total of 6 credit hours (3 credit hours over 2 terms, one of which must include the summer term). Students will have the choice of selecting either 6 credit hours of internship, or 6 credit hours of laboratory research, or 3 credit hours of each.

The internship is selected from an approved list of options. Laboratory research projects are performed under the guidance of a faculty member in the Department of Biology and Biochemistry. Students performing a practicum are expected to devote 9 to 10 hours per week to the practicum. Fewer than 8 hours per week will not be permitted. Satisfactory completion of the practicum will require a report from the faculty or supervisor overseeing the student's practicum. Students enrolled in the practicum course in the Fall or Spring term will have to meet with the practicum instructor of record once a week at the time assigned to the practicum course.



Academic Policies

University of Houston Academic Policies

Academic Policies: College of Natural Sciences and Mathematics

Department Academic Policies

Students will be required to meet with the co-directors of the certificate in Biomedical Sciences program prior to the beginning of the Fall and Spring terms to establish a course plan for the coming terms and review progress towards the completion of the certificate.

Transfers

Students will not be permitted to transfer courses towards the 18 hours of certificate.

Department of Chemistry

Admission to Master's and Doctoral Programs

The requirements for admission to the MS and PhD programs are identical and are consistent with the Admission Requirements of the College of Natural Sciences and Mathematics. In evaluating individual applications for admission, a Department committee considers the content of undergraduate and graduate programs taken and grades earned, particularly in the areas of Chemistry, Physics, Biology, and Mathematics; scores earned on the GRE (competitive scores in either or both of the General GRE and Chemistry Subject GRE tests are favorably considered, though both tests are an optional component of the application); scores on the TSE and TOEFL exams; three letters of recommendation from individuals who are able to judge the candidate's likelihood for success in graduate school and his or her potential for scholarly scientific research; and any previous scientific and technical experience, publications, and presentations.

Master

Chemistry, MS

The Department of Chemistry at the University of Houston offers programs leading to Master of Science (MS) degree in analytical, biological, inorganic, materials, organic, physical and theoretical chemistry. With nationally recognized faculty who pursue research which provides a rich learning environment with the use of a wide variety of instrument facilities and excellent technical staff who support the research and teaching efforts within the department, students will have acquired a broad and in-depth knowledge of the discipline. Students have the option to pursue a thesis track option by demonstrating research competence with the successful completion and defense of acceptable thesis research, or a non-thesis track where students demonstrate technical competence with successful completion of formal graduate-level course work in Chemistry and related disciplines. Our graduates successfully find employment after they graduate in academia and industry.

For more information, please visit <http://www.uh.edu/nsm/chemistry/about/>.

Admission Requirements

Candidates who have completed the normal four-year program leading to the bachelor's degree in chemistry and who present documentary evidence of the ability to pursue graduate study are eligible for consideration for admission to the graduate program. A complete graduate school application (link <http://www.uh.edu/graduate-school/admissions/how-to-apply/>) must be submitted. General GRE scores taken in the last 5 years are optional.



Letters of recommendation are also given considerable weight in the evaluation process.

Students who did not earn a prior degree from a U.S. institution or a country where English is the medium of instruction (see list here) must meet minimum test scores to demonstrate English language proficiency. To learn more, visit: <http://www.uh.edu/graduate-school/international-students/>.

International applications also require an application fee.

Admission to our graduate program is based on a competitive selection process. Meeting the minimum requirements published does not guarantee admission to our program. All applicants' credentials are evaluated by the admissions committee using a broad range of criteria, including:

Content of undergraduate and graduate programs and grades earned, particularly in the areas of Chemistry, Physics, Biology, and Mathematics.

GRE scores, if submitted (verbal, quantitative, and analytical writing; inclusion of the GRE advanced chemistry subject test score is viewed favorably by the department)

A cumulative GPA of 3.00 or better in the last 60.0 Credit Hours.

Letters of recommendation from three (3) individuals (preferably faculty members), who are able to judge the candidate's academic abilities and potential for scholarly scientific research.

English proficiency scores, when applicable.

Any previous scientific and technical experience, publications, and presentations.

Degree Requirements

Diagnostic Examinations

Prior to the first day of class, new graduate students take four diagnostic examinations in the areas of organic, inorganic, physical and analytical chemistry. These are used by the Department to assess the student's preparation for graduate study and to help guide the student in course selections.

Research Divisions and Programs

Immediately following the diagnostic examinations, a meeting is scheduled between the new student and the Graduate Chair to determine course enrollment for the first semester. At that time, the student must elect a division with which to be associated. The divisions are:

Inorganic

Organic

Physical Chemistry

Course Requirements

Plan I: Thesis Option

A minimum of 30.0 approved Credit Hours including:

A. Divisional Courses

Completion of 6 graduate-level courses, no less than 18 credit hours, based on the course requirements in their elected division.

B. Master's Thesis Hours



Completion of 6.0 credit hours of Master's Thesis in the semester of anticipated graduation. Once enrolled in Master's Thesis, registration must be continuous and no grade is given until the Thesis is approved by the NSM Office of Academic Affairs.

CHEM 6399 - Masters Thesis **Credit Hours: 3**

CHEM 7399 - Masters Thesis **Credit Hours: 3**

C. Seminar Requirements

Credit Hours: 2.0

CHEM 6111 - Graduate Colloquium **Credit Hours: 1.0**

Note: Graduate students must take CHEM 6111 (Graduate Colloquium, one hour credit) in each long semester during which a full 9 credit hours of lecture-based courses are not taken during their first two years of study. At a minimum, students must be enrolled in CHEM 6111 once in their graduate career. Although participation in the Graduate Colloquium is required each semester the student is enrolled at the University, enrollment after the first two years of study is not required.

CHEM 6112 - Graduate Seminar **Credit Hours: 1.0**

Note: Graduate students must take CHEM 6112 (Graduate Seminar, one hour credit) in each long semester during which a full 9 credit hours of lecture-based courses are not taken during their first two years of study. At a minimum, students must be enrolled in CHEM 6112 once in their graduate career. Although participation in the Graduate Seminar is required each semester the student is enrolled at the University, enrollment after the first two years of study is not required.

D. Other Requirements

CHEM 6115 - Sem in Chm Lab Instruct **Credit Hours: 1.0**

Note: Students holding a teaching assistantship must register for CHEM 6115 (TA training, one hour credit) in each long semester during which they are teaching a course they have not previously taught and during which a full 9 credit hours of combined lecture-based courses and seminar courses are not taken.

CHEM 6015 - Sem in Chm Lab Instruct **Credit Hours: 0.0**

Note: Students holding a teaching assistantship who are already enrolled in 9 credit hours must register for CHEM 6015 (TA training, zero hour credit) during any semester in which they are a TA for a course they have not previously taught.

A final oral M.S. thesis defense is required and a finished Thesis must be submitted to the NSM Office of Academic Affairs by the deadline posted on the College website.

All courses must be in Chemistry or pre-approved courses in related fields at the 6000 level or above.

Chemistry coursework requirements must be met within the first five long terms (Fall and Spring terms). Graduate students cannot take coursework after the first five long terms in residence without approval from the Graduate Committee. Exceptions are granted only under extraordinary circumstances.

Two grades of C+ or less will result in the student being placed at the bottom of the priority list for receipt of a teaching fellowship.

Plan II: Non-Thesis Option

A minimum of 30.0 approved Credit Hours of formal graduate-level courses in Chemistry and related disciplines, with prior explicit Departmental approval to include:

CHEM 6311 - Mechanisms **Credit Hours: 3.0**

CHEM 6313 - Thermodynamics & Kinetics **Credit Hours: 3.0**

CHEM 6374 - Physical Inorganic Chem I **Credit Hours: 3.0**

Chemistry Division course, selected with approval of the Graduate Chair **Credit Hours: 3.0**

Elective courses selected from graduate-level CHEM courses **Credit Hours: 18.0**

Note: Graduate courses outside the department may be substituted with prior written permission from the Graduate Chair.



Other requirements:

Four diagnostic examinations must be taken no later than the beginning of the second semester of study.

A maximum of 6.0 hours may be transferred to satisfy the degree requirements, with permission of the Graduate Committee, provided that they were taken at the graduate level but not while in pursuit of an earned degree, the grades are B or higher, and the courses were taken within 5 years from the time of the graduation at UH.

Divisional Course Requirements

Completion of a minimum of 6 graduate-level courses is required. Students may take additional graduate-level courses with the written approval of their research advisors and Graduate Chair.

Inorganic Division

18.0 Credit Hours

Required Courses

3.0 Credit Hours

CHEM 6374 - Physical Inorganic Chem I **Credit Hours: 3.0**

Elective Course Options

15.0 Credit Hours

CHEM 6311 - Mechanisms **Credit Hours: 3.0**

CHEM 6312 - Bonding **Credit Hours: 3.0**

CHEM 6313 - Thermodynamics & Kinetics **Credit Hours: 3.0**

CHEM 6314 - Spectroscopy **Credit Hours: 3.0**

CHEM 6321 - Quantum Chemistry **Credit Hours: 3.0**

CHEM 6332 - Inorganic Material Analysis **Credit Hours: 3.0** *prerequisite: CHEM 6374*

CHEM 6375 - Physical Inorganic Chem II **Credit Hours: 3.0** *prerequisite: CHEM 6374*

CHEM 6376 - Organometallic Chemistry **Credit Hours: 3.0**

CHEM 6377 - Solid State Chemistry **Credit Hours: 3.0** *prerequisite: CHEM 6374*

Organic Division

18.0 Credit Hours

Required Courses

12.0 Credit Hours

CHEM 6311 - Mechanisms **Credit Hours: 3.0**

CHEM 6351 - Organic Structure Detrm **Credit Hours: 3.0**

Note: at the discretion of the research advisor, CHEM 6374 can be substituted for CHEM 6351

CHEM 6352 - Orgnc React & Synthesis **Credit Hours: 3.0**

CHEM 6353 - Physical Organic Chem **Credit Hours: 3.0**



Elective Course Options

6.0 Credit Hours

- CHEM 6312 - Bonding **Credit Hours: 3.0**
- CHEM 6313 - Thermodynamics & Kinetics **Credit Hours: 3.0**
- CHEM 6314 - Spectroscopy **Credit Hours: 3.0**
- CHEM 6374 - Physical Inorganic Chem I **Credit Hours: 3.0**
- CHEM 6376 - Organometallic Chemistry **Credit Hours: 3.0**
- CHEM 6332 - Inorganic Material Analysis **Credit Hours: 3.0** *prerequisite: CHEM 6374*
- CHEM 6375 - Physical Inorganic Chem II **Credit Hours: 3.0** *prerequisite: CHEM 6374*
- CHEM 6377 - Solid State Chemistry **Credit Hours: 3.0** *prerequisite: CHEM 6374*

Physical Division

18.0 Credit Hours

Required Courses

12.0 Credit Hours

- CHEM 6321 - Quantum Chemistry **Credit Hours: 3.0**
- CHEM 6322 - Statistical Thermodynamics **Credit Hours: 3.0**
- CHEM 6324 - Molecular Spectroscopy **Credit Hours: 3.0**
- CHEM 6313 - Thermodynamics & Kinetics **Credit Hours: 3.0**

Elective Course Options

6.0 Credit Hours

- Elective courses **Credit Hours: 6.0**
Must be selected with approval of advisor

Academic Policies

- University Academic Policies
- Academic Policies: College of Natural Sciences and Mathematics

Department/Program Policies

- All MS students must be continuously enrolled full time until the degree requirements are completed. MS Plan I students must maintain full-time enrollment.
- Transfer from the Plan I Program to the Plan II Program and vice versa is normally prohibited and is at the discretion of the Graduate Committee.
- Any off-campus research that will become part of a thesis must have prior written approval of both the external company or institution involved and the Graduate Committee.



Scholastic requirement

Graduate students must maintain a minimum grade point average of 3.00 in all course work to be considered in good standing. Students not in good standing cannot receive a graduate degree and can be declared ineligible for support with a graduate assistantship (IA, TA or RA).

Thesis

A candidate for MS Plan I graduate degree conducts research under the direction of his or her research advisor and thesis committee. The results of the research form a large and necessary component of the thesis demonstrating that the student is capable of conducting original chemistry research and of systematically planning and executing a research project. After the thesis has been written, the candidate must pass an oral final thesis defense administered by the thesis committee. This defense deals extensively with that portion of the candidate's field of specialization under which the thesis falls. The thesis must be successfully defended no later than two weeks before the deadline for submission of the approved copy to the College of Natural Sciences and Mathematics Office of Academic Affairs. Copies of the thesis must be given to the committee members no less than two weeks prior to the oral final thesis examination. The college submission deadline can be found on the NSM website each semester.

Advisor Selection

The selection of a research advisor to guide a student through the thesis research is a critically important step. New graduate students should meet with several (at least four) members of the Chemistry faculty to discuss potential research projects and mutual interests. After meeting with faculty members and deciding which faculty member's research provides the best fit, students should ask the faculty member for permission to join the faculty member's research group. Students who enter in the fall semester must choose and be accepted by a research advisor no later than the first day of the spring semester (the earlier the better). Students are expected to begin research as soon as they have chosen an advisor. Students who cannot choose an advisor in the required time may request from the Graduate Committee an additional semester to decide. Extensions are granted, however, only under extraordinary circumstances. Failure to observe the time limit for choosing a research advisor may jeopardize a student's standing in the program.

Thesis Committee

The thesis committee of a student in the MS Plan I program is composed of five members: the research advisor, two (2) faculty members from within the student's division, one faculty member from outside the division but from within the Department, and one member from outside the Department, which may be a faculty member from the University, from another university or college, or a person from industry with a PhD. A thesis committee composition form required by the College of Natural Sciences and Mathematics (NSM) must be completed and submitted to the College one semester prior to the graduation. Should changes in the committee composition be necessary, a new form must be submitted for re-approval prior to the thesis defense exam.

Doctoral

Chemistry, PhD

The Department of Chemistry at the University of Houston offers programs leading to Doctor of Philosophy (PhD) degree in analytical, biological, inorganic, materials, organic, physical and theoretical chemistry. With nationally recognized faculty who pursue research which provides a rich learning environment with the use of a wide variety of instrument facilities and excellent technical staff who support the research and teaching efforts within the department, recipients will have acquired a broad and in-depth knowledge of the discipline meeting the national standards of the discipline. Our graduates successfully find employment after they graduate in academia, government labs, and industry.

For more information, please visit <http://www.uh.edu/nsm/chemistry/about/>.

Admission Requirements

Candidates who have completed the normal four-year program leading to the bachelor's degree in chemistry and who present documentary evidence of the ability to pursue graduate study are eligible for consideration for admission to the graduate program.



A complete graduate school application (link: www.uh.edu/graduate-school/admissions/how-to-apply) must be submitted.

General GRE scores taken in the last 5 years are optional.

Letters of recommendation are also given considerable weight in the evaluation process.

Students who did not earn a prior degree from a U.S. institution or a country where English is the medium of instruction (see list here) must meet minimum test scores to demonstrate English language proficiency. To learn more, visit: <http://www.uh.edu/graduate-school/international-students/>. International applications also require an application fee.

Admission to our graduate program is based on a competitive selection process. Meeting the minimum requirements published does not guarantee admission to our program. All applicants' credentials are evaluated by the admissions committee using a broad range of criteria, including:

- Content of undergraduate and graduate programs and grades earned, particularly in the areas of Chemistry, Physics, Biology, and Mathematics

- GRE scores, if submitted (verbal, quantitative, and analytical writing; inclusion of the GRE advanced chemistry subject test score is viewed favorably by the department)

- A cumulative GPA of 3.00 or better in the last 60 hours

- Letters of recommendation from three (3) individuals (preferably faculty members), who are able to judge the candidate's academic abilities and the potential for scholarly scientific research

- English proficiency test scores, when applicable

- Any previous scientific and technical experience, publications, and presentations

Degree Requirements

Credit hours required for this degree: 54.0

Diagnostic Examinations

Prior to the first day of class, new graduate students take four diagnostic examinations in the areas of organic, inorganic, physical and analytical chemistry. These are used by the Department to assess the student's preparation for graduate study and to help guide the student in course selections.

Research Divisions and Programs

Immediately following the diagnostic examinations, a meeting is scheduled between the new student and the Graduate Chair to determine course enrollment for the first term. At that time, the student must elect a division with which to be associated. The divisions are:

- Inorganic

- Organic

- Physical Chemistry

A limited number of students may also request to participate in the Chemical Physics Program or the Chemical Biology Interdisciplinary Program.

A student who requests to participate in either of the latter two programs must obtain permission from the Graduate Chair and is subject to special requirements for participating in the programs and graduation. Students interested in the Chemical Physics or the Chemical Biology Interdisciplinary Programs should contact the Graduate Chair before the start of the first term.

Course Requirements

A minimum total of 54.0 Credit Hours of graduate-level work, which may include lecture courses, lab courses, seminars, research, etc., is required for the PhD program.



A. Divisional Courses

Completion of 6 graduate-level courses (no less than 18.0 Credit Hours) based on the course requirements in their elected division and special program, see below.

B. Doctoral Dissertation Hours

Completion of a minimum of 3.0 credit hours but no more than 12.0 Credit hours of Doctoral Dissertation in the term of anticipated graduation. Once enrolled in Doctoral Dissertation, registration must be continuous and no grade is awarded until the degree is conferred.

CHEM 8X99 - Doctoral Dissertation

C. Seminar Requirements

Credit Hours: 2.0

CHEM 6111 - Graduate Colloquium **Credit Hours: 1.0**

Note: Graduate students must take CHEM 6111 (Graduate Colloquium, one hour credit) in each long semester during which a full 9 credit hours of lecture-based courses are not taken during their first two years of study. At a minimum, students must be enrolled in CHEM 6111 once in their graduate career. Although participation in the Graduate Colloquium is required each semester the student is enrolled at the University, enrollment after the first two years of study is not required.

CHEM 6112 - Graduate Seminar **Credit Hours: 1.0**

Note: Graduate students must take CHEM 6112 (Graduate Seminar, one hour credit) in each long semester during which a full 9 credit hours of lecture-based courses are not taken during their first two years of study. At a minimum, students must be enrolled in CHEM 6112 once in their graduate career. Although participation in the Graduate Seminar is required each semester the student is enrolled at the University, enrollment after the first two years of study is not required.

D. Other Requirements

CHEM 6115 - Sem in Chm Lab Instruct **Credit Hours: 1.0**

Note: Students holding a teaching assistantship must register for CHEM 6115 (TA training, one hour credit) in each long semester during which they are teaching a course they have not previously taught and during which a full 9 credit hours of combined lecture-based courses and seminar courses are not taken.

CHEM 6015 - Sem in Chm Lab Instruct **Credit Hours: 0.0**

Note: Students holding a teaching assistantship who are already enrolled in 9 credit hours must register for CHEM 6015 (TA training, zero hour credit) during any semester in which they are a TA for a course they have not previously taught.

A final oral defense of the PhD dissertation is required.

At the end of the fourth term, the Graduate Chair reviews the course work of students in the Program. Two grades of C+ or less will result in the student being terminated from the Ph.D. program and enrolled in the MS Plan 1 or MS Plan 2 program. In an effort to receive a higher grade, a student may retake a course in which a grade of C+ or less was received provided this is done before the end of the fourth term. Both grades are used, however, in computing a student's cumulative GPA.

After the second long term (Fall or Spring term) but prior to the end of the fifth long term, students must complete an Oral Research Progress Exam (see the next section of this document). Satisfactory completion of this exam along with the course requirements listed above results in promotion to PhD candidacy.

All courses must be in Chemistry or pre-approved courses in related fields at the 6000 level or above.

Chemistry coursework requirements must be met within the first five long terms. Graduate students cannot take coursework after the first five long terms in residence without approval from the Graduate Committee. Exceptions are granted only under extraordinary circumstances.



Divisional Course Requirements

Completion of a minimum of 6 graduate-level courses is required. Students may take additional graduate-level courses with the written approval of their research advisors and Graduate Chair.

Inorganic Division

18.0 Credit Hours

Required Courses

3.0 Credit Hours

CHEM 6374 - Physical Inorganic Chem I **Credit Hours: 3.0**

Elective Course Options

15.0 Credit Hours

CHEM 6311 - Mechanisms **Credit Hours: 3.0**

CHEM 6312 - Bonding **Credit Hours: 3.0**

CHEM 6313 - Thermodynamics & Kinetics **Credit Hours: 3.0**

CHEM 6314 - Spectroscopy **Credit Hours: 3.0**

CHEM 6321 - Quantum Chemistry **Credit Hours: 3.0**

CHEM 6332 - Inorganic Material Analysis **Credit Hours: 3.0** *prerequisite: CHEM 6374*

CHEM 6375 - Physical Inorganic Chem II **Credit Hours: 3.0** *prerequisite: CHEM 6374*

CHEM 6376 - Organometallic Chemistry **Credit Hours: 3.0**

CHEM 6377 - Solid State Chemistry **Credit Hours: 3.0** *prerequisite: CHEM 6374*

Organic Division

18.0 Credit Hours

Required Courses

9.0 Credit Hours

CHEM 6311 - Mechanisms **Credit Hours: 3.0**

CHEM 6351 - Organic Structure Determination **Credit Hours: 3.0**

Note: At the discretion of the research advisor, CHEM 6374 can be substituted for CHEM 6351

CHEM 6352 - Organic Reaction & Synthesis **Credit Hours: 3.0**

Elective Course Options

6.0 Credit Hours

CHEM 6312 - Bonding **Credit Hours: 3.0**

CHEM 6313 - Thermodynamics & Kinetics **Credit Hours: 3.0**



CHEM 6314 - Spectroscopy **Credit Hours: 3.0**
CHEM 6330 - Advanced Polymer Chemistry **Credit Hours: 3.0**
CHEM 6332 - Inorganic Material Analysis **Credit Hours: 3.0** *prerequisite: CHEM 6374*
CHEM 6353 - Physical Organic Chem **Credit Hours: 3.0**
CHEM 6374 - Physical Inorganic Chem I **Credit Hours: 3.0**
CHEM 6375 - Physical Inorganic Chem II **Credit Hours: 3.0** *prerequisite: CHEM 6374*
CHEM 6376 - Organometallic Chemistry **Credit Hours: 3.0**
CHEM 6377 - Solid State Chemistry **Credit Hours: 3.0** *prerequisite: CHEM 6374*
CHEM 6399 - Masters Thesis **Credit Hours: 3**
CHEM 6394 - Sel Tops-Organic Chm **Credit Hours: 3.0**

Physical Division

18.0 Credit Hours

Required Courses

6.0 Credit Hours

CHEM 6313 - Thermodynamics & Kinetics **Credit Hours: 3.0**
CHEM 6321 - Quantum Chemistry **Credit Hours: 3.0**

Elective Course Options

12.0 Credit Hours

CHEM 6322 - Statistical Thermodynamics **Credit Hours: 3.0**

CHEM 6324 - Molecular Spectroscopy **Credit Hours: 3.0** OR
CHEM 6314 - Spectroscopy **Credit Hours: 3.0**
Additional elective courses to be selected with approval of advisor

Academic Policies

University of Houston Academic Policies
Academic Policies: College of Natural Sciences and Mathematics

Department/Program Policies

All PhD students must be continuously enrolled full time until the degree requirements are completed.
Any off-campus research that will become part of a dissertation must have prior written approval of both the external company or institution involved and the Graduate Committee.
Two grades of C+ or less will result in the student being placed at the bottom of the priority list for receipt of a teaching fellowship.

Scholastic Requirement

Graduate students must maintain a minimum grade point average of 3.00 in all course work to be considered in good standing. Students not in good standing cannot receive a graduate degree and can be declared ineligible for support with a graduate assistantship (IA, TA, TA/TE or RA).



Oral Research Progress (ORP) Examination

After the second but prior to the end of the fifth long term, a student wishing to obtain a PhD must undergo an ORP examination administered by the student's ORP committee. The ORP exam must be completed before the end of the student's 5th term in residence. Failure to observe this time limitation will result in the student being placed in the MS Plan I program. The committee consists of four (4) faculty members; the student's research advisor(s) may not serve on the ORP committee. The committee has two (2) faculty members from within the student's division - one of whom will be designated as the "chair" of the committee, one (1) member from outside the division but within the Department, and one from outside the Department (researchers from industry with a PhD degree are eligible). The student's research advisor and the student choose two committee members, one of whom is the member from outside the department. The Graduate Chair appoints the two other committee members. The student's research advisor and the student may make recommendations for the other two members of the committee to the Graduate Chair and may request a particular faculty member (only one) be excluded from the committee. All four members of the ORP committee must be physically present during the entire ORP examination for it to be considered a valid exam. The ORP committee form can be found at the department web site for download and completion. Further details on the ORP exam can be found in the Graduate Study Handbook.

Dissertation

A Ph.D. student conducts research under the direction of his or her research advisor and dissertation committee. The results of the research form a large and necessary component of the dissertation demonstrating that the student is capable of conducting original chemistry research and of systematically planning and executing a research project. After the dissertation has been written, the candidate must pass an oral final dissertation examination administered by the dissertation committee. This examination deals extensively with that portion of the candidate's field of specialization under which the dissertation falls. The dissertation must be successfully defended no later than two weeks before the college deadline to submit the committee approved copy to the College of Natural Sciences and Mathematics Office of Academic Affairs. Copies of the dissertation must be given to the committee members no less than two weeks prior to the oral final dissertation examination. The college submission deadline can be found on the NSM website each term.

Advisor Selection

The selection of a research advisor to guide a student through his or her dissertation research is a critically important step. New graduate students should meet with several (at least four) members of the Chemistry faculty to discuss potential research projects and mutual interests. After meeting with faculty members and deciding which faculty member's research provides the best fit, students should ask the faculty member for permission to join the faculty member's research group. Students who enter in the fall term must choose and be accepted by a research advisor no later than the first day of the spring term (the earlier the better). Students are expected to begin research as soon as they have chosen an advisor. Students who cannot choose an advisor in the required time may request from the Graduate Committee an additional term to decide. Extensions are granted, however, only under extraordinary circumstances. Failure to observe the time limit for choosing a research advisor may jeopardize a student's standing in the program.

Dissertation Committee

The student's dissertation committee is designated prior to the end of four long terms' enrollment (counting only fall and spring terms as "long terms"). The committee consists of five members: the student's research advisor, two faculty members in the student's division, one chemistry faculty member outside the student's division, and one member from outside the Department of Chemistry (this can be a faculty member from another department or another university, or a person from industry who has earned a Ph.D.). The research advisor and student choose one committee member from the department and one from outside the department. These selections, along with requests or recommendations for other committee members, are communicated in writing to the Chair of the Graduate Committee. The Graduate Chair then selects the other two members of the dissertation committee to give the prescribed distribution. The Graduate Committee must approve the final dissertation committee. A dissertation committee composition form required by the College of Natural Sciences and Mathematics (NSM) must be completed and submitted to the College one term prior to the graduation. Should changes in the committee composition be necessary, a Change in Committee Composition Form must be submitted for approval prior to the Dissertation defense exam.



Department of Computer Science

The Department of Computer Science at the University of Houston was founded in 1967 and is considered one of the first established in the country. Some of the core research areas include: biomedical informatics and imaging, database systems, data mining and machine learning, high-performance computing, human-computer interaction and graphics, operating systems and networking, software engineering, and theory and computer security.

Graduate academic programs offered include: MS (thesis and non-thesis), PhD, and a graduate certificate in Interactive Game Development. All computer science students must comply with the admissions and academic policies established by the University of Houston (The Graduate School), College of Natural Sciences and Mathematics, and the Department of Computer Science.

Additional information regarding the department and academic programs can be found on the department website.

Master

Computer Science, MS

The MS in Computer Science provides a theoretical and applied understanding of various specialties in the computing field. Students can choose the non-thesis option or thesis option. The former is non-research based while the latter is research focused that prepares students to continue into a PhD program. Either option prepares a student to pursue a career in a variety of job sectors.

Our program places a strong emphasis on specialty to ensure students gain the in-demand skills and knowledge necessary for today's careers in computing. MS students are required to pursue a track specialization in Core Computer Sciences, Data Analytics, Parallel and Distributed Systems, or Interactive Media.

Students are expected to learn the fundamentals of Computer Science and gain hands-on skills, develop a deeper appreciation of computing and its applications towards a broad range of societal problems. Students will develop the necessary knowledge to apply mathematical and scientific reasoning to a variety of problems, and design, correctly implement and document computational solutions.

For more information, please visit the [Computer Science, MS program page](#).

Admission Requirements

In addition to the University and the College of Natural Sciences and Mathematics admissions requirements, applicants are evaluated on their previous academic record, GPA, GRE test scores, quality of schools from which degrees were obtained, statement of purpose, resume, and three letters of recommendation. An applicant is expected to have a Bachelor's degree in Computer Science or a related field. Verbal, quantitative and analytical writing scores from the GRE are examined separately and are evaluated as one source of information in the total graduate application.

International applicants should visit [The Graduate School](#) and [Department of Computer Science](#) websites for additional admissions requirements.

Admission is based on a competitive selection process. Meeting the minimum requirements published does not guarantee admission to our programs. Applicants will not be granted conditional admission.

Program Prerequisites



Students admitted to the graduate program of the Computer Science department must have taken Calculus I, Calculus II and Linear Algebra before being admitted to the program. In addition they are required to demonstrate an appropriate level of proficiency in computer science. Level of proficiency is defined to mean either (a) having successfully passed an equivalent course, as determined by the Director of Graduate Studies, for each subject listed below, (b) complete the corresponding course with a grade of B- or better at the University of Houston, or (c) successfully pass a department placement exam in each of the required subjects.

Equivalent Coursework - evaluation of equivalent coursework for each subject listed below will be determined by the Director of Graduate Studies at the time of initial advising.

Completion After Admission - upon entering the graduate program, students may remedy deficiencies by taking courses from the list below and securing at least a B- grade. Any course in which a grade of "B-" or better is not made must be repeated the following term. Each course can be taken a maximum of two times to obtain the required grade of "B-" or better.

Department Placement Exam - A student must submit to the Director of Graduate Studies a request to take department placement exams(s) at least one month prior to the start of the first term. If approved by the Director of Graduate Studies, the exam(s) may be administered within the two weeks prior to the start of the term. The result of the department placement exam(s) will be reported by the first day of the term and included in the student's academic file.

Courses taken to remedy deficiencies will not be counted in the total number of credit hours required for the graduate degree.

Remediation of deficiencies must be completed (a) within the first two long terms and (b) before a student will be allowed to enroll in the courses which are counted towards their degree. The only exception is the term in which the student will complete the deficiencies. In this situation, a student can enroll in courses required to remedy deficiencies concurrent with enrollment in graduate courses that will be applied towards the degree.

Courses that may be taken to remedy deficiencies in Computer Science:

- COSC 6305 - Introduction to Computer Science II
- COSC 6306 - Data Structures
- COSC 6308 - Computer Architecture
- COSC 6309 - Introduction to Automata and Computability
- COSC 6310 - Fundamentals of Operating Systems

Degree Requirements

Credit hours required for this degree: 30.0

Thesis Option

Requires a minimum of 30 credit hours, with a defended thesis, subject to the following restrictions:

At least 15 credit hours of graduate level COSC lecture courses.

Excludes COSC 6300-6311 deficiency courses

Excludes COSC 6397 special topics courses

Includes track courses

An additional 9 credit hours must be taken from:

Graduate level COSC lecture courses

Excludes COSC 6300-6311 deficiency courses

COSC 6397 Special Topics (limit 6 hours)*

COSC 6398 Special Problems (limit 6 hours)*

Outside department courses (limit 6 hours)*

Transfer coursework from a previous institution (limit 6 hours, which is stricter than the university standard)*

Visit the university transfer credit policy for details



COSC 6399 and COSC 7399 in two consecutive terms prior to graduation. A student must be enrolled in COSC 7399 in the term of graduation.

*Requires prior approval from the director of graduate studies via a Graduate & Professional Student Petition

A student in the thesis option of the MS degree program must successfully complete and defend a thesis. Details on preparation of a thesis document can be found on the department website.

No later than one term before the anticipated graduation date of the student, a thesis advisory committee must be formed, which consists of the advisor and at least two (2) other members: one other member of the Computer Science faculty and one from outside the Department of Computer Science (either faculty from another department, another university or from industry). Further details on committee composition can be found here. The thesis advisory committee will be the comprehensive examination committee. The thesis is not considered to be complete until the student passes a comprehensive examination, which is primarily a defense of the thesis. The examination will be given upon the request of the student with the approval of the research advisor.

The comprehensive examination thesis defense is open to the University community and must be publicized at least two weeks in advance. Details on how to announce the defense can be found on the department website.

Non-Thesis Option

Requires a minimum of 30 credit hours, with no thesis requirement, subject to the following:

At least 21 credit hours of graduate level COSC lecture courses

Excludes COSC 6300-6311 deficiency courses

Excludes COSC 6397 special topics courses

Includes track courses

An additional 9 credit hours must be taken from:

Graduate level COSC lecture courses

Excludes COSC 6300-6311 deficiency courses

COSC 6397 Special Topics (limit 6 hours)*

COSC 6398 Special Problems (limit 6 hours)*

Outside department courses (limit 6 hours)*

Transfer coursework from a previous institution (limit 6 hours, which is stricter than the university standard)*

Visit the university transfer credit policy for details

*Requires prior approval from the director of graduate studies via a Graduate & Professional Student Petition

MS Tracks

Tracks allow MS students to specialize in key areas within computer science. The MS core computer science track is the default track unless an alternate track is declared. A track can be changed while enrolled in the MS program. To graduate, students must complete all track requirements which includes completing all track courses, maintaining a 3.00 or higher GPA in all track courses, and all other MS degree requirements including the total number of credits to complete the degree.

Core Track

Students must complete at least 4 courses for this track. Students must complete at least 4 courses for this track. At least 2 courses must be from Block 1. The remaining 2 courses can be from either Block 1 or Block 2.

Block 1: Theory

COSC 6369 - Theory of Computation **Credit Hours: 3.0**

COSC 6320 - Data Structures & Algorithms **Credit Hours: 3.0**



COSC 6364 - Adv Numerical Analysis **Credit Hours: 3.0**
COSC 6342 - Machine Learning **Credit Hours: 3.0**

Block 2: Systems

COSC 6340 - Database Systems **Credit Hours: 3.0**
COSC 6377 - Computer Networks **Credit Hours: 3.0**
COSC 6385 - Computer Architecture **Credit Hours: 3.0**
COSC 6360 - Operating Systems **Credit Hours: 3.0**

Data Analysis Track

The Data Analysis Track emphasizes a practical approach to the study of data analytics, imparting fundamentals supported by hands-on skills acquisition and problem solving involving real-world applications. The track facilitates preparation for positions in product development and research in industries pursuing image computing, data mining, and data analysis as well as for advanced studies in the field. Students must complete at least 4 courses for this track. At least 3 courses must be from Block 1. The remaining 1 course can be from Block 1 or Block 2.

Block 1: Introductory

COSC 6323 - Statistical Methods in Research **Credit Hours: 3.0**
COSC 6335 - Data Mining **Credit Hours: 3.0**
COSC 6336 - Natural Language Processing **Credit Hours: 3.0**
COSC 6339 - Big Data Analytics **Credit Hours: 3.0**
COSC 6340 - Database Systems **Credit Hours: 3.0**
COSC 6342 - Machine Learning **Credit Hours: 3.0**
COSC 6344 - Visualization **Credit Hours: 3.0**
COSC 6368 - Artificial Intelligence **Credit Hours: 3.0**
COSC 6373 - Computer Vision **Credit Hours: 3.0**
COSC 6380 - Digital Image Processing **Credit Hours: 3.0**

Block 2: Advanced Topics

COSC 6391 - Biomedical Image Analysis **Credit Hours: 3.0**
COSC 7336 - Advanced Natural Language Processing **Credit Hours: 3.0**
COSC 7362 - Advanced Machine Learning **Credit Hours: 3.0**
COSC 7373 - Advanced Computer Vision **Credit Hours: 3.0**

Parallel and Distributed Systems Track

The Parallel and Distributed Systems Track is a systems focused track with emphasis on theory, design and evaluation of parallel computations, protocols, and vector and distributed data applications. Students must complete at least 4 courses for this track. At least 3 courses must be from Block 1. The remaining 1 course can be from Block 1 or Block 2.

Block 1: Fundamentals

COSC 6326 - Distributed Algorithms **Credit Hours: 3.0**
COSC 6327 - Shared Memory Programming **Credit Hours: 3.0**
COSC 6365 - Intro High-Performance Comput **Credit Hours: 3.0**
COSC 6374 - Parallel Computations **Credit Hours: 3.0**
COSC 6377 - Computer Networks **Credit Hours: 3.0**
COSC 6376 - Cloud Computing **Credit Hours: 3.0**
COSC 6384 - Real-Time Systems **Credit Hours: 3.0**

Block 2: Advanced Topics



COSC 6339 - Big Data Analytics **Credit Hours: 3.0**
COSC 7364 - Adv Parallel Computatns **Credit Hours: 3.0**
COSC 7388 - Advanced Distributed Computing **Credit Hours: 3.0**

Interactive Media Track

The Interactive Media Track studies theoretical and applied aspects of interface, visualization, graphics and gaming. Students must complete at least 4 courses for this track. At least 3 courses must be from Block 1. The remaining 1 course can be from Block 1 or Block 2.

Block 1: Introductory

COSC 6344 - Visualization **Credit Hours: 3.0**
COSC 6355 - Ubiquitous Computing **Credit Hours: 3.0**
COSC 6356 - Computer Animation and Simulation **Credit Hours: 3.0**
COSC 6358 - Interactive Game Development **Credit Hours: 3.0**
COSC 6372 - Computer Graphics **Credit Hours: 3.0**
COSC 6373 - Computer Vision **Credit Hours: 3.0**
COSC 6380 - Digital Image Processing **Credit Hours: 3.0**

Block 2: Specialization

COSC 6348 - Introduction to Game Art and Animation **Credit Hours: 3.0**
COSC 6349 - Intermediate Game Art and Animation **Credit Hours: 3.0**
COSC 6359 - Intermediate Game Development **Credit Hours: 3.0**

Time Limitations

MS students must complete the program within five years of the date of enrollment with a master's degree objective at the University of Houston. Transfer credit may not apply to any master's degree if the course credit is more than five years old at commencement.

Refer to the Time Limitations of Completion of Degree Requirements section of the Graduate Catalog.

Academic Policies

University of Houston Academic Policies
Academic Policies: College of Natural Science and Mathematics

Doctoral

Computer Science, PhD

College of Natural Sciences and Mathematics > Department of Computer Science > Computer Science, PhD

The PhD degree program in Computer Science provides for a rigorous foundation in theoretical and applied computer science. Students obtain in-depth knowledge by satisfying a breadth course requirement intended to ensure broad knowledge of computer sciences as well as satisfy a depth requirement in the ability to conduct research to advance knowledge and application of Computer Sciences to diverse fields.



Our program places a strong emphasis on research and on graduates making novel contributions to Computer Science in the form of a dissertation and scholarly publications. Students pursuing the PhD degree are trained to become teachers, researchers, and technical leaders in industry, academia, or research labs.

Students will be prepared to be technical problem solvers, competent in the state of the art, and will master a particular aspect of Computer Science. They will be trained to identify and clearly formulate problems, to develop and analyze algorithmic solutions, and to direct research.

For more information, please visit the Computer Science, PhD program page.

Admission Requirements

In addition to the University and the College of Natural Sciences and Mathematics admissions requirements, applicants are evaluated on their previous academic record, GPA, quality of schools from which degrees were obtained, statement of purpose, resume, and three letters of recommendation. GRE scores are optional. An applicant is expected to have a Bachelor's degree in Computer Science or a related field. If submitted, verbal, quantitative and analytical writing scores from the GRE are examined separately and are evaluated as one source of information in the total graduate application.

TOEFL or IELTS scores must be provided by applicants who did not earn a prior degree from a US institution or a country where English is the medium of instruction (see list here). Visit International Students to learn more.

Admission to our graduate program is based on a competitive selection process. Meeting the minimum requirements published does not guarantee admission to our programs. Applicants will not be granted conditional admission.

Applicants can apply directly to the PhD program with a bachelor's degree. Current UH Computer Science MS students who intend to pursue a UH Computer Science PhD are advised to submit the PhD application early and inform the Graduate Advisor of their intent.

Prerequisites and Deficiencies

Students admitted to the graduate program of the Computer Science department must have taken Calculus I, Calculus II and Linear Algebra before being admitted to the program. In addition, they are required to demonstrate an appropriate level of proficiency in computer science. Level of proficiency is defined to mean either (a) having successfully passed an equivalent course, as determined by the Director of Graduate Studies, for each subject listed below, (b) complete the corresponding course with a grade of "B-" or better at the University of Houston, or (c) successfully pass a department placement exam in each of the required subjects.

Equivalent Coursework - evaluation of equivalent coursework for each subject listed below will be determined by the Director of Graduate Studies at the time of initial advising.

Completion After Admission - upon entering the graduate program, students may remedy deficiencies by taking courses from the list below and securing at least a B- grade. Any course in which a grade of "B-" or better is not made must be repeated the following term. Each course can be taken a maximum of two times to obtain the required grade of "B-" or better.

Department Placement Exam - A student must submit to the Director of Graduate Studies a request to take department placement exams(s) least one month prior to the start of the first term. If approved by the Director of Graduate Studies, the exam(s) may be administered within the two weeks prior to the start of the term. The result of the department placement exam(s) will be reported by the first day of the term and included in the student's academic file.

Courses taken to remedy deficiencies will not be counted in the total number of credit hours required for the graduate degree.

Remediation of deficiencies must be completed (a) within the first two long terms and (b) before a student will be allowed to enroll in the courses which are counted towards their degree. The only exception is the term in which the student will complete the deficiencies. In this situation, a student can enroll in courses required to remedy deficiencies concurrent with enrollment in graduate courses that will be applied towards the degree.



Courses that may be taken to remedy deficiencies in Computer Science:

- COSC 6305 - Introduction to Computer Science II
- COSC 6306 - Data Structures
- COSC 6308 - Computer Architecture
- COSC 6309 - Introduction to Automata and Computability
- COSC 6310 - Fundamentals of Operating Systems

Degree Requirements

Minimum credit hours required for this degree: 66.0

A student must complete a minimum of 66 credit hours subject to the following restrictions:

At least 30 credit hours of COSC graduate-level courses 6320-6397, 7300-7397, with the following exceptions:

- Can include 1 hour of COSC 6110
- Can include up to 3 hours of COSC 6398 Special Problems if taken within the first four long terms of the program*
- Can include up to 6 hours of non-COSC graduate courses*
- Can include up to 9 hours of transfer graduate coursework following university Transfer Credit policy*

**Requires prior approval from the director of graduate studies via a Graduate & Professional Student Petition*

At least 24 credit hours of Doctoral Research (COSC 8x98).

At least 3, but not more than 12 credit hours of dissertation (COSC 8x99), to be taken in the term of anticipated graduation.

In addition, students must fulfill the following requirements:

- Declare a research advisor (also known as dissertation committee chair)
- Satisfactory completion of COSC 6110 or COSC 6321
- Satisfactory completion of the Research Competency Evaluation (RCE) Exam.
- Satisfactory completion of the Breadth Requirement.
- Declare a dissertation committee
- Proposal Defense (preliminary examination): written proposal and satisfactory defense thereof.
- Dissertation Defense: written dissertation and satisfactory defense thereof.
- Satisfactory performance on Annual Reviews
- Publication of doctoral research. It is recommended to work towards one or more publications before the proposal defense and additional publications or submissions before the dissertation defense.
- Attend at least 5 department seminars per term
- Maintain satisfactory progress. Failure to meet degree, department, college, and university requirements and policies may be dismissed from the PhD program

Requirement	Time Restrictions
Research Advisor	By end of first long term
COSC 6110 or COSC 6321	By end of second long term



Requirement	Time Restrictions
RCE Exam	By end of third long term
Breadth Requirement	By end of second long term after passing the RCE Exam
Dissertation Committee	By end fourth long term
Annual Review	Each year starting in the third year
Proposal Defense	By end of third long term after passing the Breadth requirement
Dissertation Defense	May not be in the same term as the Proposal Defense

Time Limitations

Students who enroll as doctoral candidates must complete their degree requirements within 10 years of the date of first enrollment with a doctoral degree objective. All courses used towards the degree, including transferred and substituted courses, must not be older than 10 years at the time of graduation. Failure to comply will result in the candidate being ineligible for a doctoral degree.

Doctoral students who fail to complete their dissertation within five years after completion of the comprehensive examination must retake the examination.

Refer to the Time Limitations of Completion of Degree Requirements section of the Graduate Catalog.

an the end of the Spring or Fall semester.

1. Research Advisor

Students are urged to find a research advisor as early as possible. Full-time and part-time students must declare a research advisor by the end of the first long term by completing the required form. Student may enroll in doctoral research hours once they have declared a research advisor.

2. Graduate Colloquium/Research Methods

All PhD students are required to pass COSC 6110 - Graduate Colloquium or COSC 6321 - Research Methods in Computer Science by the end of the second long term in the program.

3. Research Competency Evaluation (RCE) Exam



PhD students are expected to spend a substantial amount of time on research starting in the first semester. The RCE requires students to learn and demonstrate specific skills necessary to doing research early in their career. These include the ability to perform a literature review, understand and synthesize research topics, conduct independent and collaborative research to the standards of the chosen discipline, and communicate the findings in a scholarly fashion.

For the RCE exam, the student (in consultation with their research advisor) selects and conducts research on a topic, writes an ACM/IEEE style paper, and presents a talk, to be approved by the student's RCE committee. A student may submit and present their own submitted or published research for RCE requirements. The RCE committee will evaluate the student with respect to two questions:

Has the student demonstrated scholarship and potential to conduct original research?

Has the student demonstrated the ability to communicate technical content effectively to a general computer science audience?

The RCE exam must be completed by the end of the third long term of the PhD program. It is not necessary to complete all coursework before attempting the RCE exam.

The student will either pass or fail the RCE exam, and this decision, based on a majority vote of the committee, will be communicated to the student immediately after the conclusion of the exam. Once the student passes, they may proceed with the preparation of the dissertation proposal. If failed, the student may request a second attempt. For a second attempt, the RCE committee will assign additional work, which should be completed and presented at the end of the next long term. Students who fail the second attempt will be discontinued from the PhD program.

The student's RCE committee should comprise of at least 3 Computer Science faculty members (not including the research advisor) and approved by the Director of Graduate Studies. At least one committee member should be from outside the student's research area. The research project topic for the RCE will be selected in consultation with the student's research advisor. Once the evaluation has taken place, the Chair of the RCE committee will inform the student and the Director of Graduate Studies about the outcome of the exam. Should a student

switch their research advisor after completing the RCE requirement, the student is not required to retake the RCE exam.

Additional details of the RCE exam can be found on the Computer Science website

4. Breadth Requirements

A student satisfies the core requirement by taking a set of three or more courses from the lists below. At least one course must be from the Theory list and one from the Systems list. The remaining course may be from either list. In exceptional cases, the Director of Graduate Studies may transfer or substitute at most two of the three courses based on equivalent courses taken at another university following transfer or course substitution policies. Similarly, any breadth course taken as a MS Computer Science student at UH may count towards the breadth requirement following transfer and course substitution policies. Time limitations apply to transferred and substituted courses.

Theory:

COSC 6320 - Data Structures & Algorithms **Credit Hours: 3.0**

COSC 6342 - Machine Learning **Credit Hours: 3.0**

COSC 6364 - Adv Numerical Analysis **Credit Hours: 3.0**

COSC 6369 - Theory of Computation **Credit Hours: 3.0**

Systems:

COSC 6340 - Database Systems **Credit Hours: 3.0**

COSC 6360 - Operating Systems **Credit Hours: 3.0**

COSC 6377 - Computer Networks **Credit Hours: 3.0**

COSC 6385 - Computer Architecture **Credit Hours: 3.0**

Breadth Requirement Completion Period



The "breadth requirement completion period" begins as soon as the student has successfully passed the RCE Exam. The breadth requirement completion period applies to PhD students as well as MS students who later pursue the PhD program. Full-time students must complete the breadth requirements in at most two consecutive long terms after passing the RCE Exam. Part-time students (6 hours or less every term) must complete the breadth requirement in at most four consecutive long terms after passing the RCE Exam. Failure to complete this requirement within the specified timeframe normally results in an MS student not being allowed to continue into the PhD program and a PhD student being dismissed from the PhD program.

5. Dissertation Committee

The dissertation committee must be comprised of a minimum of four members to include three internal members (inclusive of the research advisor who serves as the dissertation committee chair or co-chair) who have their primary faculty appointment within the major department and one approved external member from outside the major department at UH, industry or other academic institution who is acceptable to the department and approved by the college. A faculty member with a joint appointment in the major department is considered as an external member unless he/she chairs the committee. In this case, an additional external member outside the major department is required. After these minimum requirements for committee members are satisfied, additional committee members may be approved, but at least 50% of the committee must be tenured/tenure-track faculty at the University of Houston. Research faculty, instructional faculty and emeritus faculty may serve on dissertation committees, but not chair the committees. However, a research professor may serve as a co-advisor with a tenured/tenure-track faculty. For the purpose of the committee composition, an emeritus faculty is considered as internal non-tenure-track faculty member.

6. Proposal Defense

A student must pass a proposal defense (also referred as the preliminary examination) administered by the student's dissertation committee. The purpose of the proposal defense is to evaluate and give feedback on the proposed dissertation research of the student.

The student must prepare the dissertation proposal document using the NSM PhD dissertation template and present the proposal to the dissertation committee. The proposal document should include an overview of the proposed work, relevant related work, completed work, and a plan for the work to be completed in the dissertation. The presentation should cover the same topics in the proposal document, and include a listing of coursework completed, publications, and a proposed timeline for key activities to complete in the dissertation. The proposal document should be submitted to the dissertation committee at least two weeks before the proposal defense.

The proposal defense is open to the public and should be announced two weeks in advance. All may ask the student questions related to the proposal or the student's preparation for doctoral-level research. The committee may have a closed session with the student at the end of the proposal defense. The committee will submit a written report to the Director of Graduate Studies concerning the student's performance on the proposal defense and assign an overall evaluation of satisfactory (pass) or unsatisfactory (fail). A student will be informed of the outcome and upon receiving a satisfactory evaluation, the student becomes a PhD candidate.

Details on how to announce the defense can be found on the Computer Science website.

Full-time and part-time students must attempt the proposal defense no later than the end of the third long term after completing the breadth requirement. The proposal defense cannot be held before fulfilling the breadth requirement. The proposal defense must be completed at least one term before the dissertation defense.

Ideal candidates should have one or more publications before the proposal defense and additional publications or submissions before the dissertation defense.

7. Dissertation Defense



A PhD candidate will be required to present their dissertation in a public defense. The dissertation defense and the proposal defense may not be scheduled in the

same term. The dissertation committee decides the acceptability of the dissertation. Candidates are expected to publish results of their dissertation research prior to the dissertation defense. Ideal candidates should have one or more publications before the proposal defense and additional publications or submissions before the dissertation defense.

The dissertation defense is open to the University community and the student must inform the department at least two weeks in advance so that it can be publicized. Details on how to announce the defense can be found on the Computer Science website .

8. Annual Review

Every PhD student must complete the formation of a dissertation committee no later than the end of the 2nd year in the program. Each student will be reviewed annually by the dissertation committee during a review meeting; the review is mandatory starting on the 3rd year. The review meeting should be integrated to the proposal defense in the year in which the proposal defense takes place, and it is not necessary in the year of the dissertation defense.

After meeting with the student, the dissertation committee will submit a "PhD Annual Review - Committee Evaluation Form" to the Director of Graduate Studies. The evaluation can be satisfactory "S", unsatisfactory "U", or needs improvement "NI". If the student receives a "U" or "NI" grade, the student must be provided with a clear plan to return to a satisfactory status and reviewed again in the next long term. A subsequent evaluation of "NI" or "U" can result in removal of the program.

Deadlines

The PhD Annual Review - Self-Evaluation Form must be submitted by the student before the following deadlines: October 31 (during fall) or May 31 (during spring)

The PhD Annual Review - Committee Evaluation Form must be submitted by the dissertation committee no later than the end of the Spring or Fall semester.

Academic Policies

University of Houston Academic Policies
Academic Policies: College of Natural Sciences and Mathematics

Graduate Certificate

Interactive Game Development, Certificate

College of Natural Sciences and Mathematics > Department of Computer Science > Interactive Game Development, Certificate

The graduate certificate program provides a solid foundation in game development processes as well as arts and animation; preparing students to become game developers in the largest sector of the entertainment industry. The program prepares students to understand fundamental game processes across multiple platforms, understand features of game development, create a game environment, and apply concept art and animation. It includes a hands-on component involving game creation to understand the challenges and solutions in game development across a variety of platforms.

The certificate is a part-time only, non-degree seeking program, which may have financial aid restrictions (not eligible for a student visa).



For additional information regarding the certificate program, please visit <http://www.uh.edu/nsm/computer-science/graduate/certificate/index.php>.

Admission Requirements

The application and admissions process for the certificate program is independent of the application and admissions process for the MS and PhD program. A student may pursue the certificate as a non-degree seeking only student or may pursue the certificate concurrently with the MS or Phd Degree. Enrolling into the certificate program does not guarantee admission to the MS or PhD program.

Applications are considered only for the fall term. Applicants must submit an application, one-page statement of purpose, resume, official transcripts with degrees (and English translation if original in another language). GRE scores and letters of recommendation letters are not required. Information on additional documentation for international applicants, including fulfilling the English language proficiency requirement, is found at International Students. International applications require a \$75 application fee.

Prerequisites:

Applicants for the graduate certificate should demonstrate an appropriate level of proficiency in computer science. Level of proficiency is defined as having a "B-" or better in the following courses or the equivalents.

Math 1431 - Calculus I

Math 1432 - Calculus II

Math 2331 - Linear Algebra

COSC 1430/6305 - Introduction to Programming

COSC 2430/6306 - Programming and Data Structures

See this page for more details: <http://www.cs.uh.edu/graduate/certificate/index.php>

Certificate Requirements

Students are required to complete the following four (4) courses:

COSC 6348 - Introduction to Game Art and Animation **Credit Hours: 3.0**

COSC 6358 - Interactive Game Development **Credit Hours: 3.0**

COSC 6349 - Intermediate Game Art and Animation **Credit Hours: 3.0**

COSC 6359 - Intermediate Game Development **Credit Hours: 3.0**

Students considering application to the MS in Computer Science may normally take a maximum of two (2) graduate classes before being accepted into the program; however, all four (4) of the courses taken for the certificate may transfer in. Additional earned graduate credits will not apply to the degree. Any of the four (4) required certificate courses completed before official acceptance into the certificate program will not count towards the certificate.

Academic Policies

University of Houston Academic Policies

College Academic Policies

Department of Earth and Atmospheric Sciences



Admission to Master's and Doctoral Programs

A faculty committee will evaluate the applications of all Graduate applicants. They will examine a broad range of criteria, which will normally include the content of undergraduate and graduate programs and grades earned, particularly in the areas of geosciences, physics, chemistry, and mathematics; three letters of recommendation from individuals who are able to judge the candidate's likelihood for success in graduate school and his or her potential for scholarly scientific research; and scientific, professional, and technical publications and master's thesis. GRE scores are not a required in graduate applications but scores may be submitted by applicants if they choose. Conditional admission may be granted to applicants with less than 3.00 on the last 60 hours if there is an indication that graduate work could be successfully completed.

Master

Atmospheric Science, MS

College of Natural Sciences and Mathematics > Department of Earth and Atmospheric Sciences > Atmospheric Science, MS

The Department of Earth & Atmospheric Sciences offers a wide range of courses leading to the Master of Science in Atmospheric Sciences degree. The Department will provide all its students with educational programs that encompass the fundamental principles of the atmospheric sciences and the body of knowledge associated with the application of these principles to the study of the atmospheric sciences. Masters level students will receive specialized instruction in the acquisition, processing, and interpretation of Atmospheric Science data and the application of Atmospheric Science methods to problem-solving. Students successfully completing the MS program will be prepared for a career as a professional atmospheric scientist.

For additional information, please visit Masters Science in Atmospheric Science Degree Program.

Admission Requirements

Candidates for the Master's of Science in Atmospheric Science are required to have successfully completed a Bachelor's of Science in Atmospheric Science equivalent to one at the University of Houston.

A complete graduate school application found here www.uh.edu/graduate-school/admissions/how-to-apply) must be submitted. Scores from the General GRE examination taken in the last 5 years are optional.

Admission to our graduate program is based on a competitive selection process. Meeting the minimum requirements published does not guarantee admission to our program.

Domestic applicants with a lower cumulative GPA may be admitted conditionally.

Letters of recommendation are also given considerable weight in the evaluation process.

Students who did not earn a prior degree from a U.S. institution or a country where English is the medium of instruction (see list in the General Admission Policy) must meet minimum test scores to demonstrate English language proficiency. Visit <http://www.uh.edu/graduate-school/admissions/international-students/> to learn more.

The admissions committee and the department chair will evaluate the credentials of each applicant for the MS program, considering a broad range of criteria, including:

Content of undergraduate and graduate programs and grades earned, particularly in the areas of Meteorology, Physics, Mathematics, Chemistry, Geosciences, or related natural/physical sciences.

A cumulative GPA of 3.00 or better in the last 60 hours of course work.

Letters of recommendation from three (3) individuals (preferably faculty members), who are able to judge the candidate's academic abilities and potential for scholarly research.

GRE scores, if submitted (verbal, quantitative, and analytical writing; advanced GRE is recommended but optional).



English proficiency scores, when applicable.

In addition to these requirements, graduate admission may also be contingent upon a faculty advisor agreeing to supervise the applicant's research. Therefore, prospective students are strongly encouraged to contact faculty members in the applicant's field of interest prior to the application deadline.

Program Prerequisites

Candidates entering the Atmospheric Science MS program are expected to have the necessary science and mathematics background and should have successfully completed course work deemed equivalent to the following courses at the University of Houston:

MATH 2331 (Linear Algebra)
MATH 2433 (Calculus III)
MATH 3363 (Intro. to Partial Differential Equations)
GEOL 1302 (Introduction to Global Climate Change)
GEOL 1350 (Introduction to Meteorology)
GEOL 3342 (Principles of Air Pollution)
GEOL 3378 (Principles of Atmospheric Science)

The department will determine what deficiencies -if any - are present, and the acceptable means of removing those deficiencies (e.g. course work within and/or outside the Department, directed study, research papers). Substitution of courses equivalent to those listed above as well as waivers of requirements will be considered on an individual basis. Applicants with a few deficiencies can satisfy those requirements while also taking graduate courses at the University of Houston; these requirements will be listed in an offer letter should the student be admitted. It is normally recommended that a student with 6 or more deficiency courses -e.g., those whose Bachelor's degree was in another discipline- work toward a second Bachelor's degree in Atmospheric Science prior to graduate work.

Degree Requirements

The MS degree will be awarded after students have successfully completed requirements.

A minimum of 30.0 approved Credit Hours are required:

Formal Atmospheric Science courses at the 6000 level or higher **Credit Hours: 15.0**

Thesis courses (GEOL 6399 & GEOL 7399) **Credit Hours: 6.0**

Elective course **Credit Hours: 9.0**

Courses can be selected from approved courses outside the area of atmospheric science, but relevant to the degree program, with prior permission of the Atmospheric Science Graduate Faculty Advisor.

No more than 6 hours of special problems courses can be counted towards the required 30.0 Credit Hour minimum.

Core Course Requirements

Minimum 9.0 Credit Hours

In order to ensure breadth, each MS student is required to take at least one course from each of the 3 core course categories below.

Students are encouraged to consult with the Atmospheric Science Graduate Faculty Advisor to make their selections of the remaining graduate courses.

Category 1 (Atmospheric Dynamics and Physics)

GEOL 6337 - Atmospheric Physics **Credit Hours: 3.0**



GEOL 6336 - Boundary Layers and Turbulence **Credit Hours: 3.0**

GEOL 6330 - Dynamic Meteorology **Credit Hours: 3**

GEOL 6327 - Atmospheric Radiation **Credit Hours: 3.0**

GEOL 6397 - Selected Topics in Geology **Credit Hours: 3.00**

Topic: Mesoscale Meteorology

Category 2 (Atmospheric Chemistry)

GEOL 6327 - Atmospheric Radiation **Credit Hours: 3.0**

GEOL 6332 - Air Pollution Meteorology **Credit Hours: 3.0**

GEOL 6334 - Atmospheric Chemistry **Credit Hours: 3**

GEOL 6370 - Atmospheric Biogeochemistry **Credit Hours: 3.0**

Category 3 (Atmospheric Measurement and Modeling)

GEOL 6325 - Remote Sensing **Credit Hours: 3.0**

GEOL 6335 - Atmospheric Numerical Modeling **Credit Hours: 3.0**

GEOL 6329 - Atm Instrument & Measurement **Credit Hours: 3.0**

GEOL 6328 - Atmospheric Data Analysis and Statistics **Credit Hours: 3**

Thesis Requirement

6.0 Credit Hours

There is only a thesis option available for the MS in Atmospheric Science degree; All students must complete and defend a thesis acceptable to the department.

GEOL 6399 - Masters Thesis **Credit Hours: 3**

GEOL 7399 - Masters Thesis **Credit Hours: 3**

Academic Policies

University Academic Policies

Academic Policies: College of Natural Sciences and Mathematics

Department/Program Policies

Scholastic Requirements

Graduate students must maintain a minimum grade point average of 3.00 in all course work to be considered in good standing. Students not in good standing cannot receive a graduate degree and can be declared ineligible for support with a graduate assistantship (IA, TA or RA).

Research (Thesis) Advisor/Committee

Advisor

A formal thesis topic and thesis advisor must be chosen prior to the completion of 15 semester hours.

The student and the advisor will together plan the remainder of the student's course work.



The 30 required hours are a minimum and, for a specific area of interest, it may be necessary for the student to complete additional course work.

The initial selection of an advisor is not binding on the student or the faculty member.

The student may change his/her thesis advisor pending approval by the Geology Graduate Faculty Advisor, but it is the responsibility of the student to review his/her degree plan and prepare for potential changes in the department and/or faculty support with the new advisor.

In addition, if the student has already formally proposed their project, they may have to present another thesis proposal of their new project(s).

Committee

Students must specify a thesis committee and have the names on file in the NSM Office of Academic Affairs at least one term prior to their graduation.

The committee must consist of

a minimum of two faculty members who have their primary appointment within EAS and one approved external member, outside of EAS, from industry, or other academia, who is acceptable to the department and approved by the College.

A faculty member with a joint appointment in the major department is considered as an outside member unless he/she chairs the committee. In this case, an additional external member outside the major department is required.

After these minimum requirements for committee members are satisfied, additional committee members may be approved from industry or academia, but at least 50% of the committee must be tenured/tenure-track faculty at the University of Houston.

Research faculty or instructional faculty may serve on thesis committees, but not chair the committees. However, a research professor may serve as a co-advisor with a tenured/tenure-track faculty.

Thesis Proposal

Students must present a thesis proposal.

Timeline and Scheduling

All full-time students and students financially supported by the University must propose prior to the end of their second term in the program

by the first Monday in November in the Fall term, or the first Monday in April in the Spring term.

Scheduling of the thesis proposal is done by each applicant through the department academic advisor.

Proposals (and re-proposals) can be scheduled Monday-Friday, with starting times between 8:00 a.m. and 4:00 p.m., during the Fall and Spring terms.

Proposals cannot be presented during Summer sessions, vacations, reading days, weekends, or final examination periods (nor over spring break or inter-term breaks).

Two hours should be allocated for the thesis proposal presentation and questions.

Presentation

Proposals are preceded by the distribution of a 5 to 10 page (10 page suggested maximum for text) written description of the thesis project to the thesis committee.

A one page abstract must be posted and distributed to all EAS faculty members at least seven calendar days prior to presentation, and a copy of the full proposal filed with the department academic advisor at that time.

The proposal abstract must contain the title, time and place of the proposal, and the names of the committee members.

The thesis advisor and at least one other member of the committee must initial the abstract prior to posting, indicating that they approve of the presentation of the proposal.

Upon successful presentation of the proposal, a copy of the complete proposal with the thesis advisor's signature indicating approval must be placed in the student's permanent academic file.

Thesis Defense

Upon completion of the research and the writing of a thesis deemed acceptable by the thesis committee, a defense of the thesis is scheduled by the student.



A public defense of the complete thesis research will be presented to the faculty-at-large and may be attended by any other interested parties.

Preparation

An abstract, which lists the time and place of the defense, **must** be distributed to the department faculty and posted publicly at least seven calendar days prior to the scheduled date.

The thesis advisor and at least one other departmental committee member must initial the notice of defense, thus indicating that they approve of the defense.

An unbound copy of the thesis draft, including all illustrations, **must** be made available in the EAS office at least seven calendar days prior to the defense date for inspection by the EAS faculty.

Scheduling

M.S. defenses can be scheduled Monday-Friday during the Spring, Summer, and Fall terms with starting times between 8:00 a.m. and 4:00 p.m.

Defenses cannot be given during vacations, reading days, weekends, or final examination periods (nor over spring break or inter-term breaks).

Scheduling of defenses is done through the department academic advisor.

Decisions

A vote to pass by a majority of the thesis committee is required for successful defense of the thesis.

Once approved by the committee, the thesis must be submitted to the NSM Office of Academic Affairs no later than the deadline posted on the College website each term.

Geology, MS

College of Natural Sciences and Mathematics > Department of Earth and Atmospheric Sciences > Geology, MS

The Department of Earth and Atmospheric Sciences (EAS) will provide all of its students with educational programs that encompass the fundamental principles of the geosciences and the body of knowledge associated with the application of these principles to the study of the Earth and planetary materials. Masters-level students will receive specialized instruction in the acquisition, processing, and interpretation of geoscience data and the application of geoscience methods to problem-solving. Students successfully completing the MS program will be prepared for a career as a professional geoscientist and prepared to pursue a more advanced degree.

For further information, please visit <http://www.uh.edu/nsm/earth-atmospheric/>.

Admission Requirements

Admission to our graduate program is based on a competitive selection process. Meeting the minimum requirements published does not guarantee admission to our program.

Candidates for the Master's of Science in Geology are required to have successfully completed a Bachelor's of Science in Geology equivalent to one at the University of Houston.

A complete graduate school application (link: www.uh.edu/graduate-school/admissions/how-to-apply) must be submitted.

Scores from the General GRE examination taken in the last 5 years are optional.

Individuals with a lower cumulative GPA may be admitted conditionally.

Letters of recommendation are also given considerable weight in the evaluation process.

Students who did not earn a prior degree from a U.S. institution or a country where English is the medium of instruction (see list in the General Admission Policy) must meet minimum test scores to demonstrate English language proficiency.

Visit International Students to learn more.

The admissions committee and the department chair will evaluate the credentials of each applicant for the MS program, considering a broad range of criteria, including:



Content of the undergraduate program and, if applicable, graduate programs and grades earned, particularly in the areas of Geosciences, Mathematics, Physics, and Chemistry

A cumulative GPA of 3.00 or better in the last 60 hours of course work.

Letters of recommendation from three (3) individuals (preferably faculty members), who are able to judge the candidate's academic abilities and potential for scholarly research.

GRE scores, if submitted (verbal, quantitative, and analytical writing; advanced GRE is recommended but optional).

English proficiency test score, when applicable.

In addition to these requirements, graduate admission may also be contingent upon a faculty advisor agreeing to supervise the applicant's research. Therefore, prospective students are strongly encouraged to contact faculty members in the applicant's field of interest prior to the application deadline.

All part-time (6.0 Credit Hours per term or less) students will be admitted into the MS non-thesis track.

Prerequisites

Candidates are expected to have the necessary science and mathematics background and should have successfully completed coursework deemed equivalent to that of the BS in Geology degree at the University of Houston.

The department will determine what deficiencies - if any - are present, and the acceptable means of removing those deficiencies (e.g. course work within and/or outside the department, directed study, research papers). Applicants with a few deficiencies can satisfy those requirements while also taking graduate courses at the University of Houston; these requirements will be listed in an offer letter should the student be admitted. It is normally recommended that a student with 6 or more deficiency courses-e.g., those whose Bachelor's degree was in another discipline-work toward a second Bachelor's degree in Geology prior to graduate work.

Degree Requirements

The Master of Science (MS) degree will be awarded after students have successfully completed requirements specified in one of the two following plans:

Plan I: Thesis Option

All students completing the thesis option must complete and defend a thesis acceptable to the department.

This option requires a **minimum of 30.0 approved Credit Hours**, to include

Formal Earth and Atmospheric Science courses (GEOL) at the 6000 level or higher **Credit Hours: 15.0**

Thesis courses (GEOL 6399 & GEOL 7399) **Credit Hours: 6.0**

Elective course **Credit Hours: 9.0**

Courses can be selected from approved courses outside the area of Earth and Atmospheric Science, but relevant to the degree program, with prior permission of the Geology Graduate Faculty Advisor.

No more than 6.0 Credit Hours of special problems courses can be counted towards the required 30.0 Credit Hour minimum.

Plan II: Non-Thesis Option

Completing a thesis is not required, but students must take additional course work and have the option of completing a capstone research project.

Students may satisfy the MS Plan II degree requirements by satisfactorily completing a **minimum of 36.0 approved Credit Hours**, to include



Formal Earth and Atmospheric Science courses (GEOL) at the 6000 level or higher **Credit Hours: 30.0**

Elective courses **Credit Hours: 6.0**

Selections should be courses at the 6000 level, or above, and can be selected from approved courses outside the area of Earth and Atmospheric Science, but relevant to the degree program, with prior permission from the Geology Graduate Faculty Advisor.

Students can petition to have a 3-hour elective course substituted for a capstone project (GEOL 7301 - Capstone project)

Note: Research hours do not count toward this degree.

After completion of 18 hours, students with a cumulative GPA of 3.40 or above and demonstrated abilities to conduct research may petition to switch to a thesis-based degree. In order to do this, the student must have an advisor and committee members willing to supervise them. The thesis research advisor, Geology Graduate Faculty Advisor, and Department Chair must sign a petition indicating approval of the change to a thesis-based MS degree and it must be filed with the department academic advisor. The student must successfully defend their thesis proposal (as outlined below) after they have completed their core course requirements and prior to completion of 27.0 Credit Hours of course credit. This change will not extend the 5-year limit to complete the MS degree.

Core Category Course Requirements

In order to ensure breadth, all MS students in Plan I are required to take 3 core courses, and students in Plan II are required to take 5 core courses, with at least one course from 3 of the 4 categories of graduate core courses. Core course substitutions must be approved by the cognizant EAS Graduate Advisor. Students are encouraged to consult with the Geology Graduate Faculty Advisor to make their selections of the remaining graduate courses. These core categories are:

Category 1 (Igneous and Metamorphic Petrology/Geochemistry)

GEOL 6386 - Igneous Petrogenesis & Plate Tectonics **Credit Hours: 3.0**

GEOL 6374 - Radiogenic Isotope Geochemistry **Credit Hours: 3.0**

GEOL 6339 - Igneous Petrology **Credit Hours: 3.0**

GEOL 6340 - Metamorphic Petrology **Credit Hours: 3.0**

GEOL 6341 - Geochemistry **Credit Hours: 3.0**

Category 2 (Sedimentary Geology/Stratigraphy)

GEOL 6380 - Sequence Stratigraphy **Credit Hours: 3.0**

GEOL 6376 - Adv Tect and Sedimentation **Credit Hours: 3.0**

GEOL 6358 - Terrigenous Depositional System **Credit Hours: 3.0**

GEOL 6363 - Carbonate Sedimentology **Credit Hours: 3.0**

GEOL 6366 - Hydrogeology **Credit Hours: 3.0**

Category 3 (Structure/Tectonics)

GEOL 6349 - Geodynamics **Credit Hours: 3.0**

GEOL 6350 - Advanced Structural Geology **Credit Hours: 3.0**

GEOL 6352 - Microtectonics **Credit Hours: 3.0**

GEOL 6378 - Basin Analysis for Petroleum Exploration **Credit Hours: 3.0**

GEOL 6382 - Plate Tectonics **Credit Hours: 3.0**

Category 4 (Applied/Analytical)



GEOL 6325 - Remote Sensing **Credit Hours: 3.0**
GEOL 6347 - Sandstone Petrography **Credit Hours: 3.0**
GEOL 6372 - Petroleum Geochemistry **Credit Hours: 3**
GEOL 6381 - Petroleum Geology **Credit Hours: 3.0**
GEOL 6388 - Geospatial Analysis and Applications **Credit Hours: 3**

Academic Policies

University Academic Policies
Academic Policies: College of Natural Sciences and Mathematics
Department/Program Academic Policies

Scholastic Requirements

Graduate students must maintain a minimum grade point average of 3.00 in all course work to be considered in good standing. Students not in good standing cannot receive a graduate degree and can be declared ineligible for support with a graduate assistantship (IA, TA or RA).

Research (Thesis) Advisor/Committee

Advisor

A formal thesis topic and thesis advisor must be chosen prior to the completion of 15.0 Credit Hours.

The student and the advisor will together plan the remainder of the student's course work.

The 30 required hours are a minimum and, for a specific area of interest, it may be necessary for the student to complete additional course work.

The initial selection of an advisor is not binding on the student or the faculty member.

The student may change his/her thesis advisor pending approval by the Geology Graduate Faculty Advisor, but it is the responsibility of the student to review his/her degree plan and prepare for potential changes in the department and/or faculty support with the new advisor.

In addition, if the student has already formally proposed their project, they may have to present another thesis proposal of their new project(s).

Committee

Students must specify a thesis committee and have the names on file in the NSM Office of Academic Affairs at least one semester prior to their graduation.

The committee must consist of

a minimum of two faculty members who have their primary appointment within EAS and one approved external member, outside of EAS, from industry, or other academia, who is acceptable to the department and approved by the College.

A faculty member with a joint appointment in the major department is considered as an outside member unless he/she chairs the committee. In this case, an additional external member outside the major department is required.

After these minimum requirements for committee members are satisfied, additional committee members may be approved from industry or academia, but at least 50% of the committee must be tenured/tenure-track faculty at the University of Houston.

Research faculty or instructional faculty may serve on thesis committees, but not chair the committees. However, a research professor may serve as a co-advisor with a tenured/tenure-track faculty.

Thesis Proposal

Students must present a thesis proposal.



Timeline and Scheduling

All full-time students and students financially supported by the University must propose prior to the end of their second term in the program.

by the first Monday in November in the Fall term, or the first Monday in April in the Spring term.

Scheduling of the thesis proposal is done by each applicant through the department academic advisor.

Proposals (and re-proposals) can be scheduled Monday-Friday, with starting times between 8:00 a.m. and 4:00 p.m., during the Fall and Spring terms.

Proposals cannot be presented during Summer terms, vacations, reading days, weekends, or final examination periods (nor over spring break or inter-semester breaks).

Two hours should be allocated for the thesis proposal presentation and questions.

Presentation

Proposals are preceded by the distribution of a 5 to 10 page (10 page suggested maximum for text) written description of the thesis project to the thesis committee.

A one page abstract must be posted and distributed to all EAS faculty members at least seven calendar days prior to presentation, and a copy of the full proposal filed with the department academic advisor at that time.

The proposal abstract must contain the title, time and place of the proposal, and the names of the committee members.

The thesis advisor and at least one other member of the committee must initial the abstract prior to posting, indicating that they approve of the presentation of the proposal.

Upon successful presentation of the proposal, a copy of the complete proposal with the thesis advisor's signature indicating approval must be placed in the student's permanent academic file.

Thesis Defense

Upon completion of the research and the writing of a thesis deemed acceptable by the thesis committee, a defense of the thesis is scheduled by the student.

A public defense of the complete thesis research will be presented to the faculty-at-large and may be attended by any other interested parties.

Preparation

An abstract, which lists the time and place of the defense, must be distributed to the department faculty and posted publicly at least seven calendar days prior to the scheduled date.

The thesis advisor and at least one other departmental committee member must initial the notice of defense, thus indicating that they approve of the defense.

An unbound copy of the thesis draft, including all illustrations, must be made available in the EAS office at least seven calendar days prior to the defense date for inspection by the EAS faculty.

Scheduling

MS defenses can be scheduled Monday-Friday during the Spring, Summer, and Fall terms with starting times between 8:00 a.m. and 4:00 p.m.

Defenses cannot be given during vacations, reading days, weekends, or final examination periods (nor over spring break or inter-semester breaks).

Scheduling of defenses is done through the department academic advisor.

Decisions

A vote to pass by a majority of the thesis committee is required for successful defense of the thesis.

Once approved by the committee, the thesis must be submitted to the NSM Office of Academic Affairs no later than the deadline posted on the College website each semester.

Geophysics, MS



The Department of Earth and Atmospheric Sciences (EAS) offers a wide range of courses leading to the Master of Science in Geophysics degree. Required core courses ensure a breadth of knowledge in the discipline including rock physics, seismic wave propagation, geophysical data analysis, and potential field methods. A wide variety of electives allows concentration in areas such as exploration, geotechnical, or environmental geophysics, solid earth geophysics, petroleum exploration, marine geophysics, earthquake seismology, and geodynamics. The typical student pursuing this degree is interested in geophysics and has a good background in the geosciences, mathematics, physics, and computing. Graduates will typically pursue careers with resource companies; geophysical service companies; various federal, state, and local government agencies; in the financial sector; in education; or will continue study to pursue a doctorate.

For more information, please see <http://www.uh.edu/nsm/earth-atmospheric/graduate/degree-programs/ms-geophysics/>.

Admission Requirements

Admission to our graduate program is based on a competitive selection process. Meeting the minimum requirements published does not guarantee admission to our program. Applicants for the Master's of Science in Geophysics are required to have

Successfully completed a Bachelor's of Science in Geophysics equivalent to one at the University of Houston.

A complete graduate school application (link: www.uh.edu/graduate-school/admissions/how-to-apply) must be submitted.

Scores from the General GRE examination taken in the last 5 years are optional.

Individuals with a lower cumulative GPA *may* be admitted conditionally.

Letters of recommendation are also given considerable weight in the evaluation process.

Students who did not earn a prior degree from a U.S. institution or a country where English is the medium of instruction (see list in the General Admission Policy) must meet minimum test scores to demonstrate English language proficiency.

Visit <http://www.uh.edu/graduate-school/international-students/> to learn more.

The admissions committee and the department chair will evaluate the credentials of each applicant for the MS program, considering a broad range of criteria, including:

Content of the undergraduate program and, if applicable, graduate programs and grades earned, particularly in the areas of Geosciences, Mathematics, Physics, and Chemistry.

A cumulative GPA of 3.00 or better in the last 60 hours of course work.

Letters of recommendation from three (3) individuals (preferably faculty members), who are able to judge the candidate's academic abilities and potential for scholarly research.

GRE scores, if submitted (verbal, quantitative, and analytical writing: advanced GRE is recommended but optional)

English proficiency test scores, if applicable.

In addition to these requirements, graduate admission may also be contingent upon a faculty advisor agreeing to supervise the applicant's research. Therefore, prospective students are strongly encouraged to contact faculty members in the applicant's field of interest prior to the application deadline.

Part-time students (6.0 Credit Hours per term or less) will be only admitted into the MS non-thesis track.

Prerequisites

Candidates are expected to have the necessary science and mathematics background and should have successfully completed coursework deemed equivalent to courses in the B.S. in Geophysics degree at the University of Houston.

The department will determine what deficiencies - if any - are present, and the acceptable means of removing those deficiencies (e.g. course work within and/or outside the department, directed study, research papers). Waivers of requirements will be considered on an individual basis. Applicants with a few deficiencies can satisfy those requirements while also taking graduate courses at the University of Houston. It is normally recommended that a student with 6 or more deficiency courses, e.g., those whose Bachelor's degree is in another discipline, consider working toward a second Bachelor's degree in Geophysics prior to graduate work.



Degree Requirements

The Master of Science (MS) degree will be awarded after students have successfully completed requirements specified in one of the two following plans:

Plan I: Thesis Option

All students completing the thesis option must complete and defend a thesis acceptable to the department.

This option requires a **minimum of 30.0 approved Credit Hours**, to include

Formal Earth and Atmospheric Science courses (GEOL) at the 6000 level or higher **Credit Hours: 15.0**

Thesis courses (GEOL 6399 & GEOL 7399) **Credit Hours: 6.0**

Elective courses **Credit Hours: 9.0**

Courses can be selected from approved courses outside the area of Earth and Atmospheric Science (GEOL), but relevant to the degree program, with prior permission of the Geophysics Graduate Faculty Advisor.

No more than 6.0 Credit Hours of special problems courses can be counted towards the required 30.0 Credit Hours minimum.

Plan II: Non-Thesis Option

Completing a thesis is not required, but students must take additional course work and have the option of completing a capstone research project.

Students may satisfy the MS Plan II degree requirements by satisfactorily completing a **minimum of 36.0 approved Credit Hours**, to include

Formal Earth & Atmospheric Science courses (GEOL) at the 6000 level or higher **Credit Hours: 30.0**

Elective courses **Credit Hours: 6.0**

Selections should be courses at the 6000 level, or above, and can be selected from approved courses outside the area of Earth and Atmospheric Science, but relevant to the degree program, with prior permission from the Geophysics Graduate Faculty Advisor.

Students can petition to have a 3-hour elective course substituted for a capstone project (GEOL 7301 - Capstone Project)

Note: Research hours do not count toward this degree.

After completion of 18 hours, students with a cumulative GPA of 3.40 or above and demonstrated abilities to conduct research may petition to switch to a thesis-based degree. In order to do this, the student must have an advisor and committee members willing to supervise them. The thesis research advisor, Geophysics Graduate Faculty Advisor, and Department Chair must sign a petition indicating approval of the change to a thesis-based MS degree and it must be filed with the department academic advisor. The student must successfully defend their thesis proposal (as outlined below) after they have completed their core course requirements and prior to completion of 27.0 Credit Hours of course credit. This change will not extend the 5-year limit to complete the MS degree.

Core Course Requirements

Upon completion of their program, students are expected to have breadth and a fundamental background in the essential elements Geophysics. To provide a fundamental background in the essential elements of geophysics, all MS students are required to take the courses listed below. Students are encouraged to consult with the Geophysics Graduate Faculty Advisor to make their selections of the remaining graduate courses.

GEOL 7330 - Potntl Fld Mtds-Geophys **Credit Hours: 3.0**

GEOL 7341 - Geophysical Data Processing **Credit Hours: 3**



GEOL 7333 - Seismic Wave & Ray Theory **Credit Hours: 3.0**

GEOL 7324 - Rock Physics **Credit Hours: 3.0**

Academic Policies

University Academic Policies

Academic Policies: College of Natural Sciences and Mathematics

Department/Program Academic Policies:

Scholastic Requirements

Graduate students must maintain a minimum grade point average of 3.00 in all course work to be considered in good standing. Students not in good standing cannot receive a graduate degree and can be declared ineligible for support with a graduate assistantship (IA, TA or RA).

Research (Thesis) Advisor/Committee

Advisor

A formal thesis topic and thesis advisor must be chosen prior to the completion of 15.0 Credit Hours.

The student and the advisor will together plan the remainder of the student's course work.

The 30 required hours are a minimum and, for a specific area of interest, it may be necessary for the student to complete additional course work.

The initial selection of an advisor is not binding on the student or the faculty member.

The student may change his/her thesis advisor pending approval by the Geophysics Graduate Faculty Advisor, but it is the responsibility of the student to review his/her degree plan and prepare for potential changes in the department and/or faculty support with the new advisor.

In addition, if the student has already formally proposed their project, they may have to present another thesis proposal of their new project(s).

Committee

Students must specify a thesis committee and have the names on file in the NSM Office of Academic Affairs at least one term prior to their graduation.

The committee must consist of

a minimum of two faculty members who have their primary appointment within EAS and one approved external member, outside of EAS, from industry, or other academia, who is acceptable to the department and approved by the College.

A faculty member with a joint appointment in the major department is considered as an outside member unless he/she chairs the committee. In this case, an additional external member outside the major department is required.

After these minimum requirements for committee members are satisfied, additional committee members may be approved from industry or academia, but at least 50% of the committee must be tenured/tenure-track faculty at the University of Houston.

Research faculty or instructional faculty may serve on thesis committees, but not chair the committees. However, a research professor may serve as a co-advisor with a tenured/tenured-track faculty.

Thesis Proposal

Students must present a thesis proposal.

Timeline and Scheduling



All full-time students and students financially supported by the University must propose prior to the end of their second term in the program.

by the first Monday in November in the Fall term, or the first Monday in April in the Spring term.

Scheduling of the thesis proposal is done by each applicant through the department academic advisor.

Proposals (and re-proposals) can be scheduled Monday-Friday, with starting times between 8:00 a.m. and 4:00 p.m., during the Fall and Spring terms.

Proposals cannot be presented during Summer terms, vacations, reading days, weekends, or final examination periods (nor over spring break or inter-semester breaks).

Two hours should be allocated for the thesis proposal presentation and questions.

Presentation

Proposals are preceded by the distribution of a 5 to 10 page (10 page suggested maximum for text) written description of the thesis project to the thesis committee.

A one page abstract must be posted and distributed to all EAS faculty members at least seven calendar days prior to presentation, and a copy of the full proposal filed with the department academic advisor at that time.

The proposal abstract must contain the title, time and place of the proposal, and the names of the committee members.

The thesis advisor and at least one other member of the committee must initial the abstract prior to posting, indicating that they approve of the presentation of the proposal.

Upon successful presentation of the proposal, a copy of the complete proposal with the thesis advisor's signature indicating approval must be placed in the student's permanent academic file.

Thesis Defense

Upon completion of the research and the writing of a thesis deemed acceptable by the thesis committee, a defense of the thesis is scheduled by the student.

A public defense of the complete thesis research will be presented to the faculty-at-large and may be attended by any other interested parties.

Preparation

An abstract, which lists the time and place of the defense, must be distributed to the department faculty and posted publicly at least seven calendar days prior to the scheduled date.

The thesis advisor and at least one other departmental committee member must initial the notice of defense, thus indicating that they approve of the defense.

An unbound copy of the thesis draft, including all illustrations, must be made available in the EAS office at least seven calendar days prior to the defense date for inspection by the EAS faculty.

Scheduling

MS defenses can be scheduled Monday-Friday during the Spring, Summer, and Fall terms with starting times between 8:00 a.m. and 4:00 p.m.

Defenses cannot be given during vacations, reading days, weekends, or final examination periods (nor over spring break or inter-semester breaks).

Scheduling of defenses is done through the department academic advisor.

Decisions

A vote to pass by a majority of the thesis committee is required for successful defense of the thesis.

Doctoral

Atmospheric Sciences, PhD



The Department of Earth & Atmospheric Sciences offers a wide range of courses leading to the Degree of PhD in Atmospheric Sciences. The Department will provide all its students with educational programs that encompass the fundamental principles of the atmospheric sciences and the body of knowledge associated with the application of these principles to the study of the atmosphere. PhD students will receive advanced, research-intensive instruction that concentrates upon the acquisition of new knowledge, innovative approaches to problem-solving and the dissemination of research results. Students successfully completing the PhD program will be prepared for a career as a researcher, educator, or professional atmospheric scientist.

For further information, please visit: <http://www.uh.edu/nsm/earth-atmospheric/>.

Admission Requirements

A doctoral applicant will have earned a Bachelor's or a Master's degree. Scores from the General GRE examination taken in the last 5 years are optional (verbal, quantitative, and analytical writing; advanced GRE is recommended but optional). English language proficiency test scores, such as TOEFL or IELTS, scores must be provided by applicants who did not earn a prior degree from a US institution or a country where English is the medium of instruction (see list in the General Admission Policy).

Visit <http://www.uh.edu/graduate-school/international-students/> to learn more.

The admissions committee and the department chair will evaluate the credentials of each applicant for the PhD program, considering a broad range of criteria, including

- Content of the undergraduate program and, if applicable, graduate programs and grades earned, particularly in the areas of Meteorology, Geosciences, Mathematics, Physics, Chemistry, or related natural/physical sciences.

- A cumulative GPA of 3.0 or better in the last 60 hours of course work.

- Letters of recommendation from three (3) individuals (preferably faculty members), who are able to judge the candidate's academic abilities and potential for scholarly research.

- GRE scores, if submitted (see above).

- English proficiency test scores, when applicable.

- Scientific, professional, technical publications, and a Master's Thesis (if applicable).

In addition to these requirements, graduate admission may also be contingent upon a faculty advisor agreeing to supervise the applicant. Therefore, prospective students are strongly encouraged to contact faculty members in the applicant's field of interest prior to the application deadline.

Prerequisite courses

Candidates entering the Atmospheric Science PhD program must demonstrate general proficiency in mathematics, physics, and chemistry (when atmospheric chemistry is the chosen area of specialty). Some graduate courses explicitly require prerequisite courses, or their equivalent at other institutions, as listed below:

- MATH 2331 (Linear Algebra)

- MATH 2433 (Calculus III)

- MATH 3363 (Intro. to Partial Differential Equations)

- GEOL 1302 (Introduction to Global Climate Change)

- GEOL 1350 (Introduction to Meteorology)

- GEOL 3342 (Principles of Air Pollution)

- GEOL 3378 (Principles of Atmospheric Science)

The department will determine what deficiencies - if any - are present, and the acceptable means of removing those deficiencies (e.g. course work within and/or outside the Department, directed study, research papers). Substitution of courses equivalent to those listed above as well as waivers of requirements will be considered on an individual basis. Applicants with a few deficiencies can satisfy those requirements while also taking graduate courses at the University of Houston. It is normally recommended that a student with 6 or more deficiency courses,



e.g., those whose Bachelor's degree is in another discipline, consider working toward a second Bachelor's degree in Geology prior to graduate work.

Degree Requirements

All doctoral students must have a minimum of one continuous academic year (two terms (Fall/Spring or Spring/Summer/Fall)) as a full-time student which consists of 9.0 Credit Hours per term.

A student working on a dissertation must be continuously enrolled in a minimum of 3.0 Credit Hours of doctoral research each Fall and Spring term, and in a minimum of 3.0 Credit Hours of doctoral dissertation in their final term.

Up to 6.0 Credit Hours of courses taken outside the department, but relevant to the degree program, can apply to the degree with prior approval from the Atmospheric Science Graduate Faculty Advisor.

Sequence and Timing

First year in program:

- Appropriate course work
- Removal of all deficiencies
- Establishment of PhD Research Committee

Second year in program:

- Candidacy exam
- Presenting Research and Dissertation Proposals
- Completion of all formal course work
- Initiation of research

Third and successive years:

- Conduct the proposed research
- Submit and revise papers
- Completion and defense of dissertation

Course Requirements

Credit hours required for this degree: 54.0

a) PhD students entering with a MS degree

- Formal EAS courses **Credit Hours: 18.0**
- Dissertation **Credit Hours: 6.0 - 12.0**
- The remaining hours may include Coursework, Doctoral Research, Seminars and Special Problems

b) PhD students entering with a Bachelor's degree

- Formal EAS elective courses **Credit Hours: 15.0**
- EAS Core Category Course Selections **Credit Hours: 9.0**
- Dissertation **Credit Hours: 6.0 - 12.0**
- The remaining hours may include Coursework, Doctoral Research, Seminars and Special Problems



Core Categories

9.0 Credit Hours comprised of 3.0 Credit Hours from each category. Course substitutions may be allowed on an individual basis, with prior approval from the Atmospheric Sciences Graduate Faculty Advisor.

Category 1 (Atmospheric Dynamics and Physics)

- GEOL 6337 - Atmospheric Physics **Credit Hours: 3.0**
- GEOL 6336 - Boundary Layers and Turbulence **Credit Hours: 3.0**
- GEOL 6330 - Dynamic Meteorology **Credit Hours: 3**
- GEOL 6327 - Atmospheric Radiation **Credit Hours: 3.0**
- GEOL 6397 - Selected Topics in Geology **Credit Hours: 3.00**
Topic: Mesoscale Meteorology

Category 2 (Atmospheric Chemistry)

- GEOL 6327 - Atmospheric Radiation **Credit Hours: 3.0**
- GEOL 6332 - Air Pollution Meteorology **Credit Hours: 3.0**
- GEOL 6334 - Atmospheric Chemistry **Credit Hours: 3**
- GEOL 6370 - Atmospheric Biogeochemistry **Credit Hours: 3.0**

Category 3 (Atmospheric Measurement and Modeling)

- GEOL 6325 - Remote Sensing **Credit Hours: 3.0**
- GEOL 6335 - Atmospheric Numerical Modeling **Credit Hours: 3.0**
- GEOL 6329 - Atm Instrument & Measurement **Credit Hours: 3.0**
- GEOL 6328 - Atmospheric Data Analysis and Statistics **Credit Hours: 3**

Academic Policies

University Academic Policies
Academic Policies: College of Natural Sciences and Mathematics

Department/Program Policies

Scholastic Requirement

Graduate students must maintain a minimum grade point average of 3.0 in all course work to be considered in good standing. Students not in good standing cannot receive a graduate degree and can be declared ineligible for support with a graduate assistantship (IA, TA or RA).

Research (Dissertation) Advisor/Research Committee

PhD applicants are encouraged to formulate their dissertation committee promptly in order to ensure proper guidance throughout their research.

Doctoral students' dissertation committees must be comprised of a minimum of four members to include three faculty members who have their primary appointment within EAS and one approved member external to the major department from industry or academia who is acceptable to the department and approved by the college.



A faculty member with a joint appointment in EAS is considered as an outside member unless he/she chairs the committee. In this case, an additional external member outside the major department is required.

After these minimum requirements for committee members are satisfied, additional committee members may be approved from industry or academia, but at least 50% of the committee must be tenured/tenure-track faculty at the University of Houston.

Research faculty or instructional faculty may serve on dissertation committees, but not chair the committees. However, a research professor may serve as a co-advisor with a tenured/tenure-track faculty.

Candidates must specify a dissertation committee and have the names on file in the NSM Office of Academic Affairs at least one term prior to their graduation.

Candidacy

To become a candidate for the doctoral degree a student must meet a set of requirements established by the EAS Department. For all EAS doctoral aspirants, there are two options available to attain candidacy. It is the responsibility of the dissertation advisor to notify the department academic advisor and applicable graduate advisor which path to candidacy the graduate student will undertake by the end of the term preceding the candidacy exam or paper submission (Candidacy Options 1 and 2, respectively. See below).

Candidacy Option 1 - Oral Exam and Proposal:

A five-member examining committee will administer a written exam, approximately four hours in length, given during the seventh to eighth week of each term.

It will test the breadth of the candidate's knowledge within their discipline.

The student must pass the candidacy examination before proceeding to the dissertation proposal.

Approval by a majority of the members of the examining committee is required for the student to pass the examination.

At the discretion of the examining committee, a student who fails the general examination can be permitted to re-take it; however, the exam cannot be taken more than twice by the applicant.

Re-examination will take place within one (1) month of the initial examination.

All candidacy and proposal requirements must be completed by the end of the fourth term in the program.

Candidacy Option 2 - Manuscript Submission and Proposal:

Submission of a manuscript to an Institute for Scientific Information (ISI)-indexed, peer-reviewed journal by the sixth week of the fourth term in the program and approval of an oral and written PhD proposal.

Research work for the manuscript must have been completed at UH. This timing implies that the student is full-time and supported as a Research Assistant (RA) or Teaching Assistant (TA).

In order to proceed along this pathway for the PhD, the dissertation advisor and research committee must agree that the candidate has produced a publishable manuscript capable of passing a rigorous external peer review for a scientific journal and has completed and successfully defended a research proposal.

Prior to the presentation of the dissertation proposal, the manuscript must be submitted to a peer-reviewed journal.

The oral proposal of the dissertation must be presented before the end of the fourth term.

Dissertation Proposal

The oral dissertation proposal will be given during the term in which the candidacy exam has been successfully completed (Candidacy Option 1) or the manuscript has been submitted to an approved peer-reviewed journal (i.e. before the end of the fourth term) (Candidacy Option 2).

Scheduling for Presentation of Proposal

PhD proposals can take place Monday-Friday, with starting times between 8:00 a.m. and 4:00 p.m., during the Fall and Spring terms.

The proposal must be presented by the first Monday in November in the Fall term, or the first Monday in April in the Spring term.

Proposals cannot be presented during Summer terms, vacations, reading days, weekends, or final examination periods (nor over spring break or inter-term breaks).

A minimum of two hours should be allocated for the dissertation proposal presentation and questions.

Preparation for Presentation



Proposal presentations are preceded by the distribution of a research committee approved 5 to 10 page (10 page maximum for text) written description of the dissertation project.

A one-page abstract must be posted and distributed to all faculty members at least seven calendar days prior to presentation and a copy of the full proposal filed with the department academic advisor at that time.

The proposal abstract must contain the title, time and place of the proposal, and the names of the committee members.

The dissertation advisor and at least one other member of the committee must initial the abstract prior to posting, thus indicating that they approve of the presentation of the proposal.

Presentation

The oral presentation, approximately 30 to 45 minutes long, will be followed by a period during which all present can ask questions of the student related to the suitability and feasibility of the project, as well as the student's ability to perform the research.

All faculty present can participate in the deliberations.

Proposal Decisions

All EAS faculty, as well as other committee members present, may vote on the success or failure of the student's performance in the dissertation proposal.

Approval by a majority of those voting is needed to pass the proposal. Upon successful presentation of the dissertation proposal, the student will be granted PhD candidacy status.

Upon successful presentation of the proposal, a copy of the complete proposal with the dissertation advisor's signature indicating approval of the proposal as originally presented or modified must be placed in the student's permanent academic file.

The examining committee, at their discretion, can allow a student who failed the dissertation proposal to re-propose, this, however, can be done no more than once.

The second presentation must take place within 30 calendar days of the initial presentation.

Dissertation Defense

A public oral defense of the completed dissertation research will be presented to the faculty-at-large and may be attended by any other interested parties.

Format of Dissertation

The format of the dissertation must follow NSM guidelines.

Questions pertaining to specific requirements should be addressed to the appropriate advisor.

Prior to Defense of the dissertation,

the student will submit at least one (1) completed manuscript, based on the dissertation research, to a peer-reviewed journal. This manuscript must have been judged publication-ready by the dissertation advisor and at least one other faculty member on the dissertation committee prior to submission.

For the defense, an abstract, which lists the time and place of the defense, must be distributed to the EAS faculty and posted publicly at least seven calendar days prior to the scheduled date for the defense.

The dissertation advisor and at least one other committee member must initial the notice of defense, indicating approval of the defense.

An unbound copy of the final draft of the dissertation, including all illustrations, must be made available in the EAS department office at least seven calendar days prior to the defense date for inspection by the EAS faculty.

Scheduling for Defense

PhD defenses can be given Monday-Friday during the Fall, Spring, and Summer terms with starting times between 8:00 a.m. and 4:00 p.m.

Defenses cannot be given during vacations, reading days, weekends, or final examination periods (nor over spring break or inter-term breaks).

Scheduling of defenses is done through the department academic advisor.

Defense Decisions

A positive vote by a majority of the dissertation committee is required for successful defense of the dissertation.

If the student does not complete and successfully defend the PhD dissertation within five years after passing the candidacy examination, retaking of the candidacy examination may be required.



Once approved by the committee, the dissertation must be submitted to the NSM Office of Academic Affairs no later than the deadline posted on the College website each term.

Geology, PhD

The Department of Earth and Atmospheric Sciences (EAS) will provide all its students with educational programs that encompass the fundamental principles of the geosciences and the body of knowledge associated with the application of these principles to the study of the Earth and planetary materials. PhD students will receive advanced, research-intensive instruction that concentrates upon the acquisition of new knowledge, innovative approaches to problem-solving, and the dissemination of research results. Students successfully completing the PhD program will be prepared for a career as a researcher, educator, or professional geoscientist.

For more information please see <http://www.uh.edu/nsm/earth-atmospheric>.

Admission Requirements

Applicant will have earned a Bachelor's or a Master's degree

Scores from the General GRE examination taken in the last 5 years are optional (verbal, quantitative, and analytical writing; advanced GRE is recommended but optional)

English language proficiency test scores, such as TOEFL or IELTS scores, must be provided by applicants who did not earn a prior degree from a US institution or a country where English is the medium of instruction (see list in the General Admission Policy).

Visit <http://www.uh.edu/graduate-school/international-students/> to learn more.

The admissions committee and the department chair will evaluate the credentials of each applicant for the Ph.D. program, considering a broad range of criteria, including:

Content of the undergraduate program and, if applicable, graduate programs and grades earned, particularly in the areas of Geosciences, Mathematics, Physics, and Chemistry.

A cumulative GPA of 3.00 or better in the last 60 hours of course work.

Letters of recommendation from three (3) individuals (preferably faculty members), who are able to judge the candidate's academic abilities and potential for scholarly research.

GRE scores, if submitted (see above).

English proficiency test scores, when applicable.

Scientific, professional, technical publications, and Master's Thesis (if applicable).

In addition to these requirements, graduate admission may also be contingent upon a faculty advisor agreeing to supervise the applicant. Therefore, prospective students are strongly encouraged to contact faculty members in the applicant's field of interest prior to the application deadline.

Prerequisite Courses

Candidates entering the Geology PhD program must demonstrate general proficiency in mathematics, physics, and chemistry. Some graduate courses explicitly require prerequisite courses to be successful.

The department will determine what deficiencies -if any - are present, and the acceptable means of removing those deficiencies (e.g. course work within and/or outside the department, directed study, research papers). Waivers of requirements will be considered on an individual basis. Applicants with a few deficiencies can satisfy those requirements while also taking graduate courses at the University of Houston.

Degree Requirements



All doctoral students must have a minimum of one continuous academic year (two terms (Fall/Spring or Spring/Summer/Fall)) as a full-time student which consists of 9.0 Credit Hours per term.

A student working on a dissertation must be continuously enrolled in a minimum of 3.0 Credit Hours of doctoral research each Fall and Spring term, and in a minimum of 3.0 Credit Hours of doctoral dissertation in their final term.

Up to 6.0 Credit Hours of courses taken outside the department, but relevant to the degree program, can apply to the degree with prior approval from the Geology Graduate Faculty Advisor.

Sequence and Timing

First year in program:

- Appropriate course work
- Removal of all deficiencies
- Establishment of PhD Research Committee

Second year in program:

- Candidacy exam
- Presenting Research and Dissertation
- Completion of all formal course work
- Initiation of research

Third year in program:

- Conduct the proposal research
- Submit revise papers
- Completion and defense dissertation

Course Requirements

Credit hours required for this degree: 54.0

a) PhD students entering with a MS degree

- Formal EAS courses **Credit Hours: 18.0**
- Dissertation **Credit Hours: 6.0 - 12.0**
- The remaining hours may include Coursework, Doctoral Research, Seminars and Special Problems

b) PhD students entering with a Bachelor's degree

- Formal EAS elective courses **Credit Hours: 15.0**
- EAS Core Category Course Selections **Credit Hours: 9.0**
- Dissertation **Credit Hours: 6.0 - 12.0**
- The remaining hours may include Coursework, Doctoral Research, Seminars and Special Problems

Core Category Course Requirements

9.0 Credit Hours *comprised of 3.0 Credit Hours maximum from three of the four categories with no more than 3.0 Credit Hours in any category. Course substitutions may be allowed on an individual basis, with prior approval from the Geology Graduate Faculty Advisor.*



Most of these courses are offered in Fall or Spring terms, in alternate years.

Category 1 (Igneous and Metamorphic Petrology/Geochemistry)

- GEOL 6339 - Igneous Petrology **Credit Hours: 3.0**
- GEOL 6340 - Metamorphic Petrology **Credit Hours: 3.0**
- GEOL 6341 - Geochemistry **Credit Hours: 3.0**
- GEOL 6374 - Radiogenic Isotope Geochemistry **Credit Hours: 3.0**
- GEOL 6386 - Igneous Petrogenesis & Plate Tectonics **Credit Hours: 3.0**

Category 2 (Sedimentary Geology/Stratigraphy)

- GEOL 6358 - Terrigenous Depositional System **Credit Hours: 3.0**
- GEOL 6363 - Carbonate Sedimentology **Credit Hours: 3.0**
- GEOL 6366 - Hydrogeology **Credit Hours: 3.0**
- GEOL 6376 - Adv Tect and Sedimentation **Credit Hours: 3.0**
- GEOL 6380 - Sequence Stratigraphy **Credit Hours: 3.0**

Category 3 (Structure/Tectonics)

- GEOL 6349 - Geodynamics **Credit Hours: 3.0**
- GEOL 6350 - Advanced Structural Geology **Credit Hours: 3.0**
- GEOL 6378 - Basin Analysis for Petroleum Exploration **Credit Hours: 3.0**
- GEOL 6352 - Microtectonics **Credit Hours: 3.0**
- GEOL 6382 - Plate Tectonics **Credit Hours: 3.0**

Category 4 (Applied/Analytical)

- GEOL 6325 - Remote Sensing **Credit Hours: 3.0**
- GEOL 6347 - Sandstone Petrography **Credit Hours: 3.0**
- GEOL 6372 - Petroleum Geochemistry **Credit Hours: 3**
- GEOL 6381 - Petroleum Geology **Credit Hours: 3.0**
- GEOL 6388 - Geospatial Analysis and Applications **Credit Hours: 3**

Academic Policies

- University Academic Policies
- Academic Policies: College of Natural Sciences and Mathematics
- Department/Program Academic Policies:

Scholastic Requirements

- Graduate students must maintain a minimum grade point average of 3.00 in all course work to be considered in good standing.
- Students not in good standing cannot receive a graduate degree and can be declared ineligible for support with a graduate assistantship (IA, TA, RA/TE or RA).
- Graduate students who receive grades of C+ or lower in 12 or more semester hours of course work attempted for graduate credit are ineligible for any advanced degree at this institution.
- Semester hours of "U" grades in S/U-graded courses apply toward the above 12-hour total.



Research (Dissertation) Advisor/Research Committee

Ph.D. applicants are encouraged to formulate their dissertation committee promptly in order to ensure proper guidance throughout their research.

Committee Composition

Doctoral students' dissertation committees must be comprised of:

a minimum of four members to include three faculty members who have their primary appointment within EAS one approved member external to the major department from industry or academia who is acceptable to the department and approved by the college.

A faculty member with a joint appointment in EAS is considered as an outside member unless he/she chairs the committee. In this case, an additional external member outside the major department is required.

After these minimum requirements for committee members are satisfied, additional committee members may be approved from industry or academia, but at least 50% of the committee must be tenured/tenure-track faculty at the University of Houston.

Research faculty or instructional faculty may serve on dissertation committees, but not chair the committees. However, a research professor may serve as a co-advisor with a tenured/tenure-track faculty.

Candidates must specify a dissertation committee and have the names on file in the NSM Office of Academic Affairs at least one term prior to their graduation.

Candidacy

To become a candidate for the doctoral degree a student must meet a set of requirements established by the EAS Department. For all EAS doctoral aspirants, there are two options available to attain candidacy. It is the responsibility of the dissertation advisor to notify the department academic advisor and applicable graduate advisor which path to candidacy the graduate student will undertake by the end of the term preceding the candidacy exam or paper submission (Candidacy Options 1 and 2, respectively. See below).

Candidacy Option 1 - Qualifying Exam and Proposal:

A five member examining committee will administer a written exam, approximately 4 hours in length, given during the seventh to eighth week of each term.

It will test the breadth of the candidate's knowledge within their discipline.

Approval by a majority of the members of the examining committee is required for the student to pass the examination.

At the discretion of the examining committee, a student who fails the general examination can be permitted to re-take it; however, the exam cannot be taken more than twice by the applicant.

Re-examination will take place within one (1) month of the initial examination.

The student must pass the candidacy examination before proceeding to the dissertation proposal.

All candidacy and proposal requirements must be completed by the end of the 4th term in the program.

Candidacy Option 2 - Manuscript Submission and Proposal:

Submission of a manuscript to an Institute for Scientific Information (ISI)-indexed, peer-reviewed journal by the 6th week of the fourth term in the program and approval of an oral and written Ph.D. proposal.

Research work for the manuscript must have been completed at UH. This timing implies that the student is full-time and supported as a Research Assistant (RA) or Teaching Assistant (TA).

In order to proceed along this pathway for the Ph.D., the dissertation advisor and research committee must agree that the candidate has produced a publishable manuscript capable of passing a rigorous external peer-review for a scientific journal and has completed and successfully defended a research proposal.

Prior to the presentation of the dissertation proposal, the manuscript must be submitted to a peer-reviewed journal.

The oral proposal of the dissertation must be presented before the end of the 4th semester.

Dissertation Proposal



The oral dissertation proposal will be given during the semester in which the candidacy exam has been successfully completed (Candidacy Option 1) or the manuscript has been submitted to an approved peer-reviewed journal (i.e. before the end of the fourth semester) (Candidacy Option 2).

Scheduling for Presentation of Proposal

PhD proposals can take place Monday-Friday, with starting times between 8:00 a.m. and 4:00 p.m., during the Fall and Spring terms.

The proposal must be presented by the first Monday in November in the Fall term, or the first Monday in April in the Spring term.

Proposals cannot be presented during Summer terms, vacations, reading days, weekends, or final examination periods (nor over spring break or inter-term breaks).

A minimum of two hours should be allocated for the dissertation proposal presentation and questions.

Preparation for Presentation

Proposal presentations are preceded by the distribution of a research committee approved 5 to 10 page (10 page maximum for text) written description of the dissertation project.

A one-page abstract must be posted and distributed to all faculty members at least seven calendar days prior to presentation and a copy of the full proposal filed with the department academic advisor at that time.

The proposal abstract must contain the title, time and place of the proposal, and the names of the committee members.

The dissertation advisor and at least one other member of the committee must initial the abstract prior to posting, thus indicating that they approve of the presentation of the proposal.

Presentation

The oral presentation, approximately 30 to 45 minutes long, will be followed by a period during which all present can ask questions of the student related to the suitability and feasibility of the project, as well as the student's ability to perform the research.

All faculty present can participate in the deliberations.

Proposal Decisions

All EAS faculty, as well as other committee members present, may vote on the success or failure of the student's performance in the dissertation proposal.

Approval by a majority of those voting is needed to pass the proposal. Upon successful presentation of the dissertation proposal, the student will be granted PhD candidacy status.

Upon successful presentation of the proposal, a copy of the complete proposal with the dissertation advisor's signature indicating approval of the proposal as originally presented or modified must be placed in the student's permanent academic file.

The examining committee, at their discretion, can allow a student who failed the dissertation proposal to re-propose, this, however, can be done no more than once.

The second presentation must take place within 30 calendar days of the initial presentation.

Dissertation Defense

A public oral defense of the completed dissertation research will be presented to the faculty-at-large and may be attended by any other interested parties.

Format of Dissertation

The format of the dissertation must follow NSM guidelines.

Questions pertaining to specific requirements should be addressed to the appropriate advisor.

Prior to Defense of the dissertation,

Students that have used option 1 will submit at least two manuscripts, based on the dissertation research, to a qualified journal. Students that used candidacy option 2 will have a manuscript accepted and another submitted to qualified journals.



This manuscript must have been judged publication-ready by the dissertation advisor and at least one other faculty member on the dissertation committee prior to submission.

For the defense, an abstract, which lists the time and place of the defense, must be distributed to the EAS faculty and posted publicly at least seven calendar days prior to the scheduled date for the defense.

The dissertation advisor and at least one other committee member must initial the notice of defense, indicating approval of the defense.

An unbound copy of the final draft of the dissertation, including all illustrations, must be made available in the EAS department office at least seven calendar days prior to the defense date for inspection by the EAS faculty.

Scheduling for Defense

PhD defenses can be given Monday-Friday during the Fall, Spring, and Summer terms with starting times between 8:00 a.m. and 4:00 p.m.

Defenses cannot be given during vacations, reading days, weekends, or final examination periods (nor over spring break or inter-term breaks).

Scheduling of defenses is done through the department academic advisor.

Defense Decisions

A positive vote by a majority of the dissertation committee is required for successful defense of the dissertation.

If the student does not complete and successfully defend the PhD dissertation within five years after passing the candidacy examination, retaking of the candidacy examination may be required.

Once approved by the committee, the dissertation must be submitted to the NSM Office of Academic Affairs no later than the deadline posted on the College website each term.

Geophysics, PhD

The Department of Earth and Atmospheric Sciences (EAS) offers a wide range of courses leading to the degree of Doctor of Philosophy in Geophysics. A wide variety of electives allows concentration in areas such as exploration, geotechnical, or environmental geophysics, solid earth geophysics, petroleum exploration, marine geophysics, earthquake seismology, and geodynamics. The typical student pursuing this degree is interested in geophysics and has a good background in the geosciences, mathematics, physics, and computing. Graduates will typically pursue careers with resource companies, geophysical service companies, various federal, state, and local government agencies, in the financial sector, or in education/academia.

For more information, please visit: <http://www.uh.edu/nsm/earth-atmospheric/graduate/degree-programs/phd-geophysics/>.

Admission Requirements

Applicant will have earned a Bachelor's or a Master's degree

Scores from the General GRE examination taken in the last 5 years are optional (verbal, quantitative, and analytical writing; advanced GRE is recommended but optional)

English language proficiency test scores, such as TOEFL or IELTS scores must be provided by applicants who did not earn a prior degree from a US institution or a country where English is the medium of instruction (see list in the General Admission Policy).

Visit <http://www.uh.edu/graduate-school/international-students/> to learn more.

The admissions committee and the department chair will evaluate the credentials of each applicant for the PhD program, considering a broad range of criteria, including:

Content of the undergraduate program and, if applicable, graduate programs and grades earned, particularly in the areas of Geosciences, Mathematics, Physics, and Chemistry.

A cumulative GPA of 3.0 or better in the last 60 hours of course work

Letters of recommendation from three (3) individuals (preferably faculty members), who are able to judge the candidate's academic abilities and potential for scholarly research.



GRE scores, if submitted (see above).

English proficiency test scores, when applicable.

Scientific, professional, technical publications, and Master's Thesis (if applicable).

In addition to these requirements, graduate admission may also be contingent upon a faculty advisor agreeing to supervise the applicant. Therefore, prospective students are strongly encouraged to contact faculty members in the applicant's field of interest prior to the application deadline.

Deficiencies

Candidates in the Geophysics PhD program must demonstrate general proficiency in mathematics, physics, and geology. Some graduate courses explicitly require prerequisite courses.

The department will determine what deficiencies -if any - are present, and the acceptable means of removing those deficiencies (e.g. course work within and/or outside the department, directed study, research papers). Waivers of requirements will be considered on an individual basis. Applicants with a few deficiencies can satisfy those requirements while also taking graduate courses at the University of Houston.

Degree Requirements

All doctoral students must have a minimum of one continuous academic year (two terms (Fall/Spring or Spring/Summer/Fall)) as a full-time student which consists of 9.0 Credit Hours per term.

A student working on a dissertation must be continuously enrolled in a minimum of 3.0 Credit Hours of doctoral research each Fall and Spring term, and in a minimum of 3.0 Credit Hours of doctoral dissertation in their final term.

Up to 6.0 Credit Hours of courses taken outside the department, but relevant to the degree program, can apply to the degree with prior approval from the Geophysics Graduate Faculty Advisor.

Course Requirements

Credit hours required for this degree: 54.0

a) PhD students entering with a MS degree

Formal EAS courses **Credit Hours: 18.0**

Dissertation **Credit Hours: 6.0 - 12.0**

The remaining hours may include Coursework, Doctoral Research, Seminars, and Special Problems

b) PhD students entering with a Bachelor's degree

Formal EAS elective courses **Credit Hours: 12.0**

EAS Core Courses **Credit Hours: 12.0** (see list below)

Dissertation **Credit Hours: 6.0 - 12.0**

The remaining hours may include Coursework, Doctoral Research, Seminars and Special Problems

Students are encouraged to consult with the Geophysics Graduate Faculty Advisor to make their selections of graduate courses.

EAS Core Courses

To provide a fundamental background in the essential elements of geophysics, all PhD students entering with a Bachelor's degree are required to take the following 4 courses:



GEOL 7324 - Rock Physics **Credit Hours: 3.0**
GEOL 7330 - Potntl Fld Mtds-Geophys **Credit Hours: 3.0**
GEOL 7333 - Seismic Wave & Ray Theory **Credit Hours: 3.0**
GEOL 7341 - Geophysical Data Processing **Credit Hours: 3**

Course substitutions may be allowed on an individual basis, with prior approval from the Geophysics Graduate Faculty Advisor.

Sequence and Timing

First year in program:

- Appropriate course work
- Removal of all deficiencies
- Establishment of Ph.D. Research Committee

Second year in program:

- Candidacy exam
- Presenting Research and Dissertation Proposals
- Completion of all formal course work
- Initiation of research

Third and successive years:

- Conduct the proposed research
- Submit revised papers
- Completion and defense of dissertation

Academic Policies

- University of Houston Academic Policies
- Academic Policies: College of Natural Sciences and Mathematics
- Department/Program Academic Policies:

Scholastic Requirement

Graduate students must maintain a minimum grade point average of 3.00 in all course work to be considered in good standing.

Students not in good standing cannot receive a graduate degree and can be declared ineligible for support with a graduate assistantship (IA, TA, RA/TE or RA).

Graduate students who receive grades of C+ or lower in 12 or more semester hours of course work attempted for graduate credit are ineligible for any advanced degree at this institution.

Semester hours of "U" grades in S/U-graded courses apply toward the above 12-hour total.

Research (Dissertation) Advisor/Research Committee

Ph.D. applicants are encouraged to formulate their dissertation committee promptly in order to ensure proper guidance throughout their research.

Committee Composition

Doctoral students' dissertation committees must be comprised of:



a minimum of four members to include three faculty members who have their primary appointment within EAS one approved member external to the major department from industry or academia who is acceptable to the department and approved by the college.

A faculty member with a joint appointment in EAS is considered as an outside member unless he/she chairs the committee. In this case, an additional external member outside the major department is required.

After these minimum requirements for committee members are satisfied, additional committee members may be approved from industry or academia, but at least 50% of the committee must be tenured/tenure-track faculty at the University of Houston.

Research faculty or instructional faculty may serve on dissertation committees, but not chair the committees. However, a research professor may serve as a co-advisor with a tenured/ tenure-track faculty.

Candidates must specify a dissertation committee and have the names on file in the NSM Office of Academic Affairs at least one semester prior to their graduation.

Candidacy

To become a candidate for the doctoral degree a student must meet a set of requirements established by the EAS Department. For all EAS doctoral aspirants, there are two options available to attain candidacy. It is the responsibility of the dissertation advisor to notify the department academic advisor and applicable graduate advisor which path to candidacy the graduate student will undertake by the end of the term preceding the candidacy exam or paper submission (Candidacy Options 1 and 2, respectively. See below).

Candidacy Option 1 - Qualifying Exam and Proposal:

A five-member examining committee will administer a written exam, approximately 4 hours in length, given during the seventh to eighth week of each term.

It will test the breadth of the candidate's knowledge within their discipline.

Approval by a majority of the members of the examining committee is required for the student to pass the examination.

At the discretion of the examining committee, a student who fails the general examination can be permitted to re-take it; however, the exam cannot be taken more than twice by the applicant.

Re-examination will take place within one (1) month of the initial examination.

The student must pass the candidacy examination before proceeding to the dissertation proposal.

All candidacy and proposal requirements must be completed by the end of the 4th term in the program.

Candidacy Option 2 - Manuscript Submission and Proposal:

Submission of a manuscript to an Institute for Scientific Information (ISI)-indexed, peer-reviewed journal by the 6th week of the fourth semester in the program and approval of an oral and written Ph.D. proposal.

Research work for the manuscript must have been completed at UH. This timing implies that the student is full- time and supported as a Research Assistant (RA) or Teaching Assistant (TA).

In order to proceed along this pathway for the Ph.D., the dissertation advisor and research committee must agree that the candidate has produced a publishable manuscript capable of passing a rigorous external peer review for a scientific journal and has completed and successfully defended a research proposal.

Prior to the presentation of the dissertation proposal, the manuscript must be submitted to a peer-reviewed journal.

The oral proposal of the dissertation must be presented before the end of the 4th term.

Dissertation Proposal

The oral dissertation proposal will be given during the term in which the candidacy exam has been successfully completed (Candidacy Option 1) or the manuscript has been submitted to an approved peer-reviewed journal (i.e. before the end of the fourth term) (Candidacy Option 2).

Scheduling for Presentation of Proposal

PhD proposals can take place Monday-Friday, with starting times between 8:00 a.m. and 4:00 p.m., during the Fall and Spring terms.



The proposal must be presented by the first Monday in November in the Fall term, or the first Monday in April in the Spring term.

Proposals cannot be presented during Summer terms, vacations, reading days, weekends, or final examination periods (nor over spring break or inter-semester breaks).

A minimum of two hours should be allocated for the dissertation proposal presentation and questions.

Preparation for Presentation

Proposal presentations are preceded by the distribution of a research committee approved 5 to 10 page (10 page maximum for text) written description of the dissertation project.

A one-page abstract must be posted and distributed to all faculty members at least seven calendar days prior to presentation and a copy of the full proposal filed with the department academic advisor at that time.

The proposal abstract must contain the title, time and place of the proposal, and the names of the committee members.

The dissertation advisor and at least one other member of the committee must initial the abstract prior to posting, thus indicating that they approve of the presentation of the proposal.

Presentation

The oral presentation, approximately 30 to 45 minutes long, will be followed by a period during which all present can ask questions of the student related to the suitability and feasibility of the project, as well as the student's ability to perform the research.

All faculty present can participate in the deliberations.

Proposal Decisions

All EAS faculty, as well as other committee members present, may vote on the success or failure of the student's performance in the dissertation proposal.

Approval by a majority of those voting is needed to pass the proposal. Upon successful presentation of the dissertation proposal, the student will be granted PhD candidacy status.

Upon successful presentation of the proposal, a copy of the complete proposal with the dissertation advisor's signature indicating approval of the proposal as originally presented or modified must be placed in the student's permanent academic file.

The examining committee, at their discretion, can allow a student who failed the dissertation proposal to re-propose, this, however, can be done no more than once.

The second presentation must take place within 30 calendar days of the initial presentation.

Dissertation Defense

A public oral defense of the completed dissertation research will be presented to the faculty-at-large and may be attended by any other interested parties.

Format of Dissertation

The format of the dissertation must follow NSM guidelines.

Questions pertaining to specific requirements should be addressed to the appropriate advisor.

Prior to Defense of the dissertation,

Students that have used candidacy option 1 will submit at least two manuscripts, based on the dissertation research, to a qualified journal. Students that used candidacy option 2 will have a manuscript accepted and another submitted to qualified journals.

This manuscript must have been judged publication-ready by the dissertation advisor and at least one other faculty member on the dissertation committee prior to submission.

For the defense, an abstract, which lists the time and place of the defense, must be distributed to the EAS faculty and posted publicly at least seven calendar days prior to the scheduled date for the defense.

The dissertation advisor and at least one other committee member must initial the notice of defense, indicating approval of the defense.

An unbound copy of the final draft of the dissertation, including all illustrations, must be made available in the EAS department office at least seven calendar days prior to the defense date for inspection by the EAS faculty.



Scheduling for Defense

PhD defenses can be given Monday-Friday during the Fall, Spring, and Summer terms with starting times between 8:00 a.m. and 4:00 p.m.

Defenses cannot be given during vacations, reading days, weekends, or final examination periods (nor over spring break or inter-term breaks).

Scheduling of defenses is done through the department academic advisor.

Defense Decisions

A positive vote by a majority of the dissertation committee is required for successful defense of the dissertation.

If the student does not complete and successfully defend the PhD dissertation within five years after passing the candidacy examination, retaking of the candidacy examination may be required.

Once approved by the committee, the dissertation must be submitted to the NSM Office of Academic Affairs no later than the deadline posted on the College website each term.

Graduate Certificate

Geographical Information Science (GIS) Certificate

The Geographical Information System (GIS) Certificate offered by the Department of Earth and Atmospheric Sciences is available to both graduate students and non-degree seeking professionals. The certificate provides students with knowledge and experience to work in the field of geospatial data science and analytics both in the public and private sectors. The combination of courses focuses on the acquisition, storing, processing, visualization, modeling, and analysis of geospatial big data with emphasis on geospatial applications.

Admission Requirements

Students seeking this certificate must have:

A bachelor's degree in science or engineering, or additional course work to make up undergraduate deficiencies may be required.

Well-qualified candidates in other fields may be approved by the GIS Faculty Advisor.

Deficiencies will be noted at the time of admission.

A minimum cumulative grade point average (GPA) of 3.00 (A=4.00) is required in the last 60 hours of all course work.

Transcripts are required

GRE scores are not required.

For students enrolled in a graduate program, courses used for certification can also be used towards a graduate degree.

A student may be admitted either:

to a graduate program in the Department of Earth and Atmospheric Sciences at the University of Houston, or directly to the GIS Certificate program as a "non-degree seeking" graduate student.

Certificate Coursework

Certificate Total: 15.0 Credit Hours

Core Course Requirements

9.0 Credit Hours

Course substitutions relevant to the certificate may be allowed on an individual basis, with prior permission from the GIS Faculty Advisor.



GEOL 6324 - Satellite Positioning & Geodesy **Credit Hours: 3.0**
GEOL 6325 - Remote Sensing **Credit Hours: 3.0**
GEOL 6388 - Geospatial Analysis and Applications **Credit Hours: 3**

Elective Course Options

6.0 Credit Hours

GEOL 6323 - Geoscience Applications of GPS & LIDAR **Credit Hours: 3.0**
GEOL 6389 - Gis for Geologists **Credit Hours: 3.0**
CIVE 6382 - Lidar Systems and Applications **Credit Hours: 3.0**
CIVE 6384 - Satellite Altimetry and Interferometric Synthetic Aperture Radar **Credit Hours: 3**
COSC 6315 - Data Science for Everyone **Credit Hours: 3**
Or approved elective, relevant to the certificate, with prior permission from the GIS Faculty Advisor.

Academic Policies

University Academic Policies
Academic Policies: College of Natural Sciences and Mathematics

Hydrogeology, Certificate

The Hydrogeology Certificate offered by the Department of Earth and Atmospheric Sciences is available to both graduate students and non-degree seeking professionals. This certificate is designed for professionals who wish to be recognized as obtaining a broad background in the area of hydrogeology without completion of an advanced degree. This may include geologists currently working in the petroleum industry who wish to obtain positions in the environmental industry, as well as those with hydrogeology positions but lacking formal course work in that area. Classes for certification are part of the Department of Earth and Atmospheric Sciences regular course offerings and thus are generally offered once every two years.

For additional information regarding the certificate program and new elective course options for the certificate, please visit:
<http://www.uh.edu/nsm/earth-atmospheric/graduate/overview/>.

Admission Requirements

Must have completed a bachelor's degree in geosciences or civil engineering with a minimum cumulative grade point average (GPA) of 3.00 (A=4.00) in the last 60 hours of all course work.

Must have completed undergraduate course work equivalent to that required for a Bachelor's degree in Geology, Geophysics, or Environmental Sciences (Environmental Geosciences Option only) at the University of Houston, or additional course work to make up undergraduate deficiencies may be required.

Deficiencies will be noted at the time of admission.

Transcripts are required.

GRE scores are not required.

For students enrolled in a graduate program, courses used for certification can also be used towards a graduate degree.

A student can be admitted either:

to a graduate program in the Department of Earth and Atmospheric Sciences at the University of Houston, or
to the Hydrogeology Certificate program as a "non-degree seeking" graduate student.

For Admission information, visit www.uh.edu/graduate-school/admissions/.



Certificate Requirements

Credit hours required for this certificate: 15.0

Core Course Requirements

12.0 Credit Hours

Course substitutions may be allowed on an individual basis, with prior approval from the Hydrogeology Certificate faculty advisor.

GEOL 6341 - Geochemistry **Credit Hours: 3.0**

GEOL 6346 - Geochemistry of Water-Rock Systems **Credit Hours: 3**

GEOL 6366 - Hydrogeology **Credit Hours: 3.0**

GEOL 6388 - Geospatial Analysis and Applications **Credit Hours: 3**

Elective Course Options

3.0 Credit Hours

GEOL 6332 - Air Pollution Meteorology **Credit Hours: 3.0**

GEOL 6335 - Atmospheric Numerical Modeling **Credit Hours: 3.0**

GEOL 6370 - Atmospheric Biogeochemistry **Credit Hours: 3.0**

GEOL 6357 - Soils and Paleosols **Credit Hours: 3**

Or other approved electives (see certificate advisor for list), with prior approval from the Hydrogeology Certificate faculty advisor.

Academic Policies

University of Houston Academic Policies

Academic Policies: College of Natural Sciences and Mathematics

Department of Mathematics

Admission to Master's and Doctoral Programs

The Mathematics Department offers four Master's degrees: the MS in Mathematics which offers a thesis or a tutorial option, the MS in Applied Mathematics (non-thesis only), the MS in Statistics and Data Science (non-thesis only), and the MA in Mathematics (non-thesis only). In addition to the College of Natural Sciences and Mathematics Admission Requirements, unconditional admission to the MS in Mathematics requires a baccalaureate degree in mathematics or its equivalent (27 semester hours of upper-division math or math-related courses); for unconditional admission to the MS in Applied Mathematics, a baccalaureate degree is required and the completion of at least nine hours of math at the junior or senior level, preferably in courses such as advanced linear algebra, analysis, differential equations, or probability and statistics. GRE aptitude scores, English language proficiency scores (if applicable), three letters of recommendation, and a statement of aims and goals are also requested. For admission to the doctoral program, the department requires a bachelor's or master's degree in mathematics or equivalent.

Send all application materials to:



Department of Mathematics
Attn: Graduate Advisor
University of Houston
651 Philip G. Hoffman Hall
Houston, Texas 77204-3008

Master

Applied Mathematics, MS

The intent of the Master's of Science in Applied Mathematics is to provide students with training in mathematics appropriate for many professional positions in industry. In particular, this program is aimed at developing practical computational and analytical mathematical skills required to tackle realistic problems. Students entering this program are required to have some background in applied mathematics equivalent to at least a minor in mathematics. Several professional certificate programs are offered under this program for students who want to specialize in a particular area of interest.

For additional information, please visit the Program Outline page.

Admission Requirements

An MS in Applied Mathematics applicant will have earned a bachelor's or a master's degree. Scores from the General GRE examination taken in the last 5 years are optional (verbal, quantitative, and analytical writing; advanced GRE is recommended but optional). TOEFL or IELTS scores must be provided by applicants who did not earn a prior degree from a US institution or a country where English is the medium of instruction see list at English Language Proficiency Requirements.

The admissions committee will evaluate the credentials of each applicant for the MS in Applied Mathematics program, considering a broad range of criteria, including:

- Content of undergraduate program and, if applicable, graduate programs and competency in mathematics
- A cumulative GPA of 3.00 or better in the last 60 hours of course work
- Letters of recommendation from three (3) individuals (preferably faculty members)
- GRE scores, if submitted (see above)
- English proficiency test scores (where applicable)

The prerequisite for admission to the program is the equivalent of a Bachelor's degree in mathematics as defined at the University of Houston. Prior experience with advanced undergraduate mathematical concepts is necessary.

Degree Requirements

Credit hours required for this degree: 30.0

A student must successfully complete 30 credit hours of the following mathematics courses below.

1) Basic Course Sequences

Complete two out the following four basic course sequences:

A. Applicable Analysis

MATH 6360 - Applicable Analysis **Credit Hours: 3.0**



MATH 6361 - Applicable Analysis **Credit Hours: 3.0**

B. Numerical Analysis

MATH 6370 - Numerical Analysis **Credit Hours: 3.0**

MATH 6371 - Numerical Analysis **Credit Hours: 3.0**

C. Probability and Statistics

MATH 6382 - Probability **Credit Hours: 3**

MATH 6383 - Statistics **Credit Hours: 3**

D. Optimization

MATH 6366 - Optimization Theory **Credit Hours: 3.0**

MATH 6367 - Optimization Theory **Credit Hours: 3.0**

2) 5000, 6000, and 7000 Level Courses

Successfully complete another 12 credit hours of courses at the 5000, 6000 or 7000 level.

At most two of these courses can be selected from MATH 6308, MATH 6309, MATH 6312, MATH 6313.

At most two of these courses can be 5000 level subject to approval from the Graduate Director.

"Special Problems" courses may not be used to satisfy this requirement

At most two of these courses can be taken outside of the Department of Mathematics

3) Tutorial Project

Complete a tutorial project by completing MATH 6315 and 7315, Master's Tutorial under the supervision of a faculty member. Alternatively, the student, with consent of the Director of Graduate Studies, may decide to satisfy this requirement by taking two regularly scheduled classes. To pass MATH 7315, a student writes a project report, which must be approved by his/her supervisor and a summary of the project must be provided to the Director of Graduate Studies.

Any course from the four basic course sequence with a grade of C- or lower will have to be retaken. Undergraduate classes will not count towards this degree.

Academic Policies

University of Houston Academic Policies

Academic Policies: College of Natural Sciences and Mathematics

Scholastic Requirements

Graduate students must maintain a minimum grade point average of 3.00 in all course work to be considered in good standing. Students not in good standing cannot receive a graduate degree and can be declared ineligible for support with a graduate assistantship (IA, TA or RA).

Mathematics, MA



The primary purpose of the MA program is to prepare students to teach mathematics at the secondary school and junior/community college levels. In the MA program, all courses are offered online and the students do not need to come to our campus.

For additional information, please visit the Program Outline page: <http://www.uh.edu/nsm/math/graduate/ma-outline/>.

Admission Requirements

An M.A. applicant will have earned a bachelor's or a master's degree. Scores from the General GRE examination taken in the last 5 years are optional (verbal, quantitative, and analytical writing; advanced GRE is recommended but optional). International applicants have further documentation requirements, including proof of English language proficiency, which are described here: <http://www.uh.edu/graduate-school/international-students/>. The admissions committee will evaluate the credentials of each applicant, considering a broad range of criteria, including:

- Content of undergraduate program and, if applicable, graduate programs and competency in mathematics.

- A cumulative GPA of 3.00 or better in the last 60 hours of course work.

- Letters of recommendation from three (3) individuals (preferably faculty members), who are able to judge the candidate's academic abilities and potential for scholarly research.

- GRE scores, if submitted (see above).

- Fulfilling the university's English Language Proficiency requirement.

- The prerequisite for admission to the program is the equivalent of a Bachelor's degree in mathematics as defined at the University of Houston. Prior experience with advanced undergraduate mathematical concepts is necessary.

Degree Requirements

Credit hours required for this degree: 33.0

The program requires 33 total term hours of course work to include:

- A minimum of 21 term hours of graduate courses in mathematics.

- Completion of at least one 3 hour course in each of the groups: Algebra, Analysis, Probability and Statistics, and Applied Mathematics.

- Three (3) hours of MATH 6315, Master's Tutorial.

- A maximum of 9 semester hours of course work may be taken outside of the mathematics department with prior approval from the graduate faculty advisor.

Academic Policies

University of Houston Academic Policies

Academic Policies: College of Natural Sciences and Mathematics

Mathematics, MS

The Master of Science in Mathematics program provides a rigorous training in the area of mathematics. This program emphasizes a curriculum in pure mathematics which is geared towards developing analytical mathematical skills. Students entering this program are expected to be familiar with mathematical proofs at the undergraduate level. This program prepares students for further academic career, as well as teaching in a higher education institution.

For more information, please visit the Program Outline page: <http://www.uh.edu/nsm/math/graduate/ms-outline/>.



Admission Requirements

An MS applicant will have earned a bachelor's or a master's degree. Scores from the General GRE examination taken in the last 5 years are optional (verbal, quantitative, and analytical writing; advanced GRE is recommended but optional). TOEFL or IELTS scores, must be provided by applicants who did not earn a prior degree from a US institution or a country where English is the medium of instruction (see list here: General Admission Policy).

Visit International Students (<http://www.uh.edu/graduate-school/international-students/>) to learn more.

The admissions committee will evaluate the credentials of each applicant for the M.S. program, considering a broad range of criteria, including:

Content of undergraduate program and, if applicable, graduate programs and competency in mathematics

A cumulative GPA of 3.00 or better in the last 60 hours of course work

Letters of recommendation from three (3) individuals (preferably faculty members), who are able to judge the candidate's academic abilities and potential for scholarly research

GRE scores, if submitted (see above)

English proficiency test scores, if applicable.

The prerequisite for admission to the program is the equivalent of a Bachelor's degree in mathematics as defined at the University of Houston. Prior experience with advanced undergraduate mathematical concepts is necessary. All applications are evaluated with respect to the research potential of the candidate.

Degree Requirements

Credit hours required for this degree: Thesis, 30.0/Tutorial, 36.0

To receive an MS in Mathematics, a student must satisfy one of the two options below:

Plan I - Thesis

A minimum of 30 credit hours is required. These hours include a minimum of 3 credit hours (no more than 6) of MATH 6399 or 7399 Master's Thesis, and a minimum of 24 credit hours in course work. These 24 credit hours must consist of 18 credit hours of courses in mathematics at the 6000 level or above, except for MATH 6308 (Advanced Linear Algebra), MATH 6309 (Advanced Linear Algebra II), MATH 6312 (Introduction to Real Analysis), or MATH 6313 (Introduction to Real Analysis). No more than 3 of the 24 credit hours may be in special problems. An oral and/or written examination over the candidate's background will be conducted by the thesis committee, and a written thesis will be submitted to the department and college.

Plan II - Tutorial

A minimum of 36 credit hours is required. These hours must include 6 credit hours of MATH 6315, Master's Tutorial credit and a minimum of 30 credit hours in other course work. Of these 30 hours at least 21 hours must be in regularly scheduled mathematics courses at the 6000 level or above, except for MATH 6308 (Advanced Linear Algebra), MATH 6309 (Advanced Linear Algebra II), MATH 6312 (Introduction to Real Analysis), or MATH 6313 (Introduction to Real Analysis). No more than 6 of the 30 credit hours may be in special problems. The tutorial requirement may be satisfied by participating in regularly scheduled classes, if this is the decision of the student and advisor. At most 6 hours of courses taken outside the mathematics department will be allowed with prior approval of the director of graduate studies.

Core Course Requirements



All MS students must complete at least 12 hours from the following master's degree core courses, with a one-year sequence in two of the following three areas:

Area 1:

Functions of a Real Variable (MATH 6320; 6321)
Complex Analysis (MATH 6322; 6323)
Functional Analysis (MATH 7320; 7321)

Area 2:

Modern Algebra (MATH 6302; 6303)
Topology/Geometry (MATH 6342; 7350)

Area 3:

Differential Equations (MATH 6324; 6325)
Partial Differential Equations (MATH 6326; 6327)
Numerical Analysis (MATH 6370; 6371)
Probability Models and Mathematical Statistics (MATH 6382; 6383)
Applicable Analysis (MATH 6360; 6361)

MATH 6323, MATH 6303, MATH 7350, MATH 6325 can be substituted by other courses in the same area with prior approval from the director of graduate studies.

Academic Policies

University of Houston Academic Policies

Academic Policies: College of Natural Sciences and Mathematics

Establishing a Thesis Research Committee

Students who are completing a thesis must assemble a thesis committee. A thesis committee must be on file with the department and College no later than the term prior to the anticipated graduating term. More details on committee composition can be found here: [Graduate Degree Requirements: College of Natural Sciences and Mathematics](#).

Scholastic Requirements

Graduate students must maintain a minimum grade point average of 3.00 in all course work to be considered in good standing. Students not in good standing cannot receive a graduate degree and can be declared ineligible for support with a graduate assistantship (IA, TA or RA).

Statistics and Data Science, MS

The Master of Science in Statistics and Data Science, offered by the Department of Mathematics, provides students with training in the statistical analysis of data sets, as well as in state of the art data mining techniques. The program includes computational implementations on real data sets and learning key theoretical concepts. The program provides students with necessary skills required for professional positions in data analysis and statistics. Students will be equipped for employment in biomedical fields and health institutions, in oil and gas research and development, in financial and actuarial sectors, and related areas. Recent graduates from our U of H applied mathematics MS and PhD programs who acquired similar skills are currently employed in the banking, biomedical, energy, insurance and financial industries, or teach in high schools and community colleges.

For further information, please see the [Master of Science in Statistics and Data Science](#) page.



Admission Requirements

A complete graduate school application must be submitted along with any applicable fee. An MS applicant will have earned a bachelor's or a master's degree. Scores from the General GRE examination taken in the last 5 years are optional (verbal, quantitative, and analytical writing; advanced GRE is recommended but optional). For students who did not earn a prior degree from a U.S. institution or a country where English is the medium of instruction, (see list) students must meet minimum test scores to demonstrate English language proficiency.

The admissions committee will evaluate the credentials of each applicant for the MS program, considering a broad range of criteria, including:

- the content of the undergraduate program and, if applicable, graduate programs and competency in mathematics,
 - Applicants must have a good background in mathematics (including calculus / advanced mathematics, and linear algebra)
- a cumulative GPA of 3.00 or better in the last 60 hours of course work,
- letters of recommendation from three (3) individuals (preferably faculty members), who are able to judge the candidate's academic abilities and potential for scholarly research, and
- GRE scores, if submitted (see above).
- English language proficiency test scores, if applicable.

Additional notes:

- A student needs not to have majored in mathematics to be admitted.
- A background in probability and statistics is not essential but is a plus.
- Proficiency in at least one of the main programming languages used in data analysis (R, SAS, Matlab, Python, etc) is not required but is helpful.

Degree Requirements

Credit hours required for this degree: 30.0

Required Courses

24.0 Credit Hours

- MATH 6350 - Statistical Learning and Data Mining **Credit Hours: 3.00**
- MATH 6357 - Linear Models and Design of Experiments **Credit Hours: 3**
- MATH 6358 - Probability Models and Statistical Computing **Credit Hours: 3.0**
- MATH 6359 - Applied Statistics and Multivariate Analysis **Credit Hours: 3.0**
- MATH 6373 - Deep Learning and Artificial Neural Networks **Credit Hours: 3.00**
- MATH 6380 - Programming Foundation for Data Analytics **Credit Hours: 3.0**
- MATH 6381 - Information Visualization **Credit Hours: 3.0**
- MATH 6386 - Big Data Analytics **Credit Hours: 3.0**

Elective Course Options

3.0 Credit Hours from the list below

- MATH 6387 - Biomed Data Analysis and Computing **Credit Hours: 3.0**
- MATH 6388 - Genome Data Analysis **Credit Hours: 3.0**
- MATH 6397 - Selected Topics in Math **Credit Hours: 3**



Summer Research Project

3.0 Credit Hours

MATH 6315 - Masters Tutorial **Credit Hours: 3.0**

Students successfully complete a summer research project in data analysis under the supervision of a faculty mentor. Within these requirements, students are encouraged to pursue their own interests. In particular, the subject matter of the summer research project is often related to a student's professional work. Research projects typically involve studying a real world data analysis problem, in a wide range of data types (biomedical, clinical, financial, energy, psychological or social). Each project involves understanding the data structure, conducting an efficient data analysis, and writing a full report with the guidance of a faculty mentor. The research project report is expected to present thoroughly and in depth the data set studied, the methods computationally-implemented, and the results obtained. To pass Math 6315, a student writes a project report which must be approved by his/her supervisor and a summary of the project report must be provided to the Director of Graduate Studies.

Academic Policies

University of Houston Academic Policies

Academic Policies: College of Natural Sciences and Mathematics

Scholastic Requirements

Graduate students must maintain a minimum grade point average of 3.00 in all course work to be considered in good standing. Students not in good standing cannot receive a graduate degree and can be declared ineligible for support with a graduate assistantship (IA, TA or RA).

Doctoral

Mathematics, PhD

The PhD in mathematics program is open to students who wish to pursue a career in academic research or teaching, as well as in industry. This program emphasizes research in pure and applied mathematics. Therefore, students with a strong background in mathematics with a major in quantitative fields such as pure and applied mathematics, economics, engineering, physics are encouraged to apply. The program aims to prepare students for positions in academia and industry which require a deep knowledge of advanced mathematical concepts. Students completing this program must demonstrate research competence by successfully defending a dissertation in one of the research areas represented in the department.

For additional information, please visit [Mathematics, PhD Outline page](#).

Admission Requirements

A doctoral applicant will have earned a bachelor's or a master's degree, and submitted scores from the General GRE examination taken in the last 5 years (verbal, quantitative, and analytical writing; advanced GRE is recommended but optional). International applicants have further documentation requirements, including proof of English language proficiency, which are described at [International Students](#). International applications require a \$75 application fee. The admissions committee will evaluate the credentials of each applicant for the Ph.D. program, considering a broad range of criteria, including:

Content of undergraduate program and, if applicable, graduate programs and competency in mathematics.



A cumulative GPA of 3.00 or better in the last 60 hours.

Letters of recommendation from three (3) individuals (preferably faculty members), who are able to judge the candidate's academic abilities and potential for scholarly research.

GRE scores (see above).

Fulfilling the university's English Language Proficiency Requirement.

The prerequisite for admission to the program is the equivalent of a Bachelor's degree in mathematics as defined at the University of Houston. Prior experience with advanced undergraduate mathematical concepts is necessary. All applications are evaluated with respect to the research potential of the candidate.

Please visit the program's Graduate Admissions and Support page for more information.

Degree Requirements

Credit hours required for this degree: 54.0

A minimum of 54 graduate semester hours is required for the Ph.D. degree. Of these, at least 24 hours must be formal lecture courses in mathematics. Any courses taken outside the department of mathematics will require prior approval from the director of graduate studies.

Completion of at least 3, but no more than 12, semester hours of MATH 8X99 Doctoral Dissertation courses.

One academic year of continuous full-time enrollment (Fall/Spring or Spring/Summer/Fall).

Completion of preliminary examinations.

Completion of a successfully defended dissertation based on original research which must be submitted to the NSM Office of Academic Affairs by the deadline on the College website.

Academic Policies

University of Houston Academic Policies

Academic Policies: College of Natural Sciences and Mathematics

Establishing a Doctoral Research (Dissertation) Committee

Students must assemble a dissertation committee. A dissertation committee must be on file with the department and College no later than the term prior to the anticipated graduating term. More details on committee composition can be found at Graduate Degree Requirements.

Preliminary examinations

PhD students must pass 3 preliminary examinations from different areas. Each exam is a 3-hour written test based on one of the graduate courses taught in the department of mathematics. Students are expected to pass all 3 preliminary examinations within the first two years of their study. Students who hold a Master's degree are expected to pass all 3 preliminary examinations within 1 year. Further details on the preliminary examinations can be found at Preliminary Examinations.

Scholastic Requirements

Graduate students must maintain a minimum grade point average of 3.00 in all course work to be considered in good standing. Students not in good standing cannot receive a graduate degree and can be declared ineligible for support with a graduate assistantship (IA, TA, RA/TE or RA).

Graduate Certificate

Computational Mathematics, Certificate



Student in the Master of Science in Applied Mathematics program may take 18 credit hours from the specialized course list to receive the Computational Mathematics Certificate. This certificate is particularly suitable for students who wish to pursue an industrial career in scientific computing.

For more information, please visit the Certificate in Computational Mathematics (CCM) website.

Admission Requirements

Students must be admitted in the Applied Mathematics MS program and can add the certificate to the degree by petition.

Please visit: Graduate Admissions

Certificate Requirements

Credit hours required for this certificate: 18.0

Successful completion of:

MATH 6370 - Numerical Analysis **Credit Hours: 3.0**

MATH 6371 - Numerical Analysis **Credit Hours: 3.0**

Successful completion of at least 12 credit hours of courses from:

MATH 6366 - Optimization Theory **Credit Hours: 3.0**

MATH 6367 - Optimization Theory **Credit Hours: 3.0**

MATH 6374 - Num Part Diff Equations **Credit Hours: 3.0**

MATH 6376 - Num Linear Algebra **Credit Hours: 3.0**

MATH 6378 - Basic Scientific Computing **Credit Hours: 3.0**

MATH 7374 - Finite Element Methods **Credit Hours: 3.0**

MATH 6397 - Selected Topics in Math **Credit Hours: 3** (related to numerical analysis)

Note: students must receive prior approval for Special Topics courses MATH 6397 to count towards this certificate. To receive approval students should email a Graduate and Professional Student Petition form to the graduate director and request that a particular topics course (insert title) is applied towards the Financial Mathematics certificate.

Scholastic Requirements

Graduate students must maintain a minimum grade point average of 3.00 in all course work to be considered in good standing. Any course with a grade of C+ or lower will need to be retaken.

Academic Policies

University of Houston Academic Policies

Academic Policies: College of Natural Sciences and Mathematics

Financial Mathematics, Certificate



Students in the Master of Science in Applied Mathematics program can take 24 credit hours from a list of specific courses to receive the Financial Mathematics Certificate. This certificate provides the academic training for students who want to pursue a career in the financial industry.

Please visit the Financial Mathematics Certificate website for more information.

Admission Requirements

Students must be admitted in the MS Applied Mathematics program and can add the certificate to the degree by petition. Please visit the Graduate Admissions website for full requirements.

Certificate Requirements

Credit hours required for this certificate: 24.0

Successful completion of the following courses:

MATH 6382 - Probability **Credit Hours: 3**

MATH 6383 - Statistics **Credit Hours: 3**

MATH 6366 - Optimization Theory **Credit Hours: 3.0**

MATH 6367 - Optimization Theory **Credit Hours: 3.0**

MATH 6385 - Mathematical Finance **Credit Hours: 3**

Successful completion of three more courses in financial mathematics from the list below:

MATH 6384 - Time-series analysis **Credit Hours: 3**

MATH 6397 - Selected Topics in Math **Credit Hours: 3**

Topic(s):

Numerical Method for PDE

Selected Topics in Statistics:

e.g. Statistical Computing, Spatial Statistics

MATH 7397 - Topics in Probability **Credit Hours: 3.0**

Topic(s):

Special Topics in Mathematical Finance (The subject varies from semester to semester; possible topics: Monte Carlo Methods in Finance, Analysis of Finance and Energy Time Series)

MATH 7381 - Applied and Computational Stochastic Processes **Credit Hours: 3**

Note: students must receive prior approval for Special Topics courses MATH 6397 and MATH 7397 to count towards this certificate. To receive approval students should email a Graduate and Professional Student Petition form to the graduate director and request that a particular topics course (insert title) is applied towards the Financial Mathematics certificate.

Scholastic Requirements



Graduate students must maintain a minimum cumulative grade point average of 3.00 in all course work to be considered in good standing. Students must complete the following courses with a grade of B- or higher to receive the certificate: MATH 6366, MATH 6367, MATH 6382, MATH 6383, MATH 6385.

Academic Policies

University of Houston Academic Policies
Academic Policies: College of Natural Sciences and Mathematics

Department of Physics

Admission to Master's and Doctoral Programs

In addition to the College of Natural Science and Mathematics Admission Requirements, the Department of Physics requires a bachelor's degree in physical science or engineering and recommends the GRE advanced test in physics.

Master

Physics, MS

Physics is a broad subject that ranges from the origins of the universe to the design of better electronic memory devices. Students with a Bachelor's degree in physics or related fields are encouraged to apply to the Department of Physics Master's program. The program is suitable both as a means of professional development and preparation for further graduate study. Students will normally complete the requirements within four terms, starting with basic "core" courses in classical mechanics, electrodynamics, quantum mechanics and statistical physics, followed by a number of elective courses or a master's thesis. Our research groups provide world-class training and experience designed to give students the skills that are highly valued by the various electronics, medical, financial, and energy industries, as well as academia.

Please visit the Physics Graduate Programs page for more information: <http://www.uh.edu/nsm/physics/graduate/>.

Admission Requirements

Applicants are expected to have completed, or be in their last term of completing, a bachelor's in physics or a related field, or a master's degree, and have acquired a working knowledge of the basic areas of physics including mechanics, thermodynamics, and electromagnetism. Scores from the General GRE examination taken in the last 5 years are optional (verbal, quantitative, and analytical writing; advanced GRE is recommended but optional). International applicants have further documentation requirements, including proof of English language proficiency, as described on the Graduate International Students website.

Admission to the program is competitive within the applicant pool. The admissions committee and the department chair will evaluate the credentials of each applicant for the M.S. program, considering a broad range of criteria, including:

Content of the undergraduate program and, if applicable, graduate program and grades earned, particularly in the areas of physics and mathematics.

A cumulative GPA of 3.00 or better in the last 60 hours.

Letters of recommendation from three (3) individuals (preferably faculty members).



GRE scores, if submitted (see above).
Fulfilling the university's English Language Proficiency requirement.
Scientific, professional, and technical publications (if applicable).

Degree Requirements

Credit hours required for this degree: Thesis, 30.0/Non-Thesis, 36.0

To receive the degree of Master of Science in Physics, a student must satisfy one of the two options below:

Thesis Option

A student must successfully complete a minimum of 30 credit hours for which graduate credit is accepted by the department, to include the following courses:

Core Courses

PHYS 6303 - Methods of Mathematical Physics I **Credit Hours: 3.0**
PHYS 6309 - Advanced Mechanics I **Credit Hours: 3.0**
PHYS 6315 - Quantum Mechanics I **Credit Hours: 3.0**
PHYS 6321 - Electrodynamics **Credit Hours: 3.0**
PHYS 6327 - Statistical Physics **Credit Hours: 3.0**

Master's Thesis

PHYS 6X99 and/or PHYS 7X99, A minimum of three but no more than six credit hours in the graduating term

The student must select a thesis advisor before the second term of graduate work has been completed. Shortly after a thesis advisor has been selected, a thesis committee must be selected jointly by the student and the thesis advisor. The committee must consist of the advisor, at least two members of the physics graduate faculty, and at least one University of Houston faculty member from outside the department. Further details on committee composition can be found at NSM Graduate Degree Requirements. The student must present an acceptable thesis of original scientific research in physics and defend it orally before the thesis committee.

Non-Thesis Option

A student must successfully complete a minimum of 36 credit hours for which graduate credit is accepted by the department, to include the following courses:

Core Courses

PHYS 6303 - Methods of Mathematical Physics I **Credit Hours: 3.0**
PHYS 6309 - Advanced Mechanics I **Credit Hours: 3.0**
PHYS 6315 - Quantum Mechanics I **Credit Hours: 3.0**
PHYS 6321 - Electrodynamics **Credit Hours: 3.0**
PHYS 6327 - Statistical Physics **Credit Hours: 3.0**



Advanced Courses

In addition, 21 credit hours of advanced courses are required. They should be selected from the lists below of Advanced Core Courses and Advanced Elective courses

Advanced Core Courses

PHYS 6316 - Quantum Mechanics II **Credit Hours: 3.0**

PHYS 6354 - Methods of Mathematical Physics II **Credit Hours: 3**

PHYS 6363 - Graduate Laboratory **Credit Hours: 3**

PHYS 6328 - Advanced Statistical Mechanics **Credit Hours: 3**

PHYS 6350 - Computational Physics **Credit Hours: 3.0**

PHYS 6365 - Quantum Many-Body Theory **Credit Hours: 3**

PHYS 6366 - Quantum Field Theory **Credit Hours: 3**

PHYS 6387 - Solid State Physics I **Credit Hours: 3**

Advanced Electives: Advanced Elective courses will be offered at regular intervals. These are typically expositions of topics of current interest.

PHYS 6398 cannot be used to fulfill this requirement unless the course is actually an advanced elective lecture course and has been approved by petition.

At most 3 of these credit hours can come from a single graduate course from outside of the department with permission from the Chair of the Graduate Studies Committee.

Academic Policies

University of Houston Academic Policies

College of Natural Sciences and Mathematics Academic Policies

Department Academic Policies

Students must maintain a B average in the core graduate courses and may not make more than two B-minus grades in the core courses listed above. Students working on a thesis must have a thesis committee on file with the College no later than the term prior to the anticipated graduating term. Details about committee composition policies can be found on the College of Natural Sciences and Mathematics Graduate Degree Requirements webpage.

Scholastic Requirements: Graduate students must maintain a minimum grade point average of 3.00 in all course work to be considered in good standing. Students not in good standing cannot receive a graduate degree and can be declared ineligible for support with a graduate assistantship (IA, TA or RA).

All graduate students are required to attend the weekly Department of Physics Colloquium. Failure to do so without an approved proper excuse may result in a loss of financial support.

Doctoral

Physics, PhD

The Doctor of Philosophy in Physics degree signifies that the recipient has acquired a broad and in-depth knowledge of the discipline and has demonstrated research competence meeting the national standards. Students accepted for the program typically possess a four-year bachelor's degree in physics or related fields. Physicists are recognized for their ability to investigate secrets of the natural world through careful experimentation, theoretical modelling or computer simulations or a combination of these, the final goal being uncovering/validating/extending laws of nature. These skills acquired during the degree are highly valued not only in academia and research labs but also by a variety of industries. Our graduates have gained employment in academia as well as in research labs, industries and businesses in a wide range of areas including oil & gas, renewable energy, medical research, semiconductors (example: Intel Corporation), financial analysis, software/hardware development and data science.



For more information, please visit the Physics Graduate Programs website: <http://www.uh.edu/nsm/physics/graduate/>.

Admission Requirements

Applicants are expected to have completed, or be in their last term of completing, a bachelor's in physics or a related field, or a master's degree, and have acquired a working knowledge of the basic areas of physics including mechanics, thermodynamics, and electromagnetism. The applicants holding a three-year bachelor's degree must have received or be in the final semester of finishing a master's degree in physics. Both general and subject GRE taken in the last 5 years are recommended, but optional. International applicants have further documentation requirements, including proof of English language proficiency, which are described on the International Graduate Students web page: <http://www.uh.edu/graduate-school/international-students/>.

Admission to the program is competitive within the applicant pool. The admissions committee and the department chair will evaluate the credentials of each applicant for the PhD program, considering a broad range of criteria, including:

- Content of the undergraduate program and, if applicable, graduate program and grades earned, particularly in the areas of physics and mathematics.
- A cumulative GPA of 3.00 or better in the last 60 hours.
- Letters of recommendation from three (3) individuals (preferably faculty members), who are able to judge the candidate's academic abilities and potential for scholarly research.
- GRE scores (optional).
- Fulfilling the university's English Language Proficiency Requirement.
- Scientific, professional, technical publications and Master's Thesis (if applicable).

Degree Requirements

Credit hours required for this degree: 54.0

To receive a Ph.D. in Physics, a student must satisfy the following three requirements:

1. Course Requirements

Successful completion of a minimum of 54 credit hours for which graduate credit is accepted by the department. These 54 hours must include courses that satisfy Basic Core and Advanced Core requirements; and successful completion of a minimum of 3 and no more than 12 credit hours of doctoral dissertation. Courses taken outside the department of Physics will require prior approval from the graduate faculty advisor.

Basic Core Requirements (total credit hours: 18.0)

The doctoral students must enroll in 6 Basic Core courses or be exempt from taking one or more of them in the first year. In order to qualify for doctoral candidacy, students must pass each Basic Core course with a grade of B or higher. Students who have successfully completed equivalent graduate courses at another institution will be allowed to qualify for the doctoral program if they appear for a qualifying examination for each of those courses and earn a B or higher grade. The qualifying examinations will be offered before the start of the semester. Nonetheless, this will be counted as one of the two attempts for completing the qualifying exam (see Requirement 2 below for number of attempts criterion).

Basic Core Courses:



PHYS 6303 - Methods of Mathematical Physics I **Credit Hours: 3.0**
PHYS 6309 - Advanced Mechanics I **Credit Hours: 3.0**
PHYS 6315 - Quantum Mechanics I **Credit Hours: 3.0**
PHYS 6316 - Quantum Mechanics II **Credit Hours: 3.0**
PHYS 6321 - Electrodynamics **Credit Hours: 3.0**
PHYS 6327 - Statistical Physics **Credit Hours: 3.0**

Advanced Core/Elective Requirements(total credit hours: 12.0)

Four courses with a minimum of two from the Advanced Core course list below must be successfully completed. At most one of the remaining courses can be taken from outside of the Department with permission from the Chair of the Dissertation Committee and the Chair of the Graduate Studies Committee.

Advanced Core courses:

PHYS 6354 - Methods of Mathematical Physics II **Credit Hours: 3**
PHYS 6363 - Graduate Laboratory **Credit Hours: 3**
PHYS 6328 - Advanced Statistical Mechanics **Credit Hours: 3**
PHYS 6350 - Computational Physics **Credit Hours: 3.0**
PHYS 6365 - Quantum Many-Body Theory **Credit Hours: 3**
PHYS 6366 - Quantum Field Theory **Credit Hours: 3**
PHYS 6387 - Solid State Physics I **Credit Hours: 3**

Advanced Electives

Advanced Elective courses will be offered at regular intervals. These are typically expositions of topics of current interest. The student body will be polled to find their choices at least a semester before an Advanced Elective is offered; the department will attempt to fulfill the students' wishes. Some Electives offered in recent years include:

General Relativity and Gravitation
Solid State Physics II
Atmospheric Physics
Particle Physics
Biological Physics
Scattering Theory
Seismic Physics I and II
Physics and Applications of Semiconductors
Optics

2. Qualification for PhD Candidacy

Full-time students must advance to candidacy no later than 2 years after entry into the PhD program (within the first 36 hours of graduate coursework for part-time students). To advance to candidacy for the doctoral program, a student must pass all six Basic Core courses with a grade of B or higher. A student must also receive a grade of B or higher in the first attempt in at least four (4) of the six Basic Core courses. The student receiving a grade of B- or below is offered a second attempt to obtain a grade of B or higher in the remaining Basic Core courses; however, this opportunity will not be available for those who have taken the pre-semester exams as indicated in Requirement 1. A student who earns less than a B grade in three (3) or more Basic Core courses at the first attempt will be dismissed from the program due to failure



to advance to candidacy. If the failure is due to extenuating circumstances, the student can appeal the decision to the Graduate Studies Committee.

3. Original Research Requirements

An acceptable dissertation based on original research in Physics must be presented and defended orally before the student's doctoral dissertation committee.

Academic Policies

University of Houston Academic Policies

Academic Policies: College of Natural Sciences and Mathematics

Department Academic Policies

Students must assemble their doctoral committee within the first term after they pass all the Ph.D. core courses listed above, or before the end of their third academic year whichever comes first. The dissertation committee must consist of the research advisor, at least two (normally three) additional graduate faculty members from the Department of Physics, and at least one UH faculty member from outside the department. A dissertation committee must be on file with the College no later than the term prior to the anticipated graduating term. More details on committee composition can be found on the Graduate Degree Requirements: College of Natural Sciences and Mathematics.

Annual Progress Evaluation (APE): Before the end of the student's third academic year, AND IN EACH SUBSEQUENT ACADEMIC YEAR, the student must make an oral presentation to their doctoral dissertation committee. The committee must certify that the student is making adequate progress toward completion of his/her Ph.D. in a timely manner. If the grade of overall performance, based on the averaging of all item scores from all committee members is lower than 3, then the student is given an opportunity for a follow-up examination by the committee, at a time to be determined by the committee. If the re-evaluation score is 3 or above, the student can proceed with his/her research and prepare for the next APE or dissertation defense. If the score in the re-evaluation is less than 3 then the student has failed the APE, and will be terminated from the PhD program.

All graduate students are required to attend the weekly Department of Physics Colloquium. Failure to do so without an approved proper excuse may result in a loss of financial support.

Scholastic Requirements: Graduate students must maintain a minimum grade point average of 3.00 in all course work to be considered in good standing. Students not in good standing cannot receive a graduate degree and can be declared ineligible for support with a graduate assistantship (IA, TA, RA/TE or RA).



Department of Biology and Biochemistry

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Department of Chemistry

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Eric R. Bittner. John and Rebecca Moores Professor of Chemistry. B.S., Valparaiso University; Ph.D., University of Chicago.

Jakoah Brgoch. Associate Professor of Chemistry. B.S., Illinois State University; Ph.D., Iowa State University.

Maurice Brookhart. Professor of Chemistry. B.A., Johns Hopkins University; Ph.D., University of California, Los Angeles.

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Roman S. Czernuszewicz. Associate Professor of Chemistry. Techn. Diploma, Chemical Technical School, Poland; M.Sc., Technical University of Wroclaw, Poland; Ph.D., Marquette University.

Olafs Daugulis. Robert A. Welch Chair and Professor of Chemistry. B.S., Riga Technical University, Ph.D., University of Wisconsin.

Loi Do. Associate Professor of Chemistry. B.S., University of California, San Diego; Ph.D., Massachusetts Institute of Technology.

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Allan Jacobson. Robert A. Welch Chair of Science and Director of the Texas Center for Superconductivity at the University of Houston and Professor of Chemistry. B.A., M.A., D.Phil., University of Oxford, England.

Sarah Larsen. Professor, Vice Provost and Dean of the Graduate School. A.B., Bowdoin College; Ph.D., Harvard University.

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Vassiliy Lubchenko. Professor of Chemistry. B.S., M.S., Moscow Institute of Physics and Technology; M.S., Carnegie-Mellon University; Ph.D., University of Illinois at Urbana-Champaign.

Jeremy May. Professor of Chemistry. B.S., University of Utah; Ph.D., California Institute of Technology.

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Shoujun Xu. Professor of Chemistry. B.S., Nanjing University; Ph.D., John Hopkins University.

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Department of Computer Science

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Nursing

The Master of Science in Nursing program is designed to build upon the BSN degree. Students in this program are prepared to function at advanced levels with an expanded knowledge of theory, research and clinical application. Graduates are prepared to provide evidence-based health care and to work on collaborative teams. Each graduate will be able to function in an advanced practice role as a Nurse Administrator, Nurse Educator, and Family Nurse Practitioner. Nurses who have a master's degree in another discipline or who wish to be eligible for the Certified Nurse Educator exam may take the post master's educator certificate courses.

Programs

Master

- Nurse Practitioner, MSN
- Nursing Administration, MSN
- Nursing Education, MSN

Doctoral

- Nursing Practice, DNP

Graduate Certificate

- Nursing Administration, Certificate
- Nursing Education, Post Master's Certificate



About the College of Nursing

College of Nursing

*Brazos Hall
14000 University Blvd.
Sugar Land, TX 77479
832-842-8200*

About the College

The University of Houston College of Nursing offers upper level and graduate nursing education primarily to Fort Bend County, Harris, and surrounding counties in Texas. Undergraduate tracks include the RN-BSN Track for registered nurses who wish to pursue a baccalaureate degree in nursing, the Second Degree BSN Track for individuals who have completed a university degree and wish to earn a Bachelor of Science in Nursing (BSN) degree and become eligible to take the National Council Licensure Exam for Registered Nurses (NCLEX-RN), and Traditional BSN Track for degree-seeking first time in college students who want to earn the Bachelor of Science in Nursing (BSN) degree and become eligible to take the National Council Licensure Exam for Registered Nurses (NCLEX-RN).

The Master of Science in Nursing offers tracks in nursing education, nursing administration, and family nurse practitioner.

Accreditation

The College of Nursing has full approval from the Texas Board of Nursing. The RN-BSN Track, Second Degree BSN Track, Traditional BSN Track and MSN Tracks in Nurse Administration, Nurse Education, and Family Nurse Practitioner have approval from the Texas Higher Education Coordinating Board. The baccalaureate degree in nursing and master's degree in nursing program at the University of Houston are accredited by the Commission on Collegiate Nursing Education (CCNE), 655 K Street NW, Suite 750, Washington DC 20001, Telephone 202-887-6791. <http://www.ccneaccreditation.org/>

Mission

The Mission of the University of Houston College of Nursing is to provide innovative, dynamic, and nationally competitive nursing education to a diverse student population that builds professional leaders and clinical experts.

The University Of Houston College Of Nursing is committed to serving educational needs, supporting lifelong learning, advancing excellence in regional and global health care through strong inter-professional collaborations and partnerships while advancing scholarship, research, leadership and service.

Shared Values of the Mission

As its primary goal, the College of Nursing is dedicated to promoting nursing excellence. We uphold the values of nursing:

- Integrity
- Honesty
- Accountability
- Compassion
- Respect for all people



Vision

NURSING. EXCELLENCE. PERIOD.

Goals

College of Nursing Goals

Provide accessible student-centered educational programs that blend innovative technology and face-to-face support.

Prepare valued nurse leaders for the communities served.

Maintain excellence in baccalaureate and graduate nursing curricula.

Develop strong clinical and service liaisons and partnerships with community groups, health care agencies, alumni, and other interested individuals.

Advance the nursing profession through faculty scholarship and professional involvement.

Professional Affiliations, Honor Societies, and Student Organizations

Sigma Theta Tau International - Phi Chi Chapter



College of Nursing - Leadership

Kathryn Tart, EdD, MSN, RN

Founding Dean and Professor, Humana Endowed Dean's Chair in Nursing; BA Luther College; MSN University of Texas Health Science Center at San Antonio; EdD University of Houston.

Kathleen Reeve, DrPH, ANP-BC, FNP-C

Associate Dean/Graduate Program Director/Clinical Professor, BSN University of Texas Health Science Center at Houston; MSN University of Texas Health Science Center at Houston; Adult Nurse Practitioner (ANP) University of Texas Health Science Center at Houston; DrPH University of Texas Health Science Center at Houston; Family Nurse Practitioner (FNP) Prairie View A&M University.



College of Nursing - Admissions

Admissions Requirements

All applicants must satisfy university requirements for a graduate degree in addition to the MSN track requirements below:

Completion of Bachelor of Science in Nursing (BSN) degree from an institution accredited professionally and by one of the six recognized regional accrediting associations as described in the General Admission Policy section of the university catalog.

Evidence of current, unencumbered, valid licensure as a registered nurse in the State of Texas.

Official transcripts from each institution attended reflecting a grade point average of 3.0 or above on a 4.0 point scale on coursework complete, and the baccalaureate (or higher) degree conferred.

Mail transcripts to:

NursingCAS

P.O. Box 9201

Watertown, MA 02471

Personal Statement

One page personal statement to include information about the applicant's education and experience as a professional nurse to date, reason for interest in graduate education, career goals for the next five (5) years, reason for choosing UH for graduate education, and contributions the applicant plans to make to the mission of UH College of Nursing and to advanced nursing practice.

A resume is required.

An interview.

Official score(s) of the Miller Analogies Test (MAT) or Graduate Record Examination (GRE) is not required for applicants with a GPA of at least 3.0 on a 4.0 scale. A GRE or MAT score will be required for applicants with a GPA between 2.75 - 2.9 for conditional admission. Scores may not be more than 5 years old.

Two letters of recommendation:

one from a university faculty and

one from an employer

Professional work experience as defined by individual tracks. It is preferred all FNP applicants have a minimum of one (1) year of experience as baccalaureate prepared registered nurse.

Applicants must satisfy the UH College of Nursing Policy for Clinical Readiness requirements.



College of Nursing - Policies

Please refer to the College of Nursing website for information regarding policies.



College of Nursing - Financial Information

Scholarships

The College of Nursing recommends scholarships for enrolled undergraduate and graduate students each semester based on the specific scholarship criteria. Scholarship information is available on the College of Nursing website at www.uh.edu/nursing.

Financial Aid

Please review the UH Scholarships and Financial Aid website for more general information about UH scholarships and financial aid available and the required application process.



College of Nursing

College of Nursing

The Master of Science in Nursing program is designed to build upon the BSN degree. Students in this program are prepared to function at advanced levels with an expanded knowledge of theory, research and clinical application. Graduates are prepared to provide evidence-based health care and to work on collaborative teams. Each graduate will be able to function in an advanced practice role as a Nurse Administrator, Nurse Educator, and Family Nurse Practitioner. Nurses who have a master's degree in another discipline or who wish to be eligible for the Certified Nurse Educator exam may take the post master's educator certificate courses.

Graduate Certificate

Nursing Administration, Certificate

College of Nursing > Nursing Administration, Certificate

*Post Master's Certificate in Nursing Administration

Students who desire this additional certificate are required to complete the Nursing Administration, MSN requirements, in addition to the courses listed below:

Certificate Requirements

Credit hours required for this certificate: 9.0

Post Master's certificate candidates are required to achieve a grade of B or higher in all post MSN certificate courses to be eligible to receive the certificate.

Course Requirements

- NURS 6309 - Advanced Leadership and Management **Credit Hours: 3.0**
- NURS 6317 - Human Resource Management in Healthcare **Credit Hours: 3.0**
- NURS 6319 - Healthcare Finance **Credit Hours: 3.0**

Nursing Education, Post Master's Certificate

Students who desire to complete a Post Master's Certificate in Nursing Education are required to complete the Nursing Education, MSN admission requirements.

*Post Master's certificate candidates are required to achieve a grade of B or higher in all post MSN certificate courses to be eligible to receive the certificate.



Certificate Requirements

Credit hours required for this certificate: 9.0

Course Requirements

NURS 6312 - Measurement & Evaluation in Nursing Education **Credit Hours: 3**

NURS 6313 - Theories and Methods of Teaching and Learning in Nursing **Credit Hours: 3.0**

NURS 6314 - Development of Nursing Curriculum **Credit Hours: 3**

Academic Policies

University of Houston Academic Policies

Student Policy

Graduate Student Policy

Master of Science in Nursing

Nurse Practitioner, MSN

Program Description

The primary educational objective of the Master of Science in Nursing program is to increase the career and educational opportunities available to registered nurses in the university's service region. Graduates of the program will have a broader understanding of the nursing profession and will bring that understanding to the practice of nursing in their places of employment. Graduates will be prepared to assume some leadership and management roles.

The Master of Science in Nursing program is designed to build upon the BSN degree. Students in this program are prepared to function at advanced levels with an expanded knowledge of theory, research and clinical application. Graduates are prepared to provide evidenced based health care and to work on collaborative teams. Each graduate will be able to function in an advanced practice role as a nurse administrator or for the role of a nurse educator.

The Master of Science in Nursing (MSN) Family Nurse Practitioner (FNP) degree program is designed to prepare nurses to practice as family nurse practitioners, as educators in nursing programs, to translate research into practice, or to assume leadership roles in advance nursing practice.

To find out about the MSN program requirements, click Program Requirements or email nursing@uh.edu for general information.

Admission Requirements

Admission Information

Complete the NursingCAS online application for graduate admission at the NursingCAS website. NursingCAS is a national centralized application service for students applying to registered nursing programs. Submit all required documents to NursingCAS so that your



application can be processed in a timely manner. Request all official transcripts be sent directly to NursingCAS. Students should ensure that all official documents have been submitted to Nursing CAS a minimum of 2 weeks prior to the deadline date to allow for adequate processing time. To be eligible for this program you must have a minimum 3.0 GPA in your cumulative (all) course work.

Please direct all questions regarding your application to:

NursingCAS Customer Service

Telephone: 617-612-2880

Email: nursingcasinfo@nursingcas.org

Applicants to the MSN Tracks must have graduated from an accredited BSN program. Applicants who have completed an international BSN program that is not affiliated to a university may not have satisfied the requirement for admission to the University of Houston College of Nursing graduate Tracks due to the non-academic nature of this type of coursework. Contact an advisor in the College of Nursing for additional information.

Applicants must provide evidence of an unencumbered, current Texas Registered Nurse license.

Official score(s) of the Miller Analogies Test (MAT) or Graduate Record Examination (GRE) is not required for applicants with a GPA of at least 3.0 on a 4.0 scale. A GRE or MAT score will be required for applicants with a GPA between 2.75 - 2.9 for conditional admission. Scores may not be more than 5 years old.

Applicants must complete a one page personal statement.

Applicants must submit 2 letters of recommendation. One from a university faculty and one from an employer.

An Interview is part of the admission process.

A current resume is required.

Degree Requirements

Credit hours required for this degree: 47.0

MSN REQUIRED CORE COURSES - Family Nurse Practitioner (15 hours)

NURS 6301 - Adv Rsrch Intgrtd Evidnce Prctc **Credit Hours: 3.0**

NURS 6306 - Policy, Role & Economics **Credit Hours: 3.0**

NURS 6320 - Healthcare Informatics **Credit Hours: 3.0**

NURS 6332 - Biostatistics **Credit Hours: 3.0**

NURS 6333 - Population Health **Credit Hours: 3.0**

ACADEMIC CONCENTRATION - Family Nurse Practitioner (32 hours)

NURS 6230 - Diagnostic Tests & Procedures **Credit Hours: 2.0**

NURS 6330 - Advanced Diagnostic Physical Examination **Credit Hours: 3.0**

NURS 6331 - Advanced Pharmacotherapy **Credit Hours: 3.0**

NURS 6335 - Management of Health Disorders in Adults **Credit Hours: 3.0**

NURS 6336 - Management of Health Disorders in Adults Clinical **Credit Hours: 3.0**

NURS 6338 - Advanced Pathophysiology **Credit Hours: 3.0**

NURS 6345 - Management of Health Disorders in Women and Children **Credit Hours: 3.0**

NURS 6346 - Management of Health Disorders in Women and Children Clinical **Credit Hours: 3.0**

NURS 6355 - Management of Health Disorders Across the Lifespan in Diverse Settings **Credit Hours: 3.0**

NURS 6356 - Management of Health Disorders Across the Lifespan in Diverse Settings Clinical **Credit Hours: 3.0**

NURS 6366 - FNP Capstone Clinical **Credit Hours: 3**

Total Program Requirements



Required Core Nursing Courses	15 hours
Academic Concentration	32 hours
Total	47 hours

Academic Policies

University of Houston Academic Policies
 College of Nursing - Policies
 Student Policy
 Graduate Student Policy

Nursing Administration, MSN

Program Description

The primary educational objective of the Master of Science in Nursing program is to increase the career and educational opportunities available to registered nurses in the university's service region. Graduates of the program will have a broader understanding of the nursing profession and will bring that understanding to the practice of nursing in their places of employment. Graduates will be prepared to assume some leadership and management roles.

The Master of Science in Nursing program is designed to build upon the BSN degree. Students in this program are prepared to function at advanced levels with an expanded knowledge of theory, research and clinical application. Graduates are prepared to provide evidenced based health care and to work on collaborative teams. Each graduate will be able to function in an advanced practice role as a nurse administrator.

To find out about the MSN program requirements, click Program Requirements or email nursing@uh.edu for general information.

Admission Requirements

Admission Information

Complete the NursingCAS online application for graduate admission at the NursingCAS website. NursingCAS is a national centralized application service for students applying to registered nursing programs. Submit all required documents to NursingCAS so that your application can be processed in a timely manner. Request all official transcripts be sent directly to NursingCAS. Students should ensure that all official documents have been submitted to Nursing CAS a minimum of 2 weeks prior to the deadline date to allow for adequate processing time. To be eligible for this program you must have a minimum 3.0 GPA in your cumulative (all) course work.

Please direct all questions regarding your application to:

NursingCAS Customer Service
Telephone: 617-612-2880
Email: nursingcasinfo@nursingcas.org

Applicants to the MSN Tracks must have graduated from an accredited BSN program. Applicants who have completed an international BSN program that is not affiliated to a university may not have satisfied the requirement for admission to the University of Houston



College of Nursing graduate Tracks due to the non-academic nature of this type of coursework. Contact an advisor in the College of Nursing for additional information.

Applicants must provide evidence of an unencumbered, current Texas Registered Nurse license.

Official score(s) of the Miller Analogies Test (MAT) or Graduate Record Examination (GRE) is not required for applicants with a GPA of at least 3.0 on a 4.0 scale. A GRE or MAT score will be required for applicants with a GPA between 2.75 - 2.9 for conditional admission. Scores may not be more than 5 years old.

Applicants must complete a one page personal statement.

Applicants must submit 2 letters of recommendation. One from a university faculty and one from an employer.

An Interview is part of the admission process.

A current resume is required.

Degree Requirements

Credit hours required for this degree: 36.0

MSN REQUIRED CORE COURSES - Nurse Administration (18 hours)

NURS 6301 - Adv Rsrch Intgrtd Evidnce Prctc **Credit Hours: 3.0**

NURS 6306 - Policy, Role & Economics **Credit Hours: 3.0**

NURS 6320 - Healthcare Informatics **Credit Hours: 3.0**

NURS 6332 - Biostatistics **Credit Hours: 3.0**

NURS 6333 - Population Health **Credit Hours: 3.0**

NURS 6351 - Evidence-Based Practice Project **Credit Hours: 3.0**

ACADEMIC CONCENTRATION - Nurse Administration (18 hours)

NURS 6309 - Advanced Leadership and Management **Credit Hours: 3.0**

NURS 6316 - Healthcare Organizational Behavior **Credit Hours: 3.0**

NURS 6317 - Human Resource Management in Healthcare **Credit Hours: 3.0**

NURS 6318 - Healthcare Delivery Systems and Organization **Credit Hours: 3.0**

NURS 6319 - Healthcare Finance **Credit Hours: 3.0**

NURS 6321 - Leadership Practicum **Credit Hours: 3.0**

Total Program Requirements

Required Core Nursing Courses	18 hours
Academic Concentration	18 hours
Total	36 hours

Academic Policies

University of Houston Academic Policies

College of Nursing - Policies

Student Policy



Nursing Education, MSN

Program Description

The primary educational objective of the Master of Science in Nursing program is to increase the career and educational opportunities available to registered nurses in the university's service region. Graduates of the program will have a broader understanding of the nursing profession and will bring that understanding to the practice of nursing in their places of employment. Graduates will be prepared to assume some leadership and management roles.

The Master of Science in Nursing program is designed to build upon the BSN degree. Students in this program are prepared to function at advanced levels with an expanded knowledge of theory, research and clinical application. Graduates are prepared to provide evidenced based health care and to work on collaborative teams. Each graduate will be able to function in an advanced practice role as a nurse educator.

The Master of Science in Nursing (MSN) Nurse Education degree program is designed to prepare nurses to practice as educators in nursing programs, to enhance advanced critical thinking skills in nursing through the study of theory and research, and to apply the systematic application of knowledge and skills in nursing practice, evidence based practice, and nursing role as a Nurse Educator.

To find out about the MSN program requirements, click Program Requirements or email nursing@uh.edu for general information.

Admission Requirements

Admission Information

Complete the NursingCAS online application for graduate admission at the NursingCAS website. NursingCAS is a national centralized application service for students applying to registered nursing programs. Submit all required documents to NursingCAS so that your application can be processed in a timely manner. Request all official transcripts be sent directly to NursingCAS. Students should ensure that all official documents have been submitted to Nursing CAS a minimum of 2 weeks prior to the deadline date to allow for adequate processing time. To be eligible for this program you must have a minimum 3.0 GPA in your cumulative (all) course work.

Please direct all questions regarding your application to:

NursingCAS Customer Service
Telephone: 617-612-2880
Email: nursingcasinfo@nursingcas.org

Applicants to the MSN Tracks must have graduated from an accredited BSN program. Applicants who have completed an international BSN program that is not affiliated to a university may not have satisfied the requirement for admission to the University of Houston College of Nursing graduate Tracks due to the non-academic nature of this type of coursework. Contact an advisor in the College of Nursing for additional information.

Applicants must provide evidence of an unencumbered, current Texas Registered Nurse license.

Applicants must complete a one page personal statement.

Applicants must submit 2 letters of Recommendation.

An Interview is part of the admission process.

A current resume is required.



Degree Requirements

Credit hours required for this degree: 42.0

MSN REQUIRED CORE COURSES - Nurse Education (18 hours)

- NURS 6301 - Adv Rsrch Intgrtd Evidnce Prctc **Credit Hours: 3.0**
- NURS 6306 - Policy, Role & Economics **Credit Hours: 3.0**
- NURS 6320 - Healthcare Informatics **Credit Hours: 3.0**
- NURS 6332 - Biostatistics **Credit Hours: 3.0**
- NURS 6333 - Population Health **Credit Hours: 3.0**
- NURS 6351 - Evidence-Based Practice Project **Credit Hours: 3.0**

ACADEMIC CONCENTRATION - Nurse Education (24 hours)

- NURS 6312 - Measurement & Evaluation in Nursing Education **Credit Hours: 3**
- NURS 6313 - Theories and Methods of Teaching and Learning in Nursing **Credit Hours: 3.0**
- NURS 6314 - Development of Nursing Curriculum **Credit Hours: 3**
- NURS 6330 - Advanced Diagnostic Physical Examination **Credit Hours: 3.0**
- NURS 6331 - Advanced Pharmacotherapy **Credit Hours: 3.0**
- NURS 6335 - Management of Health Disorders in Adults **Credit Hours: 3.0**
- NURS 6336 - Management of Health Disorders in Adults Clinical **Credit Hours: 3.0**
- NURS 6338 - Advanced Pathophysiology **Credit Hours: 3.0**

Total Program Requirements

Required Core Nursing Courses	18 hours
Academic Concentration	24 hours
Total	42 hours

Academic Policies

- University of Houston Academic Policies
- College of Nursing - Policies
 - Student Policies
 - Graduate Student Policies

Doctor of Nursing Practice

Nursing Practice, DNP



The Doctor of Nursing Practice program is a part-time, post master's program designed for working nurses utilizing a hybrid (partially face-to-face and online) delivery method. Students may choose between two options:

PM Family Nurse Practitioner-DNP, or
PM Administration-DNP.

The PM FNP-DNP track and the PM Administration-DNP track will be delivered predominantly in an online format with face-to-face experiences, especially in clinical settings.

Degree Objectives

The objectives of the proposed PM DNP program would build upon the objectives of the MSN FNP and MSN Administration tracks including preparing the DNP graduate to:

- Perform at the highest level of advanced nursing practice providing expanded health care access to individuals, families, populations and communities.
- Incorporate leadership and interprofessional collaboration skills to deliver safe, effective, comprehensive, cost-effective care.
- Develop, implement and evaluate innovative programs in the areas of patient care, population health, leadership, education and policy.
- Enhance nursing education in nursing programs through evidence-based knowledge, research, ethical standards, technology and clinical judgment to advance quality of care and health outcomes.
- Guide change in health care policies and systems.
- Demonstrate achievement of DNP nationally recognized essentials and competencies.

Admission Requirements

The University of Houston general admission requirements for Master's or Doctorate graduate programs require applicants to take the appropriate standardized test e.g. GRE, GMAT, LSAT, have an earned baccalaureate and/or master's degree, and demonstrate English proficiency if not a graduate of an English-speaking institution. Other admission requirements are program specific. Applicants to the part-time UH DNP program will be reviewed holistically on an individual basis. Criteria have been established by the faculty against which each applicant is evaluated for admission.

- Earned baccalaureate degree in nursing from a nationally accredited program.
- Earned master's degree in an advanced nursing specialty from a nationally accredited nursing program.
- Evidence of current, unencumbered, valid licensure as a registered nurse in the State of Texas.
- Certificate as an advanced practice nurse (if applicable).
- Certified, or eligible for certification, in American Organization of Nurse Executives (AONE), American Nurses Credentialing Center (ANCC) Nurse Executive (NE-BC), or ANCC Nurse Executive, Advanced (NEA-BC) (if applicable).
- Minimum of one year's experience as a nurse practitioner, or one year's experience in a healthcare leadership position.
- Grade point average of 3.0 or above on a 4.0-point scale in upper division nursing and/or graduate courses.
- Completed GRE or MAT within the last 5 years.
- Written statement of area of practice interest, career goals, areas of research interest, and reasons for pursuing doctoral study (500-word limit).
- Resume or CV.
- Two satisfactory letters of recommendation from both university faculty with a doctoral degree and employers.
- Scheduled interview with DNP faculty if invited.
- Satisfactory completion and review of security screening prior to enrollment.
- All clinical readiness requirements including immunization requirements met prior to enrollment as outline in the student policies.

*Select criteria will be waived for graduates of the UH/UHV MSN FNP and MSN Administration programs who earned a GPA of 3.3 or above.



Degree Requirements

Credit hours required for this degree: 37.0

The degree requirements of the DNP program include 37 credit hours and 585+ clock hours of clinical practicum based on the clinical clock hours completed in the previous MSN program. The total number of required clinical hours for completion of a DNP is 1000 hours. The proposal includes the incorporation of interdisciplinary coursework with the other health related disciplines at UH. Successful applicants will be admitted in the fall following the spring graduation from the MSN FNP program with a projected start date of August 2021.

Required Courses

NURS 8215 - Advanced Leadership and Management Seminar **Credit Hours: 2.0 AND**
NURS 8316 - Advanced Leadership Practicum **Credit Hours: 3.0**

OR

NURS 8225 - Complex Health Deviations Seminar **Credit Hours: 2.0 AND**
NURS 8326 - Complex Health Deviations Practicum **Credit Hours: 3.0**

NURS 8205 - Interdisciplinary Care Seminar **Credit Hours: 2.0**
NURS 8306 - Interdisciplinary Focus Clinical **Credit Hours: 3.0**
NURS 8356 - Scholarly Project Development/Implementation **Credit Hours: 3.0 - 5.0**
NURS 8209 - DNP Seminar II **Credit Hours: 2.0**
NURS 8357 - Scholarly Project Dissemination **Credit Hours: 3.0**
NURS 8304 - Systems Management Vulnerable Populations **Credit Hours: 3.0**
NURS 8303 - Complex Systems and Leadership **Credit Hours: 3.0**
NURS 8301 - Healthcare Research Design, Methods & Analysis **Credit Hours: 3.0**
NURS 8302 - Advanced Practice Finance and Economics **Credit Hours: 3.0**
NURS 8336 - Advanced Synthesis Practicum **Credit Hours: 3.0**
NURS 8208 - DNP Seminar I **Credit Hours: 2.0**
NURS 8207 - Professional Writing Development **Credit Hours: 2.0**
NURS 6312 - Measurement & Evaluation in Nursing Education **Credit Hours: 3**
NURS 6313 - Theories and Methods of Teaching and Learning in Nursing **Credit Hours: 3.0**
NURS 6314 - Development of Nursing Curriculum **Credit Hours: 3**

Candidacy/Dissertation

A DNP scholarly project is required rather than a dissertation. The DNP project will include learning acquisition from both coursework and clinical application. The faculty serving as the DNP scholarly project team will review and evaluate the student's project. The DNP scholarly project team will consist of doctoral prepared faculty engaged in practice relevant to the student's chosen DNP project topic. Successful completion of the DNP scholarly project culminates in a final manuscript, oral presentation and poster presentation.

Academic Policies

University of Houston Academic Policies
College of Nursing - Policies
College of Nursing Student Policy
Doctor of Nursing Practice Student Policy



College of Nursing - Faculty

Faculty

Cheryl Brohard, Assistant Professor. BSN Ohio Wesleyan University; MSN Case Western Reserve University; PhD University of Utah.

Barbara L Brophy, Assistant Clinical Professor. BSN Prairie View A&M University; MSN University of Phoenix; DNP Chamberlain University.

Shermel Edwards-Maddox, Professor of Practice. BSN University of Houston-Victoria; MSN Texas Women's University.

Beena Joseph, Professor of Practice/Clinical Learning Coordinator. BSN Kasturba Medical College, India; MSN University of Houston-Victoria; DNP in Healthcare Systems Leadership Chamberlain College of Nursing.

Lee Anne Lightfoot, Assistant Clinical Professor. BSN Alfred University; MS Nursing Education and Administration, Texas Woman's University.

Tracy McManaman-Bridges, Lecturer. BA Acadia University, Canada; MSN, Grand Canyon University.

Lenora A. McWilliams, Assistant Professor. BSN, University of Massachusetts; MS in Nursing Administration, University of Massachusetts; PhD, Texas Woman's University.

Danielle Quintana, Assistant Clinical Professor. BSN Thomas Edison State College; MSN Thomas Edison State College.

Patricia Schrader, Assistant Clinical Professor/Second Degree BSN Track Manager. BSN Baylor University; MSN University of Texas Health Science Center at Houston.

Shainy Varghese, Associate Professor. BSN Dr. M. G. R. Medical University, India; MSN Pediatric Nurse Practitioner (PNP), University of Texas Health Science Center at Houston; PhD University of Texas Medical Branch Galveston.

S. Wade, Assistant Clinical Professor. BSN, Tennessee State University; MSN, Tennessee State University; DNSc, University of Tennessee Science Center.



Optometry

Programs

Other Programs

zPre-Optometry

Master

Physiological Optics, MS

Doctoral

Optometry, OD

Physiological Optics, PhD - Vision Science

Dual Degree - Graduate

Optometry, OD / Physiological Optics, MS



About the College of Optometry

Office of Optometry Relations (Optometry Program)

(713) 743-2040

Graduate Program Office

(713) 743-1885

Office of the Dean

(713) 743-1889

Clinic Administrator

(713) 743-1886

Clinic Patient Appointments

(713) 743-2020

Optical Services

(713) 743-2030

Health Science Library

(713) 743-5462

Financial Aid Counselor

(832) 842-9024

Dean: Michael D. Twa, O.D., University of California-Berkeley; M.S., Ph.D., Ohio State University.

Associate Dean for Professional Studies: Kimberly A. Lambreghts, R.N., Pace University; O.D., SUNY College of Optometry.

Assistant Dean for Professional Studies: Ralph Herring, O.D., M.H.A., University of Houston.

Associate Dean for Graduate Studies and Research: Laura J. Frishman, John and Rebecca Moores Professor. Ph.D., University of Pittsburgh.



Associate Dean for Clinical Education and Professional Development: Marcus Piccolo, Executive Director, University Eye Institute and Surgical Services. O.D., Pennsylvania College of Optometry.

Assistant Dean for Clinical Education: Danica Marrelli, O.D., University of Houston.

Assistant Dean for Student Affairs: Melissa A. Mares

Chair, Department of Basic Vision Sciences: Vallabh E. Das, Benedict-Pitts, Professor. Ph.D., Chase Western Reserve University.

Chair, Department of Clinical Sciences: David A. Berntsen, O.D., University of Houston; M.S., Ph.D., Ohio State University.

General Information

The College of Optometry, housed in the Cora and J. Davis Armistead Building, is one of the University's fourteen colleges. Established in 1952, the college has seen unprecedented growth in patient care, didactic and laboratory facilities as well as student common areas. In 2013, its latest expansion, the Health and Biomedical Building 1, was built adjacent to, and connected with the Armistead building. This new addition houses an Ambulatory Surgical Center, a Refractive Surgery Center, and new classroom and laboratory spaces, making the optometric facility one of the most modern in the world.

Approximately, one hundred and five students are admitted into the professional optometric program each year from the United States and abroad. Accepted students must have a Bachelor's degree prior to matriculation into the professional program and are expected to have completed course work, including: biological science, advanced level biology, chemistry, organic chemistry, biochemistry, microbiology, statistics and psychology.

The college not only educates students planning to practice optometry, but also offers Master of Science and Doctor of Philosophy degree programs in physiological optics/vision science for students planning careers in teaching and research. Students who have a degree in biological or physical science or biomedical engineering with a special interest in vision or who are graduates of an optometry school or other professional health program may want to consider entering the graduate program.

Graduates from the professional optometric program may enter family practice or serve in multidisciplinary primary care clinics. Graduates also find careers in public health, teaching and research, industry and health administration. Residencies/fellowships are available in pediatric, primary care, contact lenses, rehabilitative, or hospital-based optometry. Special services for children, the elderly, and the partially-sighted can each be exclusively practiced. Helping to care for vision, our most treasured sense makes optometry a rewarding profession for students interested in a health career.

Professional Degree Program

<http://www.opt.uh.edu/future-students-residents/programs/doctor-of-optometry/>

The educational program in optometry requires four academic years and two summer sessions. All fourth-year students begin externships and specialty clinics just after the end of their third academic year. Two terms are devoted to external clinical rotations and one is spent at College of Optometry in advanced seminars and clinical practice in the University Eye Institute. Students must satisfactorily complete a total of 177 credit hours, at least seven hours of which must be in approved electives. With permission of the associate dean for graduate studies, students may also take graduate courses in physiological optics for elective credit in the professional degree program.

Graduate Program in Physiological Optics/Vision Science

<http://www.opt.uh.edu/future-students-residents/programs/graduate-program/>

The **Graduate Program in Physiological Optics/Vision Science** confers an MS, PhD or a dual degree for students already in the OD program, and prepares students to embark on a career in teaching and research in the basic and clinical science of vision.



Students are accepted into the MS or PhD program with a minimum of a BS degree (or equivalent) from a variety of fields such as optometry, physiological optics, vision sciences, medicine, ophthalmology, structural and functional biosciences, neuroscience, psychology, optics, optical engineering, bio- or electrical engineering, or biophysics.

The need for new knowledge in the vision sciences is great, and teaching and research opportunities are numerous in a spectrum of academic, industrial, and professional settings. Although the program has sufficient structure to provide a broad base of scientific knowledge about vision systems, it is at the same time appropriately flexible to permit students to develop expertise in areas of special interest. Students will join the labs of faculty mentors who are studying normal and abnormal visual processes, diseases and disorders of the eye, visual optics, the visual pathways, eye movement control systems, and the development of treatments to prevent loss of vision using a variety of approaches ranging from molecular and cellular, to behavioral and optical.

OD/MS Program

A combined OD/MS program is available to enrolled optometry students, who wish to pursue an MS degree in Physiological Optics/Vision Science concurrently with the doctor of optometry (OD) degree. OD students apply for the combined program in the Fall of their second year for admission in the Spring of that year. The combined program allows a student to obtain both degrees in four years. Entry into an accelerated PhD program is also possible for students who wish to enroll in a combined program. Applicants must submit separate applications to each program.

Other Educational Programs

The university also recognizes a responsibility to provide postgraduate clinical training, to bring continuing education to optometrists in the state and region, and to participate in the training of allied personnel.

Accreditation

The College of Optometry is accredited by the Accreditation Council on Optometric Education of the American Optometric Association.



Admission Requirements: College of Optometry

Graduate Program in Physiological Optics/Vision Science

The Graduate Program in Physiological Optics/Vision Science (<http://www.opt.uh.edu/academics/graduate/index.cfm>) confers an MS and/or PhD degree and prepares students to embark on a career in teaching and/or research in the basic or clinical science of vision. Students are accepted into the program with a minimum of a BS degree (or the equivalent) from a variety of fields such as optometry, physiological optics, vision sciences, medicine, ophthalmology, structural and functional biosciences, neuroscience, psychology, optics, optical engineering, bioengineering, and biophysics.

The need for new knowledge in the vision sciences is great, and teaching and research opportunities are numerous in a spectrum of academic, industrial, and professional settings. Although the program has sufficient structure to provide a broad base of scientific knowledge about visual systems, it is at the same time appropriately flexible to permit students to develop expertise in areas of special interest. Students will join the labs of faculty mentors who are studying normal and abnormal visual processes, diseases and disorders of the eye and visual pathways and the development of treatments to prevent loss of vision using a variety of approaches ranging from molecular and cellular, to behavioral and optical.

Admission Requirements for the MS/PhD Program:

Admittance to the graduate program in physiological optics/vision science normally requires the following:

- A Bachelor of Science degree from an accredited academic or professional institution comparable to the Bachelor of Science degree awarded at the University of Houston
- Sufficient training to undertake graduate study in physiological optics
- A grade point average of B (3.00) or above in all previous college-level work with particular attention being given to science courses
- Graduate Record Examination (GRE) general test. Historically, students who score below 300 total for verbal and quantitative sections, or 3.5 on the written/analytical section are typically not competitive.
- Satisfactory evaluation and recommendation by three professors or others familiar with the applicant's scholarship and research potential.
- Proficiency in speaking and writing English. International students whose native language is not English are expected to take a proficiency exam with a score of 213 or better - computer, 79-internet, on the Test of English as a Foreign Language (TOEFL) or the International English Language Testing Service (IELTS) with a score of 6.5 or better.
- For the OD/MS Program, a grade point average of B (3.00) or above for courses completed in Optometry school, and participation in research, generally in the OD summer research program during the summer between the first and second year.

Applying for Admission

For information on the application process to the graduate program (MS/PhD) in Physiological Optics and Vision Science, visit the graduate application information website.

Admission Requirements for the Professional (OD) Program:

Admission Requirements for the OD Program



To be eligible for admission, students must have a baccalaureate degree of any major and a grade of "C" or better in each required prerequisite course. While there is no minimum GPA required for application, the College of Optometry will generally not consider applicants with an overall GPA less than 3.00 to be competitive for admission. Students may apply for admission to the OD program while completing these requirements.

Letters of recommendation must be requested via and submitted directly to OptomCAS. UHCO requires two letters of recommendation, one of which must be from an academic mentor. This mentor could be a professor, an advisor, a coach, or any other individual capable of speaking to the applicant's academic preparedness in regard to their professionalism, dedication, intuition, character, integrity, wisdom, teamwork, responsibility, humanity, etc. The other letter of recommendation is strongly recommended to come from an optometrist with whom the applicant has worked or shadowed. A minimum of 20 hours of direct optometric experience is also required from at least two settings(e.g., shadowing/work experience from two optometric practices, ideally in varying modalities).

The College of Optometry requires that newly admitted applicants complete and successfully pass a Criminal Background Check (CBC) prior to matriculation. Offers of admission are contingent upon this CBC and upon the UHCO Admissions Committee review of its findings.

NOTE: Fourth-year Professional students will complete external clinical rotations which might require an additional CBC, these include but are not limited to all U.S Federal sites such as Veterans Affairs, military sites and Indian Health Services. This CBC is separate and in addition to the one completed as part of the admissions process and must occur approximately 6-12 weeks prior to the date the external clinical rotation begins and will be determined by the site.

All applicants must:

- complete an application via OptomCAS (<http://www.optomcas.org/>), during which the applicant will submit official transcripts of all post-secondary academic work, complete a brief essay, submit a minimum of three letters of recommendation, and list professional work and job shadowing experiences;
- pay the OptomCAS application fee of \$180.00;
- complete the UHCO supplemental application (available via the UHCO web site during open application periods); and
- pay the UHCO supplemental application fee of \$50.00;
- and, complete the Optometry Admission Test (OAT), the Medical College Admissions Test (MCAT); and/ or the Graduate Record Examination-general (GRE) in time for scores to be verified by March 30 prior to the term in which the applicant expects to enter the OD program.

Applications for admission via OptomCAS are accepted between July 1 and March 30 prior to the fall term in which the applicant expects to enter the OD program. All supporting materials are due by March 30 prior to the term in which the applicant expects to enter.

All supporting material should be sent to:

*The University of Houston College of Optometry
Office of Optometry Relations
4901 Calhoun Rd.
J. Davis Armistead Building
Houston, TX 77204-2020*

Prerequisite Coursework for Admission:

General Biological Sciences with Labs - 2 courses (8 credit hours)

Courses should be equivalent to those required for biological sciences majors

Coursework should be completed with a minimum grade of "C" and not more than five (5) years prior to the date of the application. Junior/ Senior-Level Biology related to Human Science - (8 credit hours). Part of this 8 credit hour requirement must include Junior/ Senior level human anatomy and physiology. It is highly recommended that these upper-division courses be taken at a four-year Institution



Any combination of human anatomy and physiology is acceptable, as long as both disciplines are covered. A single combined human anatomy- physiology course will be accepted as long as it is at least 3 credit hours. Please note: Freshman/ Sophomore- level courses will not satisfy this human anatomy and physiology course requirement

Acceptance of other advanced biology courses to satisfy the remaining prerequisite requirements is at the discretion of the Admissions Committee

It is recommended that applicants receive prior approval from the Program Manager for Admissions for applicable courses

Courses such as genetics, molecular biology, cell biology, neuroscience, mammalian physiology, immunology, histology, and endocrinology will be accepted to satisfy any remaining credits of the 8-hour requirement

Courses such as plant physiology, botany, ecology, biodiversity, or biotechnology will not be accepted

Coursework should be completed with a minimum grade of "C" and not more than five (5) years prior to the date of the application

Microbiology with Lab - 1 course (4 credit hours)

Courses should be equivalent to those required for biological sciences majors

Coursework should be completed with a minimum grade of "C" and not more than five (5) years prior to the date of the application.

Fundamentals of Chemistry with Labs - 2 courses (8 credit hours)

Courses should be equivalent to those required for biological sciences majors.

Coursework should be completed with a minimum grade of "C" and not more than five (5) years prior to the date of the application.

Organic Chemistry with Lab - 1 course (4 credit hours)

Coursework should be completed with a minimum grade of "C" and not more than five (5) years prior to the date of the application.

Biochemistry - 1 course (3 credit hours)

Coursework should be completed with a minimum grade of "C" and not more than five (5) years prior to the date of the application.

General Physics with Labs - 2 courses (8 credit hours)

Courses should be equivalent to those required for biological sciences majors.

Courses should have an optics section dedicated to the study of wave theory and the propagation of light. Calculus-based physics is not required; trigonometry- or algebra-based physics is acceptable.

Coursework should be completed with a minimum grade of "C" and not more than five (5) years prior to the date of the application.

Calculus - 1 course (3 credit hours)

It is recommended (but not required), that applicants take one or more courses in algebra, trigonometry, pre-calculus, and/ or analytical geometry in addition to calculus.

Coursework should be completed with a minimum grade of "C" and not more than five (5) years prior to the date of the application.

Statistics - 1 course (3 credit hours)

Coursework should be completed with a minimum grade of "C" and not more than five (5) years prior to the date of the application.

Psychology - 1 course (3 credit hours)

Coursework should be completed with a minimum grade of "C" and not more than five (5) years prior to the date of the application.

Standardized Entrance Examinations:

As of July 1, 2019, UHCO accepts scores for: the OAT, MCAT, PCAT, DAT, and GRE. Applicants may choose to complete any or all of these exams; however, competitive preference may be given to completion of the OAT. Official scores must be received by the UHCO Office of Optometry Relations no later than March 30 prior to the fall term during which the applicant intends to matriculate.

Optometry Admission Test (OAT):



The OAT is a standardized examination sponsored by the Association of Schools and Colleges of Optometry. It is designed to measure general academic ability and comprehension of scientific information and accepted by all schools and colleges of optometry in the U.S. and the University of Waterloo, Canada. The OAT consists of: survey of the natural sciences (biology, general chemistry and organic chemistry), reading comprehension, physics and quantitative reasoning. At least one year of college education; which should include courses in biology, general chemistry, organic chemistry and physics, is required prior to taking the OAT. Although examinees are able to take the OAT's an unlimited amount of times; waiting at least 90 days between attempts, only scores from the four most recent attempts are reported. The total number of attempts will also be reported.

While there is no minimum score required for admission to UHCO's OD program, a Total Science and Academic Average score of 330 (200-400 scale) is considered competitive. For subject information, application to take the OAT, scoring procedures, study guides, and more, please visit: <http://www.ada.org/en/oat>. Additional information may be found at <http://www.opted.org> or call:

Optometric Admission Testing Program

800-232-1694

General Record Examinations (GRE):

The GRE General Test is a standardized examination that is owned and administered by the Educational Testing Service (ETS). It is designed to measure verbal reasoning, quantitative reasoning, analytical writing, and critical thinking skills. GRE Subject Tests are available in Biology, Chemistry and Physics; however, these are optional and may be taken in addition to the General Test.

While there is no minimum score required for admission to UHCO's OD Program, a Verbal Reasoning and Quantitative Reasoning score of 150 (130-170 scale), and an Analytical Writing score of 3.5 (0-6 scale) is considered competitive. For subject information, application to take the GRE, scoring procedures, study guides, sending scores and more, please visit: www.ets.org/gre.

Medical College Admission Test (MCAT):

The MCAT is a standardized, multiple-choice examination designed to assess problem solving, critical thinking, and knowledge of natural, behavioral, and social science concepts and principles. The exam covers biological and biochemical foundations of living systems, chemical and physical foundations of biological systems, psychological, social and biological foundations of behavior and critical analysis and reasoning skills.

While there is no minimum score required for admission to UHCO's OD Program, a Total score of 501 (472- 528 scale) is considered competitive. For subject information, application to take the MCAT, scoring procedures, study guides, sending scores and more, please visit: <https://students-residents.aamc.org/applying-medical-school/taking-mcat-exam/>.

Two (2) Letters of Recommendation:

Letters of recommendation must be requested via and submitted directly to OptomCAS. UHCO requires two letters of recommendation, one of which must be from an academic mentor. This mentor could be a professor, an advisor, a coach, or any other individual capable of speaking to the applicant's academic preparedness in regard to their professionalism, dedication, intuition, character, integrity, wisdom, teamwork, responsibility, humanity, etc. The other letter of recommendation is strongly recommended to come from an optometrist with whom the applicant has worked or shadowed. A minimum of 20 hours of direct optometric experience is also required from at least two settings (e.g., shadowing/work experience from two optometric practices, ideally in varying modalities).

Supplemental Application:



OptomCAS does not provide all of the information required by the College of Optometry. Therefore, applicants will be required to complete a UHCO Supplemental Application. This application will be available at: <http://www.opt.uh.edu>; only after an OptomCAS application is submitted and an OptomCAS ID is generated. The UHCO Supplemental Application ID will be the same as the OptomCAS ID. A fifty-dollar (\$50 US), non-refundable application fee is required. The OptomCAS application, UHCO Supplemental Application and all supporting materials must be completed and received by the University of Houston College of Optometry, Office of Optometry Relations by March 30 prior to the Fall term in which the applicant is expected to enter. It may take 4-6 weeks after submission for the OptomCAS application to be verified by OptomCAS and delivered electronically to the College. For more information, visit <http://www.opt.uh.edu>.

Interview:

An interview is required for admission, and competitive applicants will be invited for on-campus interviews until the class is filled.

Criminal Background Check:

The College of Optometry requires that newly admitted applicants to the Professional Optometric Program, complete and successfully pass a Criminal Background Check (CBC) prior to matriculation. Offers of admission are contingent upon the outcome of the CBC which will be reviewed by the UHCO Admission Committee. Students are expected to complete a second CBC in their fourth professional year, prior to beginning external rotations (externships) at all US Federal Clinical sites (VA Hospitals, military sites, Indian Health Services). This CBC is required 6-12 weeks prior to the date the externship begins and/or as determined by the site.

Immunization Requirements:

An applicant accepted into the University of Houston College of Optometry Professional Program must present proof of adequate immunization against: rubeola (common measles), rubella (German measles), mumps, varicella (chickenpox), tetanus and Hepatitis B, prior to the beginning of the first Professional year.

A negative TB skin test or chest clearance must be documented no sooner than three months prior to beginning the fall term of the first professional year. Thereafter, a student must submit documentation of a negative TB skin test or chest clearance to the University of Houston College of Optometry Office of Optometry Relations.

Transfer Students:

In order for a student to be considered for transfer from another professional optometry program, the student must have satisfactorily completed a minimum of one year of coursework and be in good academic standing in a school or college of optometry accredited by the Accreditation Council on Education of the American Optometric Association. The student must also submit an official transcript, a letter stating the reasons for the transfer request, and a letter from his/her current dean supporting the request for transfer to UHCO. Unless the student is in the upper half of the class and presents justifiable reasons for requesting a transfer, such requests are ordinarily denied. The transfer student decision is based on space available in the class and compatibility of curricula between the two schools.

Master of Science Track

The Master of Science (MS) track requires about two years of study, including 30 credit hours of coursework and research, teaching experience, and a research project with a written thesis. The thesis committee must consist of a minimum of three faculty members, at least two of which are from within the graduate program; one member may be external to the program, from academia or industry, and is



approved by the graduate program. Acceptance into the full-time MS program is often accompanied by program financial support, teaching or research assistantships. A combined OD/MS program is also offered.

Combined OD/MS Track

A combined OD/MS program is available for enrolled optometry students who wish to pursue a Master's of Science (MS, in Physiological Optics and Vision Science) degree concurrently with the doctor of optometry (OD) degree. This program runs simultaneously with the OD program, with students entering in the second year of the OD program. In addition to a total of 30 semesters hours of coursework (12 overlapping with OD coursework) and research hours, the combined OD/MS program requires a written thesis based on original research. The thesis committee is of the same composition as for MS students. The research project can be an extension of prior research, such as during optometry's federally funded summer research training program for OD students.

Doctor of Philosophy Track

The Doctor of Philosophy (PhD) track normally requires at least four years of study, including 60 credit hours of coursework and research hours, teaching experience, a foreign language or research skill, qualifying examinations, and a written dissertation based on a body of original research. Dissertation committees for PhD students must consist of a minimum of four members, including three faculty members from the graduate program, and one member external to the graduate program from academia and/or industry who is approved by the graduate program. Acceptance into the full-time PhD program is generally accompanied by program financial support, teaching or research assistantships. Placement in an accelerated PhD (OD/PhD) program for OD/MS students is **also offered**.



Academic Policies and Procedures: College of Optometry

Introduction

These policies were developed in accordance with the General Provisions of the University of Houston Academic Honesty policy: "Honor systems within the professional colleges are especially encouraged." This document establishes the policies and procedures governing academic and clinical performance, as well as the general principles and expectations regarding ethical and professional conduct that apply to students taking courses in the professional program within the College of Optometry. This document was drafted by the college Academic Committee and is based on existing principles and practices established by the *University Student Handbook*, *College Student Handbook*, and *University Eye Institute Policies Manual*. Where applicable, the language, policies, and definitions are meant to conform to the University of Houston's academic policies as defined in the student handbook. However, these policies and procedures are intended to address the unique standards of academic performance and conduct expected of health-care professionals.

General Definitions

Class Day-Class days, for purposes of developing timelines in this policy, are defined as days that the College of Optometry is open and classes are meeting (excluding Saturdays and Sundays) as posted in the college Academic Calendar and are defined here for the purpose of establishing timeline uniformity.

Sanction-Sanction means the penalty assessed for academic or clinical performance failures or violation of the Academic Honesty Policy and Professional Conduct Code. Typical sanctions include, but are not limited to a lowered grade, failure on an examination, assignment, or course, and may also include:

Probation-refers to a level of academic standing between good standing and dismissal. Additional rules and standards may apply to students with probationary status.

Suspension-temporary dismissal from the college. Future readmission is possible under limited circumstances. Suspensions typically stand for one academic year, unless otherwise specified by the Academic Committee as the result of an academic hearing for appeal of the suspension.

Expulsion-permanent dismissal from the college without the possibility of future readmission.

Instructor-Instructor refers to individuals such as a faculty member, lecturer, teaching assistant, resident doctor, or teaching fellow in a given course or course section.

Student-Student refers to any individual who has ever enrolled and paid (made a complete payment or has made at least one installment payment) for a course, or courses at the University of Houston. This definition would normally include undergraduate students, graduate students, post-baccalaureates, professional school students and individuals auditing courses.

Notification-All required written notices shall be addressed to the student via their UH email or US mail at his/her mailing address as it appears in University of Houston records. It is the responsibility of the student to keep his/her current email and mailing address up to date in his/her student record (my.uh.edu). A notice properly addressed and so sent shall be presumed to have been received by the student. Additionally, communications from the student to faculty, staff, or administrators should be delivered in person, sent via overnight mail, or sent via their official University email account. Communications sent from a personal email account will not typically be accepted.

Grievances-Students have the right to file grievances regarding actions that are unjust or in error. Whenever possible, student grievances against a faculty member should be resolved through student communication with the faculty member. If that is not possible or the matter cannot be resolved, any grievance relating to matters other than those specifically addressed under these Academic Policies and Procedures may be filed following the University of Houston Grievance Policy and Procedure for Graduate, Professional, and Post-baccalaureate Students.

1. General Rules and Procedures



1.1 Academic Grading Policies & Student Responsibilities

The instructor of record determines final course grades. All final grades are reported by the coursemaster and displayed on the student's *my.uh.edu* account.

The faculty of the college has the responsibility of determining a student's qualifications to practice optometry. Personal integrity, initiative, motivation, and a professional attitude are essential attributes of optometrists. Therefore, while the grading of written, oral, and practical examinations represents the basic source of evaluating performance, these additional factors may be considered in determining the final grade in a given course.

Students are responsible for their own academic performance and should seek assistance when needed, as illustrated below.

The burden to seek support prior to earning poor grades rests with the student.

It is prudent for a student to report life circumstances that may be detrimental to the student's performance to the Associate Dean for Professional Studies, the Assistant Dean for Student Affairs, or a faculty advisor before they result in failing grades, probation or suspension. This enhances the consideration of these facts if they are later called into question.

A student should seek tutoring in areas of weakness **before** they become matters of academic record and should be prepared to document this action if it becomes necessary.

Students who believe they have a disability requiring an academic adjustment/auxiliary aid or other accommodation are encouraged to contact the Assistant Dean for Student Affairs in the Office of Optometry Relations within the first two weeks of class for assistance in filing requests for special accommodations, or promptly following a new diagnosis that occurs mid-semester. It is ultimately the student's responsibility to initiate requests for special accommodations. Accommodations will not be rendered until the approval process has been completed by main campus.

It is the responsibility of each student to know his/her academic status before attempting to matriculate for the subsequent semester. Academic actions are based only upon the student's record in the University of Houston College of Optometry professional curriculum and will be taken at the conclusion of fall, spring and summer terms. The grade point average (GPA) for the professional program in optometry is calculated and recorded at the conclusion of fall, spring, and summer terms and shall be used as the basis for determining matriculation in, or probation and suspension from the College of Optometry. The GPA is calculated by dividing the total grade points earned (each weighted for associated semester hours) by the total semester hours of credit; see section 1.4 Grade Point Average (GPA). Grades earned at another institution, in the pre-optometry curriculum at University of Houston, or in any other University of Houston curriculum except the professional optometry program shall not be used in calculating the GPA. If any course in the professional program is repeated for any reason, both course grades are used in calculating the GPA. While grades earned for courses completed at another university are not used to calculate the GPA, course credit may be accepted at the discretion of the Dean on recommendation of the Admissions Committee.

1.2 Grades

Grades in the College of Optometry shall be awarded in each didactic and laboratory course at the end of each term. The criteria to earn a given letter grade in a course will be established individually by each coursemaster, including the percentage earned that corresponds to each letter. Instructors may use any of the following letter grade categories, including plus and minus designations, if they choose.

- | | |
|---|--|
| A | <i>EXCELLENT</i> - Demonstration of consistent outstanding performance in the comprehension and interpretation of the subject. |
| B | <i>GOOD</i> - Demonstration of comprehensive knowledge of the subject and marked ability to interpret it. |
| C | <i>FAIR</i> - Demonstration of an acceptable level of subject knowledge. |
| D | <i>MARGINAL</i> - Demonstration of a minimal passing level of understanding. |



F *FAILING* - Demonstration of major factual or conceptual errors; inability to achieve course requirements or withdrawal while not performing satisfactorily.

S & U Grades of *S (Satisfactory)* and *U (Unsatisfactory)* may be awarded in certain cases.

I *INCOMPLETE* - The grade of *I (Incomplete)* is a conditional and temporary grade given when a student is passing a course but, for reasons beyond his/her control, has not completed a relatively small part of all requirements. The student is responsible for informing his/her instructor immediately of the reason for not submitting an assignment on time or not taking an examination. The grade of *I* must be changed to a letter grade by fulfillment of course requirements within one academic year of the date awarded, or it will be changed automatically to an *F*. Only if the Dean grants an administrative withdrawal may an *I* be changed to a *W*.

W *WITHDRAWN* - The grade of *W (Withdrawn)* indicates that (a) the student was passing, or (b) no evaluative data were available at the time the student dropped the course. The grade of *W* is assigned only to a course dropped after the last day to drop without receiving a grade, and before the final day to withdraw (students may, with approval of the instructor and the advisor, drop courses at any time until the beginning of final examinations). It is the responsibility of the student to initiate action to drop or withdraw from classes. A student who fails to do so will be retained on the class rolls even though he/she may be absent for the remainder of the semester. In such instances a grade of *F* will be assigned unless the conditions for a grade of *I* have been met.

• The symbol (•) may be used to indicate that a student is performing satisfactorily in a course that continues beyond a given grading period.

1.3 Grade Points

Once an instructor has assigned a letter grade, grade points are assigned by the University according to the following table for the calculation of grade point average.

Grade	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
Points	4.00	3.67	3.33	3.00	2.67	2.33	2.00	1.67	1.33	1.00	0.67	0.00

1.4 Grade Point Average (GPA)

The grade point average is the quotient obtained by dividing the total number of grade points earned (each weighted for associated semester hours) by the total number of semester hours in which a student is enrolled. Per University policy, GPAs are truncated to two decimal places and not rounded. Required courses assigned a grade of *F* must be repeated until they are passed, and all of these grades must be used to calculate the GPA.

Grades of *S*, *U*, *I*, *W*, and (•) are not assigned grade point values and are not used in the computation of the grade point average. Grades of *S* and *U* will be used in consideration of appeals of academic suspension or probation. Although elective credit hours are used to calculate semester and cumulative GPAs, in cases of appeals of academic suspension, the Academic Committee strongly weighs performance in the core curriculum rather than elective courses when evaluating a student's likelihood for future success.

1.5 Scholastic Honors

At the end of each semester, the Office of Optometry Relations will compile the Dean's List for those students in each class whose cumulative grade point average and last semester grade point average are 3.50 or above. The grade of *S* is not included in this calculation. Students who earn a grade of *I* (except in a thesis course), *D*, *F*, or *U* during the semester are excluded from consideration for the Dean's List.



Students who earn a grade point average between 3.75 and 4.00 for the entirety of their optometry course work are eligible to graduate *summa cum laude*. Those who earn a cumulative grade point average between 3.50 and 3.74 are eligible to graduate *magna cum laude*.

The University of Houston chapter of Beta Sigma Kappa, the national optometric honor society, offers membership to students who maintain at least a 3.50 cumulative grade point average at the end of each professional year.

Phi Kappa Phi is a national university honor society that offers membership to students meeting its academic and personal standards. In addition, each year the college awards honors based on excellence in various aspects of academic performance and patient care.

1.6 Clinical Grading Policies

A clinical instructor will evaluate each student on every patient encounter on the basis of whether the student has met the behavioral objectives (refer to the current *Student Handbook* for a listing of the behavioral objectives) for a variety of performance categories. In addition, clinical instructors will determine an overall performance rating for the student for each patient encounter. Clinical instructors will complete a midterm and/or final evaluation at the end of each grading period and discuss performance with each student.

1.7 Clinical Grades

The following clinical grade categories are assigned to individual patient encounters, as well as the midterm, and final evaluations:

Excellent (5) Students may receive a grade of excellent if they demonstrate outstanding performance well beyond expectations based on the behavioral objectives outlined in the University Eye Institute (UEI) Policies Manual. A student who competently manages a case, demonstrates in-depth understanding of the case, and can work independently with no difficulty with decision making appropriate for the level of the student (i.e. 2nd year vs. 4th year) is eligible for a grade of excellent.

Above Expected (4) Students may receive a grade of above expected if they demonstrate performance at an above average/above expected level based on the behavioral objectives. A student who demonstrates some independence while managing a case in a complete and timely fashion, appropriate for the level of the student is eligible for a grade of above expected.

Expected (3) Students will receive a grade of expected if they exhibit performance at an expected level commensurate with their experience. This performance level should not deviate significantly from the behavioral objectives.

Below Expected / Probation (2) Students will receive a grade of below expected/probation if they demonstrate performance deficiencies in one or more areas which deviate significantly from the behavioral objectives, but not sufficiently to constitute failure, as defined below.

Failure (1) Students who demonstrate serious deficiencies in examination skills, assessment and/or a treatment plan which jeopardize the patients' health, comfort and/or visual efficiency, will receive a grade of *failure*. Other reasons for a grade of failure include, but are not limited to, failure to observe and/or record obvious ocular abnormalities or maintain adequate records.

Determination of final clinical course grades:

The Clinical Coursemaster(s) for each clinical year, in consultation with attending clinical instructors, will assign the final course grades based on individual patient-encounter evaluations, midterm and final evaluations from all clinic rotations.

Satisfactory (S) Students who achieve a clinical grade of Expected (3) or higher in *ALL* of their clinic rotations, will be assigned an overall clinical course grade of *Satisfactory (S)* for the term.

Incomplete (I) Students who achieve a clinical grade of *Below Expected/Probation (2)* in *ONE* clinical rotation will receive an overall clinical course grade of *Incomplete (I)* for the term. See section 4.1 Academic Sanctions for Clinical Grades, for an expanded explanation of sanctions.

Unsatisfactory (U) Students who achieve a clinical grade of *Failure (1)* in one clinical rotation *OR Below Expected/Probation (2)* in two or more clinical rotations will be given an overall clinical course grade of *Unsatisfactory (U)* for the semester. See section 4.1 Academic Sanctions for Clinical Grades for an expanded explanation of sanctions.



1.8 Clinical Letter of Excellence

The clinical instructors, in coordination with the appropriate clinical coursemasters, will identify candidates for *Clinical Letters of Excellence*. Candidates must have achieved *Excellent* (5) performance in the majority of their clinical rotations and may not have earned less than *Expected* (3) performance in any rotation. A Letter of Excellence is not awarded on the basis of performance in any one individual rotation but rather is determined by a compilation of performance in all clinics. Clinical coursemasters will individually inform students who have been selected to receive Letters of Excellence, after which time official recognition will be distributed by the Assistant Dean for Professional Studies.

2. Academic Committee

The Academic Committee is a standing college committee, whose charge is to: develop rules and guidelines for academic performance of students, consider requests by students for leaves of absence, serve as the hearing body to decide the outcomes of student appeals of academic suspensions, and evaluate allegations against students regarding academic dishonesty and/or unprofessional conduct to affirm or dismiss such allegations and determine any associated consequences such as academic dismissal or repetition of course work.

2.1 Academic Committee Composition

The college Academic Committee shall consist of 6 faculty members (a non-voting chair and 5 voting members) and two voting students. The committee will be appointed by the Dean from the faculty and currently enrolled students from the professional program of the college. Appointment to the committee is solely the Dean's decision and not the result of an individual's request to participate on the committee. The chair of the committee is a faculty member appointed by the Dean to conduct and preside over hearings, ensure adherence to the policies described herein and facilitate communications among parties involved regarding the actions and recommendations of the committee. Committee members who have a conflict of interest for a given case (e.g. initiated charges of academic dishonesty or unprofessional conduct, or were material witnesses to the incident) shall be recused from voting on the case in question. Any student for whom a hearing is being conducted may also request that a committee member (faculty or student) be recused if a conflict exists, consistent with the process outlined in section 9.4 Student Counsel and Resources. If any member is recused or unavailable to attend the hearing, the Dean will appoint a temporary replacement to maintain a minimum of 5 voting faculty members and 2 students at each hearing. If the committee chair has a conflict of interest for a given case, the committee will elect a replacement from the existing faculty committee members to serve as the temporary chair for all matters pertaining to that case and the Dean will appoint a temporary voting faculty member to replace that faculty member and maintain 5 voting faculty members for the hearing.

2.2 Duties of the Academic Committee Chair

- Set and give notice of the time and place of the college hearing;
- Oversee the collection and preparation of materials to be reviewed at the hearing;
- Conduct the hearing in an orderly manner so that both sides are given an opportunity to state and clarify (in response to questions from members of the committee) their case;
- Rule on procedural matters;
- Participate in the committee's deliberations and facilitate discussion of the committee;
- Prepare and submit a copy of the decision to the student, Dean, Associate Dean for Professional Studies, relevant Department Chair, Office of Optometry Relations, and, when relevant, the faculty member initiating charges against the student;
- Serve as the committee liaison to the Dean related to student appeals of committee decisions;
- Conduct additional committee review of student appeals of committee decisions to the Dean;



Participate in the review and approval/denial of waivers of academic hearings related to unprofessional conduct or academic dishonesty;

Investigate grade change requests by students facing academic or clinical probation or suspension.

2.3 Duties of the Academic Committee

The Academic Committee serves as the standing committee of the faculty to hear appeals and render decisions on the following academic issues:

Academic and Clinical Probation: Probation is automatic under the rules described in section 3.1 Academic Sanctions: Probation and Suspension and section 4.1 Academic Sanctions for Clinical Grades; it does not require action by the committee. However, if a student believes that the determination of probation was made in error, he/she may attempt to resolve this matter with the Associate Dean for Professional Studies who may set aside the probation in instances of clerical error. If not resolved, the student may appeal to the Academic Committee.

Academic and Clinical Suspension: Suspension is automatic under the rules described in section 3.1 Academic Sanctions: Probation and Suspension and section 4.1 Academic Sanctions for Clinical Grades; it does not require action by the committee. If extenuating circumstances exist, the student may appeal their suspension to the Academic Committee. If a student receives an incomplete (I) during the semester that the student is placed on suspension, the Academic Committee will not consider the final grade received for the course even if the coursework is completed prior to the date that the student files an appeal for reinstatement.

Grade Disputes: The awarding of grades is the responsibility of the course instructor. Because assigning a grade or evaluating a student's work performance involves the faculty member's professional judgment and is an integral part of faculty teaching responsibilities, disagreement with an instructor concerning a grade or evaluation is not a justifiable grievance to be considered under this policy unless a violation of university, college, or department academic policies or procedures can be shown to have affected that grade or evaluation. If a student wishes to dispute or appeal a course grade, he or she should first discuss the matter with the responsible instructor. Alternatively, the student may wish to arrange a joint consultation with the instructor and the applicable Department Chair. Continued requests of a faculty member to alter a grade after justification has been given is considered unprofessional conduct (see section 6.2 Acts of Unprofessional Conduct), and thus if the matter is not satisfactorily resolved, the student may appeal to the Associate Dean for Professional Studies in writing to request a hearing of the appeal by the Academic Committee. If a request for appeal is determined by the Associate Dean for Professional Studies to warrant a hearing, the Academic Committee Chair will set a date for the hearing following the process outlined in section 9 College Academic Hearing Procedures. The decision of the committee is the final determination of a grade appeal.

Grade Disputes for Students on Probation or Facing Suspension: A student who is on probation or facing suspension shall not use this information to influence an instructor to issue a higher grade or to change a grade. Therefore, any student who is on probation or facing suspension must make grade change requests through the Academic Committee Chair as described below. If a student approaches an instructor seeking a grade change which would have the effect of removing the student from suspension or probation, and tries to influence the instructor by implying that the instructor is somehow responsible for the student's suspension, the student may also be charged with unprofessional conduct (see section 6.2 Acts of Unprofessional Conduct).

If a student requests a grade change through the Academic Committee Chair, the Chair will serve as the intermediary between the student and the faculty member by communicating the request directly to the faculty member, collecting the response, and delivering it to the student. If the outcome of the grade change request is not satisfactory to the student, the student may then appeal to the Associate Dean for Professional Studies in writing to request a hearing of the appeal by the Academic Committee. If a request for appeal is determined by the Associate Dean for Professional Studies to warrant a hearing, the Academic Committee Chair will set a date for the hearing following the process outlined in section 9 College Academic Hearing Procedures. If the student is simultaneously requesting an Academic Committee hearing for an appeal of an academic/clinical suspension, the Academic Committee will hear the case involving the grade appeal first. The time transpiring between the request for a grade appeal hearing and the rendering of the committee's decision will not be counted against the timeline to conduct the hearing for appeal of the academic/clinical suspension, but will instead be counted beginning from the completion of the grade appeal process, if the suspension appeal hearing is still requested by the student. The decision of the committee is the final determination of grade appeals.



Requests for a Leave of Absence: Requests for Leave of Absence should initially be presented to the Associate Dean for Professional Studies who may recommend to the Dean the granting of the request and may outline requirements for return to the college. If the circumstances surrounding the request are complex, or if the student is not in good academic standing, the Associate Dean must refer the request to the Academic Committee. The committee will consider issues which the student believes would justify a leave of absence from the professional program. Students wishing to receive this type of consideration must submit written requests to the Associate Dean. Should the student be denied a leave of absence by the Associate Dean, the student may appeal that decision to the Academic Committee. Decisions of the Academic Committee may be further appealed to the college Dean following the process outlined in section 9.13 Right to Appeal.

Allegations of Academic Dishonesty and Unprofessional Conduct: The objective of a hearing on academic dishonesty or unprofessional conduct is to assess allegations of student violations of college and/or university policy. When it is concluded that violations did occur the committee will determine the appropriate sanctions.

Extension of Educational Program: Students in good standing may develop a plan for extending their educational program beyond the minimum time of four years. Such plans should be submitted to the Associate Dean for Professional Studies. The Academic Committee will then be asked to judge the necessity of the extension and the academic feasibility of the student's plan. Upon receiving the committee's positive recommendation, the Associate Dean will be responsible for providing final approval of the plan. In the case that the Academic Committee does not recommend an extension of the education program, students may further appeal their case to the college Dean as outlined in section 9.13 Right to Appeal.

Design of Remedial Curricula or Altered Course Sequences: The Academic Committee, in consultation with the Associate Dean for Professional Studies, the relevant Department Chair, and the appropriate clinical and didactic coursemasters will provide input on the design and intent of remedial schedules or altered course sequencing for students that require remediation or special circumstances. While this may most often be required for students having academic difficulty, altered schedules may also be considered for students in special circumstances upon written appeal to the committee for consideration. In developing remedial schedules or altered course sequences, all course prerequisites will be taken into account and the altered schedule will also need to be deemed academically and educationally sound. In other words, even if all prerequisites for a given course have been completed, students may still be instructed to delay entry into a particular course until enrollment is deemed to be educationally sound in the context of the student's academic and clinical trajectory.

3. Academic Probation and Suspension

3.1 Academic Sanctions: Probation and Suspension

A full-time student in the professional program shall be placed on academic probation at the end of any term or summer session in which his/her semester GPA falls below 2.00. A full-time student shall be suspended from the professional program for academic reasons under any of the following conditions:

- The student earns a semester grade point average of 1.00 or below in any term;
- The student earns a grade lower than a "C" (i.e. C- or lower) in four or more courses in any term;
- The student is placed on probation (either clinical or academic) for two terms (consecutive or nonconsecutive), including any fulltime summer session;
- The student's performance results in *both* academic and clinical probation (see section 4.1, Academic Sanctions due to Clinical Performance, and section 4.2, Procedures for Clinical Probation, Failure, and Suspension) in the same term;
- The student earns an overall failing grade on the 2nd year clinical competency examination after 2 attempts (initial attempt and 1 re-take) and either entered or completed the 2nd year fall term on academic probation;
- The student's cumulative grade point average falls below a 2.00 in any term after the first term in the program;
- The student receives a grade of less than "C" (i.e. C- or lower) when repeating a course;
- A student who is otherwise in good academic standing fails to successfully pass the 2nd year clinical competency examination 3 total times (initial attempt, 1st re-take, and 2nd re-take after completing one semester of clinical skills remediation).

3.2 Automatic Sanctions



Academic probation and suspension are automatic and do not require any initiating or confirming action by the Dean, the Academic Committee or any other administrative unit. The Associate Dean for Professional Studies will notify students regarding these sanctions and place a letter in the student's academic file via the Assistant Dean for Student Affairs concerning the student's status of probation, or suspension. Unsuccessful notification for any reason does not abrogate these sanctions. It is the responsibility of each student to know his/her academic status before attempting to matriculate for the subsequent term.

3.3 Appeal of Academic Sanctions

Exceptions from academic or clinical sanctions may be granted on appeal. **The student must initiate any and all appeals procedures.** Appeal of academic and/or clinical sanctions (probation or suspension) within the College of Optometry shall be filed by the student in writing, as described in Appendix 1 Item 4 of this document, and delivered either in person, via overnight mail, or electronically via the student's official University email account to the Academic Committee Chair within 5 class days of student notification by the college. Appeals of academic sanctions are heard by the college Academic Committee, as described in section 9 of this document. A student may further appeal decisions of the Academic Committee to the Dean of the college; however, the basis for appeals of Academic Committee decisions is limited to serious procedural errors in the appeals process that could have affected the outcome, or to instances in which substantial new evidence that was previously unknown to the student became available only after completion of the Academic Committee hearing. Non-disclosure of issues existing at the time of the hearing will not be considered grounds to appeal the Academic Committee's decision. Electronic communications must be sent via the student's official University email account. Requests for an extension of time to file an appeal may be granted at the discretion of the Academic Committee Chair. A student considering an appeal must consult with the Assistant Dean for Student Affairs in the Office of Optometry Relations and may also seek other guidance to help prepare an appeal.

3.4 Sanctions under Appeal

Students who have been suspended and have an appeal in process are permitted to continue in the college as long as the appeal is pending; however, all normal prerequisite requirements for curriculum still apply, and thus a student appealing an academic suspension may only be eligible to continue in a subset of the typical curriculum, depending upon the prior grades earned. This modified or altered curriculum also needs to make sound academic and educational sense and therefore might not include courses the student would otherwise be eligible to take based on prerequisite requirements. Sanctions do not become final and may not be applied while any appeal permissible under these policies is pending. If an automatic suspension is overturned as a result of an academic hearing, the student may still be required to drop current courses, and/or remediate previous courses, dependent upon the conditions set by the committee at the time the suspension is overturned.

3.5 Exceptions to Academic Sanctions

Exceptions to automatic academic sanctions will be determined by the Associate Dean for Professional Studies, with written notification to the Academic Committee Chair and may be granted in the following circumstances:

A student who has been placed on academic probation at the end of one term who fails to raise their cumulative GPA above a 2.00 in the subsequent term (an outcome which would ordinarily result in suspension), but nevertheless achieves a term GPA of 2.5 or better and has no individual course grade below a C, may not be suspended. If the suspension is set aside for this reason, the student will remain on academic probation.

Students placed on suspension for academic reasons may continue in the professional program only with the recommendation and under the conditions specified by the Academic Committee. These conditions may exceed those demanded of students at the same level who are not on probation or suspension. In these rare circumstances, the student's status will be probationary. Removal from probation will require that the student meets all stipulations specified by the Academic Committee and will not occur automatically when the cumulative GPA is raised to 2.00 or higher.

3.6 Readmission after Academic Sanctions

Students on suspension who fail to matriculate for a particular term either because they did not file an appeal within 5 days of notification of their suspension, or such an appeal was denied, must apply to the Admissions Committee if they wish to be considered for readmission to



the College of Optometry. Applications must be filed in the same manner as any new applicant to the program within the standard admissions cycles posted on the college website. The suspension typically stands for a period of at least one academic year, but may be lesser or greater as determined by the Academic Committee at the time of appeal. The student may not be re-admitted until the suspension period is complete. Previously suspended students can only be readmitted by the Admissions Committee following consultation between the Admissions Committee and representatives of the Academic Committee, and will be considered with other current applicants to the college (i.e. will not be given priority over other applicants). The Admissions Committee will determine whether admission will be granted while the Academic Committee will determine the level at which the student is readmitted. Any student readmitted at a level other than the fall term first year will be on probation for a minimum of one semester following readmission. During this time, the Associate Dean for Professional Studies must approve the student's class schedule. The Academic Committee will recommend which courses, if any, must be repeated. For students readmitted at any level other than fall term first year, suspension does not require two terms below a 2.00 but may occur at any time the student fails to satisfy any of the stipulated requirements defined at the time of readmission.

4. Clinical Probation and Suspension

The University of Houston College of Optometry is committed to producing competent clinicians who can render appropriate eye care and therapeutic treatment to their patients. In order to achieve this goal, students must successfully complete and pass all of their clinical rotations.

4.1 Academic Sanctions for Clinical Grades

CLINICAL PROBATION: Students who are assigned a grade of *below expected/probation* in any one clinic rotation at the final evaluation will receive an overall grade of *incomplete* for their clinical coursework and will be placed on clinical probation. If a student achieves *expected* performance or better in all of his/her rotations during the following term, then the grade of *incomplete* for the previous term will be changed to *satisfactory*. Nevertheless, a record of the clinical probation will be retained in the student's academic file for the purpose of identifying students who receive more than one term of clinical probation during their enrollment at the College of Optometry (see the paragraph below). A student cannot advance to the next clinical year while on clinical probation.

SUSPENSION: Students placed on clinical probation must demonstrate *satisfactory* performance in all rotations (perform at the level expected for a student at that point in the program) by the end of the next term or the student will receive a grade of *unsatisfactory* for both terms and will be suspended from the college. Any combination of two terms (not necessarily sequential) of *probation* OR *unsatisfactory* grades will result in suspension from the College of Optometry. Any clinical probation earned over the course of the student's career may count toward this suspension, irrespective of whether the student successfully repeated the probated clinic (as described in the paragraph above). Clinical assignments, if any, for students on suspension awaiting appeal will be determined by the Associate Dean for Professional Studies in consultation with the appropriate coursemaster(s) and service director(s).

4.2 Procedures for Clinical Probation, Failure, and Suspension

Optometry II. Students placed on clinical probation or receiving a grade of *unsatisfactory* at the end of the spring Opt II term will enroll in Opt III Summer Clinics, however, they must repeat the Opt II clinical work during the first seven weeks of their Opt III summer term. If successfully completed, the student will then be scheduled in full Opt III clinics during the second seven weeks of the summer term. The student must be available all class days of the summer term to complete this remediation as assigned. Should the same student fail or be placed on probation for the repeated Opt II clinical work (during the first seven weeks), or any subsequent Opt III or IV clinic session, the student will be suspended from the clinical program due to the accumulation of two probations and/or unsatisfactory grades.

Optometry III. Students placed on clinical probation for a summer or fall session will enter the following term on probation. If a student receives an *unsatisfactory* grade in any term of Opt III clinic, the student will automatically be one term behind in their graduation. The student must repeat the failed term's work during the following term. Should the same student fail or be placed on probation for the repeated Opt III session, or any subsequent Opt III or IV clinic session, the student will be suspended from the clinical program due to the accumulation of two probations and/or unsatisfactory grades.



Any student placed on probation or with a grade of *unsatisfactory* in the last term of Opt III clinics must successfully complete another term of ALL Opt III clinics prior to entering Opt IV. That student cannot enroll for Opt IV clinics prior to successful completion of the entire Opt III clinical year. The student will automatically be behind one term in their graduation.

Optometry IV. Students who were previously placed on clinical probation or received a grade of *unsatisfactory* in *any* prior term will not be allowed to begin an externship during the first term of the Opt IV year. The student may appeal this provision to a committee composed of the clinic coursemasters, Executive Director of the UEI, Director of Externships, and the Academic Committee Chair or his/her designated representative from the college Academic Committee. This appeal must be presented in writing to the Associate Dean for Professional Studies before the end of the externship selection process. If a student receives an *unsatisfactory* grade in any term of Opt IV clinic, the student will automatically be one term behind in their graduation.

4.3 Notification of Academic Sanctions due to Clinical Performance

The status of clinical probation and failure will be monitored by the appropriate clinical coursemaster. Within 10 class days of determining academic sanctions (which are typically determined during the 10 class days following the posting of final grades) due to clinical performance, the coursemaster will notify the Associate Dean for Professional Studies regarding any students who have incurred academic sanctions. The Associate Dean for Professional Studies will then notify the student regarding his/her status and place a letter in the student's academic file via the Assistant Dean for Student Affairs concerning the student's status of probation, failure, or suspension. Unsuccessful notification for any reason does not abrogate these sanctions. It is the responsibility of each student to know his/her academic status before attempting to matriculate for the subsequent term.

4.4 Appeal of Academic Sanctions due to Clinical Performance

The student may appeal the suspension by notifying the Academic Committee Chair within 5 class days of notification consistent with the process described in section 3.3 Appeal of Academic Sanctions of this document. Requests for an extension of time to file an appeal may be granted at the discretion of the Academic Committee Chair. Appeals of academic/clinical sanctions are heard by the college Academic Committee, as described in section 9 of this document. A student may further appeal decisions of the Academic Committee to the Dean of the college; however, the basis for appeals of Academic Committee decisions is limited to serious procedural errors in the appeals process that could have affected the outcome, or to instances in which substantial new evidence that was previously unknown to the student became available only after completion of the Academic Committee hearing. Non-disclosure of issues existing at the time of the hearing will not be considered grounds to appeal the Academic Committee's decision.

5. Academic Honesty and Professional Conduct Code

The University of Houston publishes current governing policies on academic honesty in the Undergraduate Catalog. These policies can be obtained online at: <http://catalog.uh.edu/>

In accordance with University policy, the University of Houston, College of Optometry adopts the following Academic Honesty and Professional Conduct Code which is unique to the College of Optometry.

5.1 General Provisions

5.1.1 Rationale The University of Houston, College of Optometry can best function and accomplish its objectives in an atmosphere of professionalism and high ethical standards. It expects and encourages all faculty, staff and students to contribute to such an atmosphere by observing practices that adhere to conduct consistent with accepted standards of ethical, professional, and academic integrity. It is recognized that ethical failures and allegations of academic dishonesty or unprofessional conduct may occur by a few students who do not understand, appreciate, or practice these principles. The following procedures are designed to handle these cases with fairness to all concerned: the accused student, faculty, staff, patients, the College of Optometry, the University of Houston, and the profession of optometry.



5.1.2 Purpose of Procedures The purpose of these procedures is to provide for the orderly administration of the Academic Honesty and Professional Conduct Code consistent with the principles of due process. Reasonable deviations from these procedures will not invalidate a decision or proceeding unless the Dean or Provost determines, upon written appeal from the accusing and/or accused parties, that the deviation might have resulted in prejudice to one or more of the parties involved.

5.1.3 General Jurisdiction Matters relating to academic honesty are within the general jurisdiction of the Senior Vice President for Academic Affairs and Provost. Allegations of scientific misconduct against students engaged in research supported by funding from the University of Houston or other sources will be handled according to the University of Houston Responsible Conduct of Research Policy: <http://www.uh.edu/research/compliance/res-conduct/rcr-policy/>.

5.1.4 College with Jurisdiction Specific jurisdiction in academic honesty matters rests in each school or college of the University of Houston. The school or college with jurisdiction is determined by the course in which dishonesty occurs. If the student involved majors in a college other than that offering the course, the college offering the course has jurisdiction, but the college hearing officer of the student's major college will be informed. If the college with jurisdiction cannot be determined from the relationship between the alleged actions of a student or group of students and a particular course, then the Provost will designate which has jurisdiction.

5.1.5 Questions Regarding Applicability of Policies All questions regarding the applicability of college codes or University of Houston policy or special provisions of either shall be determined finally by the Provost. The purpose of these procedures is to provide for the orderly administration of the Academic Honesty and Professional Conduct Code consistent with the principles of due process of law. Reasonable deviations from these procedures will not invalidate a decision or proceeding unless the Provost determines, upon written appeal from the accusing and/or accused parties, that the deviation will result in prejudice to one or more of the parties involved.

5.1.6 Scope of Actions Taken Against Students Actions taken against students are specific to the college in their effect, unless otherwise specified, but may nonetheless have university-wide application.

5.1.7 Faculty Responsibility Faculty shall have the responsibility of reporting alleged incidents of academic dishonesty or unprofessional conduct through the appropriate Associate Dean (Professional Studies or Graduate Studies) in accordance with guidelines described in section 8.1 Notification Requirements. Instructors, teaching assistants, exam proctors, etc., are responsible for reporting incidents of alleged academic dishonesty or unprofessional conduct to the relevant coursemaster who shall then be responsible for reporting incidents in accordance with section 8.1 Notification Requirements.

5.1.8 Student Responsibility Students shall have the responsibility of reporting incidents of alleged academic dishonesty or unprofessional conduct to the instructor involved, or to the appropriate authority (such as the Associate Dean, clinic director, etc.) if the alleged act is not associated with a specific class.

5.1.9 Application of the Academic Honesty and Professional Conduct Code This policy applies to acts of dishonesty or unprofessional conduct committed by a student while enrolled at the University of Houston, College of Optometry and also applies to those acts committed by enrolled students while on external rotations or in other instances where the student may be seen as a representative of the college or profession.

5.1.10 Retaliation The University of Houston prohibits retaliatory action against persons who report incidents of alleged academic dishonesty or unprofessional conduct under this policy, who are suspected of having reported incidents of alleged academic dishonesty or unprofessional conduct under this policy, who are identified to serve or have served as witnesses in any academic honesty or unprofessional conduct proceedings, or who are identified to serve or have served on the Academic Committee. Any acts of retaliation will be referred to the Office of Optometry Relations or to the Office of the Dean of Students for the University of Houston (<http://www.uh.edu/dos/advocacy-support/student-advocacy/index.php>).

5.2 Preventative Practices

Instructors can help students comply with the academic honesty and professional conduct policy by minimizing temptation to act dishonestly or unprofessionally. Instructors should consider the following measures:

Maintaining adequate security precautions in the preparation and handling of tests;



- Structuring the type and sequence of examination questions so as to discourage dishonesty;
- Providing ample room for proper spacing of students during examinations, when possible;
- Monitoring examinations, especially in large classes and in classes where not all students are known to the instructor or his/her assistant(s);
- Making clear to their students the rules concerning the use of electronic devices;
- Making clear to their students, in writing, what constitutes academic dishonesty, particularly in those classes where group activities (laboratory exercises, generation of field reports, etc.) or on-line course activities are part of the instructional process;
- Requiring students to show a picture ID and sign major assignments and exams;
- Helping raise consciousness of the issue of academic honesty by asking students to sign an honor pledge in the first week of class and to write a short pledge in their own hand on their major assignments;
- Familiarizing students with the *Optometric Oath* and its implications for professional behavior;
- Making clear to students the instructor's policy regarding the use of previous examinations, homework assignments or other previous course materials.

6. Categories of Academic Dishonesty and Unprofessional Conduct

6.1 Acts of Academic Dishonesty

Academic dishonesty is to employ a method or technique or to engage in conduct in an academic endeavor that the student knows or should know is not permitted by the University of Houston or the College of Optometry, e.g. lying, cheating or stealing. Examples of Academic Dishonesty include, but are not limited to, the following:

- Stealing, as theft of tests or grade books, from faculty offices, computers, electronic servers, or elsewhere; this includes the removal of items posted for use by the students (e.g. physical or electronic media);
- Using unauthorized notes, electronic aids, or other unauthorized resources to answer questions during an examination (on-line, written, or practical skills). This includes attempts to reproduce test questions, create study sheets based on explicit knowledge of test questions, or attempts to pass sensitive test material to future students taking the course, etc.;
- Having another person take a test in the student's place. Both the student taking the test for another and the student enrolled in the course are at fault;
- Signing an attendance sheet, or participating in audience response polling (for attendance points or otherwise) on behalf of another individual;
- Plagiarism: representing another person's work as one's own without acknowledging the source;
- Changing answers or grades on a test that has been returned to a student in an attempt to claim instructor error;
- Giving or receiving unauthorized aid during an examination, such as trading examinations, whispering answers, passing notes, and using electronic devices to transmit or receive information, or seeking information about exam questions from a student who took an exam before others;
- Openly cheating in an examination, such as copying from another's paper;



Misrepresentation: using another's work or results as one's own, whether with or without the permission of the owner;

Creation of fictitious data, results, or information, i.e. falsified laboratory results, purchased term papers, etc.;

Mutilating or stealing library materials; mis-shelving materials with the intent to reduce accessibility to other students; deleting or intentionally removing student resources meant for shared benefit, e.g. course files stored on a public server or website;

Failing to report to the instructor or departmental hearing officer an incident which the student should recognize as a violation of the academic honesty policy;

Misrepresenting academic records or achievements as they pertain to course prerequisites or co-requisites for the purpose of enrolling or remaining in a course for which one is not eligible;

Possessing on one's person during an examination, quiz or any in-class assignment an electronic device that allows communication with another person, access to unauthorized material, access to the internet, or the ability to capture an image, unless such possession is expressly permitted by the instructor; and

Any other conduct that a reasonable person in the same or similar circumstances would recognize as dishonest or improper in an academic setting.

6.2 Acts of Unprofessional Conduct

Unprofessional Conduct means engaging in conduct on or off University grounds that the student knows or should know is in conflict with the core principles of the profession of optometry as stated or implied by the Optometric Oath, or conduct that reflects negatively on the University, College of Optometry or profession. Examples of unprofessional conduct include, but are not limited to the following:

Disregard for the rights and dignity of patients, faculty, staff, or fellow students;

Placing personal gain above patient care;

Disregard for patient confidentiality and privacy;

Intentional withholding of information or services that could benefit a patient;

Unwillingness to take personal responsibility for developing one's knowledge, skills, and abilities;

Misrepresentation of one's self (or others), skills, professional standing, reputation, or credentials;

Misappropriation of college resources for personal gain or benefit;

Conduct that is selfish, unfriendly, unreliable, or exhibits unwillingness to serve the community and one's patients;

Conduct that creates a hostile learning or workplace environment;

Falsification of clinical records, including patient records or financial information, or moving forward data from past patient records that has not been verified during the current patient exam;

Use of social media that results or could result in individual or group harm (physical or emotional), e.g. damage to an individual's personal or public reputation;

Harassment resulting in personal or public humiliation of others;

Communications to faculty, staff, fellow students, or other University affiliated individuals that could be deemed inappropriate;

Lewd, lascivious, or criminal behavior;



Any other conduct that a reasonable person in the same or similar circumstances would recognize as unprofessional.

7. Academic Sanctions

7.1 Possible Sanctions

The sanctions for confirmed violations of this policy shall be commensurate with the nature of the offense and with the record of the student regarding any previous infractions. Sanctions may include, but are not limited to: a lowered grade, failure on the examination or assignment in question, failure in the course, probation, suspension, expulsion from the college or the University of Houston, immediate removal from a clinical site, or a combination of these. Clinical sites partnering with the College of Optometry in the education of students on external rotation may insist upon the removal of students from their site based on alleged violations of this policy alone. In that instance, the College of Optometry will make reasonable attempts to place the student at an alternative site while any investigation or hearing is pending.

7.2 Time Limit of Sanctions

Any sanction of probation or suspension must have a specified start and end date, unless the sanction is expulsion, in which case the sanction is permanent. Students are not permitted re-enrollment under sanctions of suspension or expulsion for academic dishonesty or acts of unprofessional conduct.

7.3 Sanctions under Appeal

A student within the college who is found to have violated the Academic Honesty Policy and Professional Conduct Code may remain enrolled in the course at issue, as well as enroll in future courses while any appeal permissible under this policy is pending. Any student who is scheduled to graduate while an appeal is pending will not be awarded an official diploma while the appeal is pending. Sanctions will not become final and may not be applied until a final determination of any permissible appeal is made.

7.4 Sanctions and Grading

Students may not avoid a sanction for academic dishonesty by withdrawing from a course. In addition, if a course grade of *W* was assigned prior to the student being found guilty of a violation in the course, the course grade must be changed. As the result of a guilty finding, the student is liable for the penalty determined by the committee, which may include assignment of an *F* grade.

7.5 Probation, Suspension, and Expulsion

The terms probation, suspension and expulsion, as used herein, refer to these sanctions, only as they are imposed as a result of violations of this Academic Honesty and Professional Conduct Code. All policies and procedures for the imposition and appeal of these sanctions are contained within this policy.

7.6 Record of Sanctions

A record of the final sanction decision reached by the Academic Committee is permanently placed in the student's academic file in accordance with Sections 11.1-11.3.

8. College Academic Dishonesty/Unprofessional Conduct Hearings

8.1 Notification Requirements

When an instructor has reasonable grounds to believe that a student has committed an act of academic dishonesty or unprofessional conduct, the instructor shall provide written notification to the Associate Dean for Professional Studies within 5 class days of discovery. Students who believe they have observed an act of academic dishonesty or unprofessional conduct shall report the incident to the instructor, as soon as possible. Upon discovery, the instructor shall report the incident in writing to the Associate Dean for Professional Studies, within 5



class days. Upon receipt of allegations, the Associate Dean for Professional Studies shall notify the Academic Committee Chair and the accused student of the nature of the alleged violation within 5 class days. Any deviations from the timeline must be supported by written documentation of the circumstances that warrant the delay and communicated to the concerned party (e.g. Associate Dean for Professional Studies or Academic Committee Chair).

8.2 Waiver of Academic Committee Hearing for Minor and First-Time Offenses

Upon notifying the Associate Dean for Professional Studies of the alleged violation, if the instructor believes the actions of the student do not warrant an Academic Committee hearing, the instructor shall have the option of recommending to the Associate Dean for Professional Studies a sanction for the alleged violation of the Academic Honesty and Professional Conduct Code that would, if acceptable to the student, instructor, relevant Department Chair, Associate Dean for Professional Studies and Academic Committee Chair, invoke a waiver of a college Academic Committee hearing.

Such sanctions would normally include reduced or zero credit for a test or assignment, a grade of *F* in a course, or other such agreed-upon sanctions. Sanctions involving probation, suspension or expulsion from the college cannot be invoked in exchange for a waiver of a college Academic Committee hearing. Any offense consistent with these substantial sanctions will automatically result in formal investigation of the incident, as described in section 8.4 Investigation of Alleged Violations. In cases for which the instructor suggests a sanction so as to waive the college hearing, the accused student shall be notified, in writing, by the Associate Dean for Professional Studies of the nature of the violation and recommended sanction, and be provided the choice of:

Admitting the alleged academic honesty or professional misconduct violation, waiving the formal Academic Committee hearing, and accepting the recommended sanction within 3 class days; or

Proceeding to a formal investigation and potential Academic Committee hearing.

Students will be provided 3 class days to respond regarding this option.

A student is eligible for a waiver only if he/she has no prior waiver and no previous findings of violation of the *Academic Honesty and Professional Conduct Code*. The waiver of a formal Academic Committee hearing must be agreed to by the instructor, the student, the relevant Department Chair, the Associate Dean for Professional Studies, and the Academic Committee Chair. In the event that all parties cannot agree to a waiver or the student failed to respond, the case must move to a formal investigation and potential Academic Committee hearing.

8.3 Consequences of Waiver

Upon electing the waiver of a college Academic Committee hearing, the waiver will be noted in the student's record. A record of waivers will be maintained by the Associate Dean for Professional Studies, the Academic Committee Chair, Office of the Dean, and the Office of the Provost, until graduation. Following graduation, the student can request that documentation of the waiver be removed by contacting the Associate Dean for Professional Studies. An agreement to settle an academic honesty infraction via a waiver of the formal Academic Committee hearing will not result in any record being kept that is reflected on the student's transcript except for any negotiated grade or similar notation that would be reflected in the transcript.

8.4 Investigation of Alleged Violations

The Associate Dean for Professional Studies shall be responsible for investigating all charges of alleged academic dishonesty or unprofessional conduct brought against a student that are either not eligible for or not resolved with a waiver. In the event that the Associate Dean has a conflict of interest with the student's case, the Dean of the College will appoint an alternate administrator to conduct the investigation.

The Associate Dean for Professional Studies will be permitted sufficient time to fully investigate allegations of academic dishonesty or unprofessional conduct. Investigation and discovery lasting more than 10 class days will require written updates from the Associate Dean for Professional Studies to the Dean, the Academic Committee Chair, the relevant Department Chair, and the Assistant Dean for Student Affairs (who shall then relay updates to the student(s) involved) every 10 class days. The investigation must be incident-specific. Within 5 class days of completing the investigation, the Associate Dean for Professional Studies will notify the Dean, the Academic Committee Chair, the



Assistant Dean for Student Affairs, and the relevant Department Chair concerning the findings of the investigation. If there is not sufficient evidence to support the allegation of academic dishonesty or unprofessional conduct, the student will be notified by the Associate Dean for Professional Studies within 5 class days that the allegations have been dismissed. If there is evidence to support the allegation of academic dishonesty or unprofessional conduct, the student will be notified of the charges by the Associate Dean for Professional Studies within 5 class days and a formal Academic Committee hearing will be scheduled. It is the prerogative and, in some cases, the obligation of the Associate Dean for Professional Studies, when investigating charges of unprofessional behavior, to refer the case to other relevant University departments (e.g. Dean of Students, Title IX Office) for resolution. When this course of action is taken in lieu of a college academic hearing, the appropriate parties will be informed that the matter will be pursued outside of the college. While the matter is pending before an external department, the college will not be responsible for communicating to the involved parties about the matter, including any determinations made by the external department.

8.5 Scheduled Hearings

If waiver is not selected or is not an option, to schedule an Academic Committee hearing, the Academic Committee Chair shall notify the instructor, the relevant Department Chair, the accused student, and the accusing party, if other than the instructor, of the nature of the alleged violation and the time and date of the hearing. The hearing shall proceed in accordance with Section 9 College Academic Committee Hearing Procedures. Should any of the parties fail to appear at the hearing, without good cause, the Academic Committee may render a decision in their absence.

8.6 Group Violations of the Academic Honesty and Professional Conduct Code

At the discretion of the Academic Committee, in instances where two or more students are alleged to be involved in the same infraction of the Academic Honesty and Professional Conduct Code, the case against the whole group will be addressed at a single hearing. The facts common to all cases will be presented with all students allegedly involved in attendance. Each student shall be allowed to present his/her statement to the Academic Committee separately. If requested by the presenting student, such statements shall be presented outside the hearing of the other students.

8.7 Conflict of Interest

When the Academic Committee Chair or members of the Academic Committee are themselves party to an Academic Honesty or Professional Conduct Code case, they shall in no way participate in the committee's deliberation or determination of any sanction in that case. Such responsibilities shall pass to other members of the Academic Committee not directly involved in the case. The Dean shall appoint temporary members to the committee, if needed, to maintain a total of 5 voting faculty and 2 voting student members.

8.8 Retention of Records Relating to Academic Honesty and Professional Conduct

The Associate Dean for Professional Studies shall serve as the college's repository of records of students found in violation of the Academic Honesty and Professional Conduct Code. Records will also be retained in the Office of Optometry Relations and in the historical records of the Academic Committee.

9. College Academic Committee Hearing Procedures

9.1 College Hearing

If the Associate Dean for Professional Studies recommends a formal Academic Committee hearing for academic dishonesty or unprofessional conduct (Section 8.4 Investigation of Alleged Violations), the Academic Committee Chair will set a time, date and place for the hearing, within 10 class days of notification of the need for a hearing. The hearing itself need not occur within these 10 class days.

The college hearing is a de novo hearing in which the committee must consider all the evidence on all the issues presented as though no previous action has been taken. All communication between the student involved and the Academic Committee shall be in written form, and



the student is expressly advised against communication with any member of the college Academic Committee other than the Chair prior to the committee hearing.

The same policies apply for committee hearings of appeals of automatic academic/clinical sanctions, or grade disputes, except where described below. Within 10 class days of receipt of a written request by the student for appeal of automatic academic sanctions, or receipt of notification by the Associate Dean for Professional Studies of the need to conduct a hearing related to a grade dispute, the Committee Chair will set a time, date and place for the hearing. The hearing itself need not occur within these 10 class days.

9.2 Hearing Body

The college Academic Committee shall serve as the hearing body, and shall hear allegations of academic dishonesty and unprofessional conduct and determine any appropriate academic sanctions.

For appeals of automatic academic/clinical sanctions, the college Academic Committee shall serve as the hearing body to determine whether an appeal shall be granted and what reduction in sanctions, if any, will be applied.

For hearings related to grade disputes, the college Academic Committee shall serve as the hearing body to determine an appropriate resolution.

9.3 Hearing Procedures

The hearing will take place when scheduled by the Academic Committee Chair. If a delay is requested by any individual participating in the hearing, it must be approved by the Academic Committee Chair. Only documented, extenuating circumstances will be considered in the request for a delay of a hearing. The committee may adopt any other reasonable procedures necessary, including order of proceedings, to ensure a fair hearing.

9.4 Student Counsel and Resources

The Assistant Dean for Student Affairs, or a similarly appropriate staff member appointed by the Assistant Dean for Student Affairs, shall serve as advisor and resource for the students involved in Academic Committee hearings and will be in attendance at the hearing, but shall not have a vote or be present during deliberations. The Assistant Dean for Students Affairs is included among the individuals notified of both allegations of academic dishonesty or unprofessional conduct (Section 8.4 Investigation of Alleged Violations) and automatic sanctions of academic/clinical probation or suspension (Section 3.2 Automatic Sanctions, Section 4.3 Notification of Academic Sanctions due to Clinical Performance), and will thus be aware of students who may require assistance for academic hearings. However, the responsibility to request the assistance of the Assistant Dean for Student Affairs rests with the student. Once a student contacts the Assistant Dean for Student Affairs regarding the hearing process, the advisor will provide the student with the names of the standing committee members so that the student will have an opportunity to express concerns regarding any conflicts with the members. The student must notify the Assistant Dean for Student Affairs of any conflicts prior to the scheduling of the academic hearing. If the Assistant Dean for Student Affairs agrees that a conflict exists, he/she will notify the Academic Chair and the Dean, so that a replacement can be appointed. In addition, the advisor will assist the student with the appeal document and preparation for their hearing. While the role of the Assistant Dean for Student Affairs is not to advocate to the committee on behalf of the student, he/she does serve as a resource to familiarize the student with the hearing process so that the student is able to present their case in a comprehensive manner. Assistance provided by the Assistant Dean for Student Affairs may include such things as proof reading required statements, suggesting supporting documents to obtain for the committee, and providing examples of information the committee may query during the hearing. If a student has an issue relevant to the case that is of a personal or potentially embarrassing nature such that they are reluctant to discuss it in front of the committee, they should alert the Assistant Dean for Student Affairs who will then make recommendations to the student regarding a more general presentation of the information.

9.5 Right of Review and Representation

Both the student and the instructor, or the Associate Dean for Professional Studies (or similarly appropriate representative) in cases where the instructor is absent, shall have an opportunity to present their full cases during a hearing of Academic Misconduct/Unprofessional Conduct. This may include the introduction of documents and/or physical evidence as well as written or oral statements from individuals who have direct knowledge of the circumstances. If either party intends to have individuals appear at the hearing to provide oral statements, the



Academic Committee Chair **must** be notified in writing *of the names of the witnesses and subject of their testimony* at least **3 class days before the hearing**. The Academic Committee Chair may also request that the parties provide any information and documents the Academic Committee believes may be relevant. Each party shall be required to submit a copy to the Academic Committee Chair of any document they deem relevant to the proceeding at least 3 class days before the hearing to permit all parties time for review (see Section 9.7 Opportunity to Review Information). If legal counsel (i.e. an attorney) will advise either party, the hearing cannot be held with such counsel in attendance unless a representative from University of Houston legal counsel is also present. The Academic Committee Chair must be notified in writing at least 3 class days before the hearing of the name of any legal counsel who will attend the hearing. Legal counsel shall not participate directly in the hearing, but may be present to observe the process, or to advise the party he/she represents.

If physical evidence or witness testimony is presented in a hearing, and if either party needs additional time to review the evidence and/or consider the witness testimony, either party may request a reasonable postponement of the hearing. Decisions on postponement of the hearing will be made at the discretion of the Academic Committee Chair, who will then set appropriate deadlines for completion of the appeal process, with the intent to conduct the hearing in a timely and fair fashion.

Similar procedures will be followed in student appeals of automatic academic/clinical sanctions or grade disputes; however, in cases of appeal of automatic academic/clinical sanctions, only the student, the Academic Committee, and the Assistant Dean for Student Affairs or designee will be in attendance at the hearing. For appeals of automatic academic/clinical sanctions, any statements relevant to the appeal from outside parties should be submitted prior to the hearing in written form, within the deadline set by the Committee Chair, as no additional witnesses will be permitted to attend the hearing. In preparation of the Academic Hearing, the Academic Committee Chair may also gather information for use in the hearing from relevant instructors regarding the appealing student's past exam and/or assignment scores, as well as any documentation maintained by the Associate Dean for Professional Studies regarding attempted interventions or instructor recommendations previously communicated to the student throughout the program and maintained in the student's file.

9.6 Audio Recording

The hearing shall be audio-recorded. Upon request, the parties involved may obtain a copy of the recording, at their own expense, from the Academic Committee Chair.

9.7 Opportunity to Review Information

For cases of academic misconduct/unprofessional conduct, or cases of grade disputes (when relevant), at least three class days prior to the hearing, all parties shall notify the Academic Committee Chair in writing of the names of their witnesses, if any, and the subject of their testimonies. At that time, the parties will also submit a copy of the documents they intend to present during the hearing and the names of any legal counsel (i.e. an attorney) who will attend the hearing to advise that party. The Academic Committee Chair will make available to the parties the information and documents referenced in this section prior to the hearing, unless exceptional circumstances preclude the release of information, such as where providing the information may be prohibited by applicable law. Both parties shall have an opportunity to examine the documents and witness information pertaining to the alleged violations prior to the hearing, but the responsibility to request review of such documents rests with each individual party. The method of delivery of documents for review will be at the discretion of the Academic Committee Chair dependent upon the sensitive nature of the contents. The Academic Committee Chair may elect to limit the review of documents to paper copies that are retained by an appropriate college administrator, such as the Assistant Dean for Student Affairs. All parties shall be afforded the opportunity to present statements, pertinent documentation and witnesses and have an opportunity to address the content of the documents pertaining to the alleged violations during the hearing.

While witnesses are not permitted to attend hearings in the case of a student appeal of automatic academic/clinical sanctions, supporting documentation is permitted and shall be submitted to the Academic Committee Chair by the deadline set by the Academic Committee Chair and communicated to the student at the time of notification of the hearing date. The student will be notified prior to the hearing regarding the academic records obtained by the Academic Chair to be included in the hearing documents; however, given that these documents are limited to grades and communications that the student already has access to, the procedures outlined above regarding prior review of materials are not relevant in cases of appeals of automatic academic/clinical sanctions.

9.8 Hearing Structure



The hearing shall be held in two phases. The first phase is the expository phase during which all concerned parties are present for the committee to gather information regarding events that transpired. This is followed by a deliberation phase attended only by the Academic Committee members. During the deliberation phase of a hearing for academic dishonesty/professional misconduct, the committee will first deliberate and vote as to whether a preponderance of the evidence indicates that a violation occurred. Following this vote, if the committee deems a violation did occur, the committee will then deliberate and vote to apply a sanction. In the case of a student appeal of automatic academic/clinical sanctions, the deliberation phase will be used for the purpose of determining whether there exists sufficient evidence to overturn or mitigate the academic/clinical sanction. In the case of grade disputes or appeals of requests for a leave of absence or extension of the educational program, the deliberation phase will be used for the purpose of determining an appropriate resolution.

9.9 Expository Phase of the Hearing

In cases of academic dishonesty/unprofessional conduct, all parties shall have the right to advice of legal counsel (i.e. an attorney) of choice. When counsel is engaged, he or she may attend the hearing but shall not directly participate in the hearing or enter into discussion with parties other than the client. The case presented to the committee must be made by the accusing individual and the accused student. The instructor, Associate Dean for Professional Studies who investigated the charge(s), or other individuals who reported the alleged misconduct shall present the relevant information, including written or oral statements by witnesses (when applicable). The accused student shall then present his/her statement and relevant information, including statements by witnesses. Neither party shall ask questions of or solicit answers directly from the other party or its witnesses. Where it appears that there are matters of disputed fact, the Academic Committee Chair shall request the committee to ask appropriate questions of either or both parties and/or their respective witnesses so as to clarify the points in dispute.

As the investigator, the Associate Dean for Professional Studies can present details of previous findings of acts of dishonesty or misconduct that are contained in the student's permanent records at the University of Houston College of Optometry. Records of such past findings can be used: 1) at the student's hearing on new charges to demonstrate that the student is capable of dishonesty; and/or 2) for consideration by the Academic Committee in determining its final recommendations. Information regarding previous allegations of dishonesty or misconduct, i.e. findings that were not established, must neither be solicited nor admitted as evidence at any hearing of the Academic Committee. Given that students are aware of and should have copies of documentation resulting from past findings of acts of dishonesty or misconduct, this information will not automatically be provided to the student in advance of an academic hearing as part of Section 9.7 Opportunity to Review Information. However, students may make requests to the Assistant Dean for Student Affairs if they wish to review their education record. The student should present all information he/she feels is pertinent to the case during this phase of the hearing. Failure to present information that was known to the student at the time of the hearing, but was electively withheld, is not a justifiable means to later request an appeal of the committee's decision to the Dean (Section 9.13 Right to Appeal).

In cases of a student appeal of automatic academic/clinical sanctions, the expository phase shall consist of the student stating their justification for request of an appeal, followed by questions from the committee to gather information about the events surrounding the poor academic/clinical performance (e.g. classroom attendance, study habits, personal approach to clinic encounters, extenuating disruptive circumstances, etc.) and steps taken (e.g. tutoring, meetings with faculty, efforts to minimize the impact of extenuating circumstances, etc.), or proposed steps the student believes will result in improved academic/clinical performance, should a sanction be reduced or set aside. The student should present all information he/she feels is pertinent to the case during this phase of the hearing. Failure to present information that was known to the student at the time of the hearing, but was electively withheld, is not a justifiable means to later request an appeal of the committee's decision to the Dean (Section 9.13 Right to Appeal).

In cases of grade disputes or appeals of requests for a leave of absence or extension of the educational program, the student must first present their case to the committee, followed by questions from the committee to gather information about the events surrounding the case. The faculty member who assigned the grade in question, or the Associate Dean who originally denied the request for leave of absence or extension of the educational program has the right to attend the hearing to be available to answer questions directed by the committee.

9.10 Deliberation and Decisions

At the conclusion of the expository phase of the hearing, the Academic Committee shall meet in a closed session to deliberate and render a decision based on the information presented. A student is found in violation of the *Academic Honesty and Professional Conduct Code* by an absolute super majority (i.e. 5/7 or greater) vote of the committee. Determinations of sanctions for violations of the *Academic Honesty and*



Professional Conduct Code require agreement by an absolute simple majority (i.e. 4/7 or greater). Regarding student appeals of automatic academic/clinical sanctions (Section 3.4 Appeal of Academic Sanctions), sanctions may be overturned or reduced by an absolute simple majority vote of the committee (i.e. 4/7 or greater). Resolutions of grade disputes or appeals of requests for a leave of absence or extension of the educational program will be determined by an absolute simple majority vote of the committee (i.e. 4/7 or greater).

9.11 Confidentiality of Proceedings

All of the information contained in the student's written appeal and any supporting documents, as well as oral statements and exchanges made during the hearing and subsequent deliberation phase are considered to be privileged communications. As such, all of the participants in the hearing process must treat the information that is divulged as confidential, and that information is not to be shared with any parties outside the proceedings except as otherwise permitted under University or UHCO policy, or as required by law. Clearly, the committee's decision and any associated sanctions must be communicated to those individuals in the college who will be involved in implementing the decision and sanctions. In addition, as the information that emerged in the hearing will be germane during any subsequent appeal, it is appropriate for hearing participants to communicate relevant aspects of information to the appropriate officials as part of the appellate process.

9.12 Notification of Decision

The college Academic Committee shall render a decision within 3 class days after the hearing, and the Academic Committee Chair will forward copies of the decision to the student, instructor, relevant Department Chair, Associate Dean for Professional Studies, Assistant Dean for Student Affairs, and Dean of the college within 5 class days of the Academic Committee's decision. Whenever possible, the written decision will be delivered in person to the student during a meeting of the student, the Academic Committee Chair, and the Associate Dean for Professional Studies.

9.13 Right to Appeal

Appeals of Cases Involving Academic Dishonesty or Unprofessional Conduct. In cases of academic dishonesty or unprofessional conduct, both the accused student and the individual bringing charges against the student have equal opportunity to file an appeal of the decision of the Academic Committee to the Dean of the college. An appeal to the Dean shall be based solely on: (i) serious procedural errors in the appeals process that could have affected the outcome; (ii) instances in which substantial new evidence that was previously unknown to the student became available after the Academic Committee hearing is completed; (iii) to question the severity of a sanction assigned by the committee; and/or (iv) if other procedural irregularities in the process interfered with the rights of any of the parties. Non-disclosure of issues existing at the time of the hearing will not be considered grounds to appeal the Academic Committee's decision (Section 9.9 Expository Phase of the Hearing). Within 5 class days of notification of the committee's decision, either party may file an appeal for review with the Dean. If the Dean does not receive a written appeal within 5 class days of the decision, the action determined by the committee shall be implemented.

Appeals involving Academic or Clinical Sanctions. A student who previously appealed academic or clinical sanctions to the Academic Committee may appeal the decision of the Academic Committee to the Dean of the college within 5 class days of receipt of the committee's decision, but the appeal may only be based on serious procedural errors in the appeals process that could have affected the outcome, or in instances in which substantial new evidence that was previously unknown to the student became available after the Academic Committee hearing is completed. Non-disclosure of issues existing at the time of the hearing will not be considered grounds to appeal the Academic Committee's decision (Section 9.9 Expository Phase of the Hearing). Appeals questioning the severity of a sanction are not permitted in cases of academic or clinical sanctions given that the sanctions themselves are automatically triggered and were not originally assigned by the committee. If the Dean does not receive a written appeal within 5 class days of the decision, the action determined by the committee shall be implemented.

The Academic Committee hearing is the final level of appeal for cases of grade disputes.

Appeals of Requests for a Leave of Absence or Extension of the Educational Program. A student who was denied their request for a leave of absence or extension of the educational program may appeal in writing to the Dean within 5 days of notification of the committee's decision. An appeal to the Dean shall be based solely on: (i) instances in which substantial new evidence that was



previously unknown to the student became available; and/or (ii) if procedural irregularities in the process interfered with the rights of any of the parties. Non-disclosure of issues existing at the time of the hearing will not be considered grounds to appeal the Academic Committee's decision. If the Dean does not receive a written appeal within 5 class days of the decision, the decision of the committee will stand.

9.14 Appeal of the Academic Committee's Decision

In the request for any appeal to the Dean, the appealing party shall specifically describe, in writing, why the appeal is appropriate and the specific issues, procedural errors, new information, or sanctions to be reviewed. The Dean shall review the appeal within 15 class days of receipt which may include gathering information from relevant parties involved in the original hearing process. If the Dean chooses to meet with the appealing party, the meeting shall also include the Academic Committee Chair or his/her designated representative from the College Academic Committee. The presence of the Academic Committee Chair at the meeting is to provide committee representation who can disclose information regarding the events that transpired during both the expository and deliberative phases of the academic hearing at the request of the Dean.

Upon completion of review of the appeal, the Dean may approve the decisions of the College Academic Committee and see that the resultant outcome is enforced, or the Dean may send the case back to the Academic Committee for further review. Within 3 class days of completion of the Dean's review, the Dean will communicate in writing to the student, relevant instructor, relevant Department Chair, Associate Dean for Professional Studies, and Academic Committee Chair whether the committee's original decision is upheld, or whether the case has been sent back to the Academic Committee for further review.

If the Dean recommends further review by the Academic Committee, the committee shall review the case within 15 class days of receipt of the Dean's request. The committee review may be completed by review of the written appeal materials alone, or the committee may request an additional academic hearing with the student to provide an opportunity for in-person questioning related to the appeal materials. The necessity to hold an additional academic hearing will be determined by the committee in its sole discretion. If an additional academic hearing is requested, the deadline for review will be extended to 30 class days to permit scheduling of the hearing. The hearing will be conducted following the same procedures as the original academic hearing (Section 9 College Academic Committee Hearing Procedures). If the student fails to appear for the newly requested hearing, the committee will render their decision based upon the written appeal materials. The committee's final decision, which may change or stand as originally determined, will be forwarded in writing to the Dean, the Associate Dean for Professional Studies, and the Assistant Dean for Student Affairs within 3 class days of completion of review. At this time the Dean will make a final determination in the case and notify the student, relevant instructor, relevant Department Chair, Associate Dean for Professional Studies, Assistant Dean for Student Affairs, and Academic Committee Chair in writing within 3 class days of receipt of the Academic Committee's final determination.

In cases of academic or clinical sanctions, as well as cases of requests for leaves of absence or extension of the educational program, the Dean's determination stands as the final level of appeal. In cases of academic dishonesty or professional misconduct, in the event of a procedural discrepancy affecting the outcome, the student or faculty may further appeal the decision to the level of the Provost in accordance with Section 10 Senior Vice President for Academic Affairs and Provost Appeal of Academic Dishonesty/Professional Misconduct Cases.

10. Senior Vice President for Academic Affairs and Provost Appeal of Academic Dishonesty/Unprofessional Conduct Cases

10.1 Appeal of the College's Decision

Within 5 class days of the college Dean's decision, either party may file an appeal for review with the Provost or an officer designated by the Provost. The appeal shall be in writing and shall specifically address the procedural issues to be reviewed.

10.2 Senior Vice President for Academic Affairs and Provost Procedural Review



The Provost shall review the appeal within 15 class days of the receipt of the appeal. If either party has requested an appearance or is requested to appear by the Provost, then both parties must be informed. Because a peer group heard the case, the intent of the Provost's review is neither to modify the sanction nor to substitute the judgment of the Provost for that of the peer panel that heard the case, or hear new or additional facts on the case. The intent of this review is to ensure that the college hearing and judgment were not arbitrary, capricious or discriminatory, did not violate the due process of the accused, and did not violate the concepts of a fair hearing for both parties. The Provost shall notify all parties of the decision within 3 class days of the completion of the review.

10.3 Actions That the Senior Vice President for Academic Affairs and Provost May Take

The Provost may conclude that one or more of the basic concepts involved in a fair hearing at the college level were violated and return the case to the college for another hearing with a different panel in accordance with the University Policy on Academic Dishonesty and resubmission for Provost procedural review; or

If, in a rare case, the Provost feels that another hearing in the same college would not result in a fair hearing, the Provost may send the case to another college with the disciplinary expertise to hold a fair hearing, for a new hearing there in accordance with the University Policy on Academic Dishonesty and resubmission for Provost procedural review; or

If, in a rare case, the Provost independently feels that the sanction assessed in the college hearing is not commensurate with the violation, then the Provost may send the case back to the college as described above; or

The Provost may approve the actions and conclusions of the college academic honesty panel and see that the judgment is enforced. The Provost's procedural review is the final institutional step in matters of academic integrity and unprofessional conduct.

11. Records Pertaining to Academic Dishonesty/Unprofessional Conduct Cases

11.1 Records of Academic Honesty Proceedings

Records of proceedings under this Policy are considered a student's education records in accordance with the University of Houston's Student Records: Family Educational Rights and Privacy Act Policy. The college will maintain records relating to college proceedings under this policy, including waivers.

11.2 Provost's Office Records

Along with the College, the Office of the Provost shall maintain a record of those students found in violation of the policy at any level, including those students who have elected a waiver of the college hearing (see section 8.2 Waiver of Academic Committee Hearing).

11.3 Notations on a Student's Transcript

A sanction of probation, suspension or expulsion under this policy will be expressly noted as such on the student's transcript, unless specified to the contrary as part of the sanction. When the specified period of time for a sanction of probation or suspension has elapsed, the student may petition the college placing the notation of academic honesty violation to request that the Office of the Registrar remove the notation from the transcript. It is the student's responsibility to initiate any petition to remove the notation from the transcript. Notations of expulsion because of academic dishonesty or unprofessional conduct are a permanent part of the student's transcript.

Appendix 1

Student Responsibilities in Academic Committee Procedures



The committee acts upon the fundamental assumption that the students it deals with are mature, responsible adults, who are, in fact, fit candidates to become a health-care professional. In this context, a significant proportion of the responsibility for the determination of a student's status in academic matters and professional conduct rest with the individual student. The following guidelines are not exhaustive, but are instead intended to set the tone of student participation in these proceedings.

The college administration will make all reasonable efforts to notify a student who is placed on probation or suspended for academic reasons. However, the student must recognize that academic probation and suspension are automatic administrative actions taken only in clearly defined circumstances. They are effective regardless of whether the student actually receives notification or not. Because GPA is easy to compute, the student can readily determine what his/her academic status is at a particular time. If the student's calculations generate any doubt about standing, the student should consult the Assistant Dean for Student Affairs who serves as the designated student advocate within the office of optometry relations.

In the event that a student is suspended, the Academic Committee will take no action except in the event of an appeal. All contact with the Committee must be initiated by the student through the Academic Committee Chair.

The student should ensure that his/her *current* University email and correct mailing address are on file with the Office of Optometry Relations.

If a student wishes to appeal the administrative actions of probation or suspension, or any other academic action seen as unfair or in error, the student may appeal, in writing, to the Academic Committee Chair within 5 class days of notification of the action. The student's letter of appeal must list all the particulars of the case that he/she wishes to bring to bear upon this request. For this reason, the student is strongly encouraged to consult with the Assistant Dean for Student Affairs in preparing a letter of appeal to include all particulars of the case, as well as any relevant supporting documentation available. In addition to the information presented by the student, the committee may evaluate the actions taken by the student (Section 1.1 Academic Grading Policies and Student Responsibilities) or lack thereof prior to earning failing grades.

If a student wishes to appeal a course grade he/she should first consult the course instructor. If the student's concern cannot be resolved satisfactorily, the student should then consult the Associate Dean for Professional Studies to request an appeal before the Academic Committee.

Students are specifically cautioned not to harass, coerce, or threaten members of the Academic Committee concerning pending actions or to encourage other students to lobby on their behalf. Any student involved in such actions may be charged with unprofessional conduct.

A student who is on probation or facing suspension may not use this information to influence an instructor to issue a higher grade or to change a grade. Therefore, any student who is on probation or facing suspension must make grade change requests through the Academic Committee Chair as detailed in Section 2.3 Duties of the Academic Committee. If a student approaches an instructor seeking a grade change which would have the effect of removing the student from suspension or probation, and tries to coerce the instructor by implying that the instructor is somehow responsible for the student's suspension, the student may also be charged with unprofessional conduct.

If the Academic Committee votes to permit a suspended student to continue in the program, it is the student's duty to initiate remedial steps to eliminate any deficiencies. This may involve meeting with the Associate Dean for Professional Studies, any instructors involved, and enrolling in the appropriate courses. The student should not assume, however, that the schedules of other students will be rearranged to fit his/her schedule.

The student should meet with the Associate Dean for Professional Studies to determine his/her schedule. This schedule will ensure that there is no overlap of courses or clinics and to confirm that the schedule is in compliance with the conditions set by the Academic Committee. It is not uncommon that students whose suspensions are set aside must complete significant remediation plans which may include repeating previously passed curriculum with higher academic requirements for continuation in the program. The Associate Dean for Professional Studies will monitor the student's progress. If a student is placed on a remedial/altered/reduced



schedule, there are often financial aid implications. Therefore, the student should also consult with the designated financial aid officer to discuss any potential implications of the remedial/altered/reduced schedule.

Appendix 2

Suggested Faculty Guidelines for Academic Dishonesty or Unprofessional Conduct

In addition to the formal policy which requires the approval of the Provost, the Academic Committee has been asked by several members of the faculty to advise them about what to do *at the time that a student is suspected of academic dishonesty* in order to facilitate subsequent hearings and possible disciplinary actions. This is a difficult thing to do, and the best that the Academic Committee can achieve is to identify the sorts of things that make its job at a hearing easier. This implies that as the membership of the Academic Committee changes, the emphasis on particular issues addressed by these guidelines may also change. In any case, the following short list contains suggestions that are not binding.

Academic Dishonesty

Unless the suspected incident of academic dishonesty is blatant, one should probably allow the student to complete the examination. Stopping the exam pre-supposes guilt and would create difficulties should the committee find that there was not a violation.

As soon as possible, write down *exactly* what you observed and ask any other witnesses to do likewise. Write what you observed, not what you concluded. Sign such statements and include the date and time they were written. No matter how vividly an incident leaps to your attention at the time, it has been the committee's experience that accurate reporting some 8-10 or more days later is often befuddled. Use of photographs or video recordings can be helpful.

Identify as many witnesses as you can; ask another faculty member to observe discreetly if you can persuade someone to do so.

Identify all students in the immediate vicinity of the ones who were involved in the incident. While students often hesitate to turn in a fellow student for academic dishonesty, when called as witnesses, they are typically highly cooperative and astute.

Confiscate anything that you suspect the student was using with which to cheat. You may have trouble doing this unless you specifically inform students, **in advance**, that they should bring *nothing* to the examination room except pencils, pens and blank paper. If a student refuses to yield something to you, don't force or threaten him/her, but make sure his/her refusal is witnessed and documented.

Do not negotiate. Report the matter to the Academic Committee Chair at once and refuse to deal directly with the student again until the hearing.

Unprofessional Conduct

Similar procedures for documentation and reporting should be followed for suspected incidents of unprofessional conduct.

Appendix 3

Procedures for Grade Changes



Grade change requests initiated by a student should begin with the course instructor. If necessary, consultation with the appropriate Department Chair, and finally the Associate Dean for Professional Studies and the Academic Committee Chair shall be initiated by the student.

After consulting with the student, if the faculty member elects to change the grade it should be done electronically through the online university grade system.

The only acceptable reason for changing one student's grade in isolation from the rest of the class should be to correct an arithmetical or clerical error made in calculating the grade in the first place.

If a professor chooses to yield to an argument from one student that individual test questions are invalid, unfair, ambiguous or otherwise unacceptable, he must present these arguments to the entire class and grant exceptions to all concerned. Rationale: To do otherwise is manifestly unfair.

Grades must be posted in the online university grade system according to the College's academic calendar. These deadlines will commonly, but not necessarily, coincide with the University academic calendar. Therefore, students and instructors are responsible for verifying and complying with the appropriate deadlines.

Any grade changes resulting from a student initiated grade change request must be accomplished within 90 days after the grades are assigned.

All official grade changes occurring after grades have been posted to the University system require the approval of the Associate Dean for Professional Studies.

A student who is on probation or facing suspension may not use this information to influence an instructor to issue a higher grade or to change a grade. Therefore, any student who is on probation or facing suspension must make grade change requests through the Academic Committee Chair as detailed in Section 2.3 Duties of the Academic Committee.

For students who have made prior arrangements to complete coursework over a longer time course (i.e. Clerkship, approved medical leave, etc.), a grade of incomplete (*I*) will be assigned while the coursework is completed. A grade of *I* must be changed by fulfillment within one year of the date awarded, or it will be changed automatically to an *F* or *U* (in *S* and *U* graded courses). An *I* must not be changed to a grade of *W* but only to a letter grade. Upon changing to a letter grade, any subsequent student initiated grade change requests must be accomplished within 90 days.

If an instructor provides an opportunity for one or more students to improve a course grade, the same opportunity must be offered to all students enrolled in the course.

Dates in the University of Houston approved Academic Calendar shall be used for determining the last days for withdrawal from and dropping courses with and without grades. The Office of Optometry Relations must notify the Academic Committee Chair and Associate Dean for Professional Studies immediately when a student who is on probation drops or withdraws from a course. If any student is found to be erroneously enrolled in a course or section, they will be notified of the error by the Office of Optometry Relations and/or the Assistant Dean for Professional Studies. The student is expected to remedy the issue by the date set out by the University. If a student fails to respond or make the necessary changes, they may be dropped from a course by the College Registrar.



Scholarships and Financial Aid: College of Optometry

Graduate Student Fellowships

For graduate (MS or PhD) students, the College offers students fellowships to help defray the cost of their graduate education. The Graduate Tuition Fellowship covers the cost of in-state tuition for qualified PhD students. Exceptional PhD applicants to our programs are also eligible for a Presidential fellowship for the first two-years of their graduate study or a Houston Endowment Fellowship for three to five years of graduate study.

Graduate Student Assistants

Graduate student (MS or PhD) assistants and teaching fellows are graduate students in good standing who are enrolled full-time and hold an appointment that requires fulfilling such duties as classroom and/or laboratory instruction, clinical instruction, grading papers and exams, or research. There are four graduate student appointment categories, encompassing the position of Teaching Fellow, Teaching Assistant, Instructional Assistant and Research Assistant.

Graduate assistants and teaching fellows will normally be limited to a 50 percent appointment, which usually entails service for no more than an average of 20 hours per week, including time spent in preparation, in the classroom and laboratory, in reading papers and examinations, and in any combination of these or other activities as assigned. An increase in percent appointment requires approval of the College Dean and the Dean of the Graduate School. Teaching Fellows (graduate students teaching a course for credit) must have completed a minimum of 18 semester hours in graduate credit in their teaching field, must be in good standing and must be making satisfactory progress toward the degree. The Teaching Fellow may be listed as the instructor of record.

International and non-resident graduate student assistants are granted a non-resident tuition waiver, which allows them to pay only in-state tuition.



Faculty: College of Optometry

Faculty Emeriti

Harold E. Bedell. Professor Emeritus of Optometry and Physiological Optics. Ph.D., University of Florida.

Ronald S. Harwerth. Professor Emeritus of Optometry and Physiological Optics. O.D., University of Houston; Ph.D., University of Texas Health Science Center at Houston.

Randall Jose. Professor Emeritus of Optometry. O.D., University of California, Berkeley.

Penelope Kegel-Flom. Professor Emeritus of Optometry. Ph.D., University of California, Berkeley.

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Faculty

Heather A. Anderson. Associate Professor of Optometry and Physiological Optics. O.D., Ph.D., University of Houston.

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David A. Berntsen. Golden-Golden Associate Professor of Optometry and Physiological Optics. O.D., University of Houston; Residency in Cornea and Contact Lens, M.S., Ph.D., The Ohio State University.

Rudolph Black. Clinical Associate Professor of Optometry. O.D., University of Houston.

Alan R. Burns. McDaid-Vision Source Professor of Optometry and Physiological Optics. Ph.D., University of British Columbia.

Carolyn Carman. Clinical Professor of Optometry. O.D., Southern College of Optometry.

Louvenia Carter-Dawson. Senior Research Professor of Physiological Optics. Ph.D., Harvard Medical School, Division of Biomedical Science.

Moriah Chandler. Clinical Assistant Professor of Optometry. O.D., The Ohio State University.

Han Cheng. Clinical Professor of Optometry and Physiological Optics. Ph.D., O.D., University of Houston.

Yuzo M. Chino. Benedict-McFadden Professor of Optometry and Physiological Optics. Ph.D., Syracuse University.

Daniel R. Coates. Assistant Professor of Optometry and Physiological Optics. Ph.D., University of California, Berkeley.

Vivien J. Coulson-Thomas. Assistant Professor of Optometry and Physiological Optics. Ph.D., Federal University of São Paulo, Brazil.

Debra Currie. Clinical Professor of Optometry. O.D., University of Waterloo; M.S., University of Houston.



Vallabh E. Das. Chair of Basic Sciences. Benedict-Pitts Professor of Optometry and Physiological Optics. Ph.D., Case Western Reserve University.

Jennifer L. Deakins. Clinical Assistant Professor of Optometry. O.D., University of Houston; Residency in Ocular Disease at Cedar Springs Eye Clinic in Dallas, Texas.

Joe Deloach. Clinical Professor of Optometry. O.D., University of Houston.

Karen D. Fern. Associate Professor of Optometry and Physiological Optics. O.D., Pacific University; Residency in Pediatric Optometry, University of Houston.

Laura J. Frishman. Associate Dean for Graduate Studies and Research and John and Rebecca Moores Professor. Professor of Optometry and Physiological Optics. Ph.D., University of Pittsburgh.

Janet Garza. Clinical Assistant Professor. O.D., University of Houston.

Gavin Gerondale. Clinical Assistant Professor of Optometry. O.D., Northeast Oklahoma State University.

Amber Gaume Giannoni. Clinical Professor of Optometry. O.D., Fellowship in Cornea and Contact Lens Research, University of Houston.

Marcus Gonzales. Clinical Assistant Professor of Optometry. O.D., University of Houston.

Anita Ticak Gostivic. Clinical Associate Professor. O.D., M.S., The Ohio State University.

Samuel Hanlon. Research Associate Professor. Physiological Optics. O.D., Southern College of Optometry; M.S., California State University at Fullerton; Ph.D., University of Houston.

Wendy Harrison. Associate Professor. O.D., Indiana University; Ph.D. University of California, Berkeley.

Ralph J. Herring. Assistant Dean for Professional Studies, Clinical Associate Professor of Optometry. O.D., University of Houston; Residency in Family Practice Optometry, University of Alabama at Birmingham.

Nicole Hooper. Clinical Assistant Professor of Optometry. O.D., Southern California College of Optometry.

Li-Fang Hung. Research Scientist. B. Med., Chung-Shan Medical and Dental College Taiwan. O.D., Ph.D., University of Houston.

Casey Johnston. Clinical Assistant Professor of Optometry. O.D., University of Houston.

Kassandra Johnston. Clinical Assistant Professor of Optometry. O.D., Residency in Pediatric Optometry, University of Houston.

Matthew Kauffman. Clinical Assistant Professor of Optometry. O.D., University of Houston.

Lucy Kehinde. Clinical Assistant Professor of Optometry. Ph.D., O.D., University of Alabama.

Andrew Kemp. Clinical Assistant Professor of Optometry. O.D., University of Houston; Residency in Ocular Disease at the Cedar Springs Eye Clinic.

Tonya G. Ketcham. Clinical Assistant Professor of Optometry. O.D., Indiana University School of Optometry; Ph.D., Indiana University Medical School.

Julianne Knowles. Clinical Associate Professor of Optometry. O.D., Ferris State University.

Zanna Kruoch. Clinical Assistant Professor of Optometry. O.D., University of Houston.



Kimberly Lambrechts. Associate Dean for Professional Studies, Clinical Professor of Optometry. R.N., Pace University; O.D., The State University of New York College of Optometry; Residency in Hospital-Based Optometry, Northpost V.A. Medical Center, New York.

Karen L. Lee. Clinical Assistant Professor. O.D., Indiana University; Cornea and Contact Lens Residency, Southern California College of Optometry.

Anna-Kaye Logan. Clinical Assistant Professor of Optometry. O.D., Nova Southeastern University. Residency in Cornea and Contact Lens, University of Houston.

Ruth E. Manny. Charles R. Stewart Professor of Optometry and Physiological Optics. O.D., Ph.D., University of Houston.

Danica Marrelli. Assistant Dean for Clinical Education, Clinical Professor of Optometry. O.D., University of Houston; Residency in Hospital-Based Optometry, Ft. Howard/Baltimore V.A. Medical Center.

Jason Marsack. Assistant Professor of Optometry and Physiological Optics. Ph.D., University of Houston; M.S., Biomedical Engineering, University of Texas at Austin.

Muriel Martinez. Clinical Assistant Professor of Optometry. O.D., University of Houston; Residency in Pediatric Optometry, University of Houston.

Rebekah Montes. Clinical Assistant Professor of Optometry. O.D., University of Houston; Residency in Community Based Family Practice, University of Houston.

Susana Moreno. Clinical Director, Hope Eye Clinic, Clinical Assistant Professor of Optometry. O.D., University of Houston; Teaching Fellowship, University of Houston.

Swati Modi. Clinical Associate Professor of Optometry. O.D., University of Houston; Residency in Low Vision Rehabilitation, University of Houston.

Lisa A. Ostrin. Assistant Professor of Optometry and Physiological Optics. Ph.D., Physiological Optics and Vision Sciences; O.D., University of Houston.

Deborah C. Otteson. Associate Professor of Optometry and Physiological Optics. Ph.D., University of Michigan.

Lloyd Pate. Clinical Associate Professor of Optometry. O.D., University of Houston.

Nimesh B. Patel. Associate Professor of Optometry and Physiological Optics. Ph.D., University of Houston; O.D., Southern College of Optometry.

David M. Perrigin. Associate Professor of Optometry. O.D., University of Houston.

Judith Perrigin. Professor of Optometry. O.D., University of Houston.

Marcus G. Piccolo. Associate Dean for Clinical Education and Associate Dean for Professional Advancement. O.D., Pennsylvania College of Optometry.

Jason Porter. Associate Professor of Optometry and Physiological Optics. Ph.D., University of Rochester.

Guoting Qin. Research Assistant Professor of Physiological Optics. Ph.D., University of Houston.

Sam Quintero. Adjunct Associate Professor of Optometry. O.D., University of Houston.

Vijay Krishna Raghunathan. Assistant Professor of Optometry and Physiological Optics. Ph.D., University of Strathclyde, Glasgow, United Kingdom.



Rachel Redfern. Associate Professor of Optometry and Physiological Optics. O.D., Ph.D., University of Houston.

Kathryn Richdale. Associate Professor of Optometry and Physiological Optics. O.D., Ph.D., The Ohio State University.

Eric R. Ritchey. Assistant Professor of Optometry and Physiological Optics. O.D., Ph.D., The Ohio State University.

Krystal Schulle. Clinical Assistant Professor of Optometry. O.D., University of Houston.

Padhmalatha Segu. Clinical Professor of Optometry and Director of Optometry Services at Good Neighbor Healthcare Center. O.D., University of Houston; Residency in Hospital-Based Optometry, American Lake V.A. Medical Center.

Lanny Shulman. Clinical Associate Professor of Optometry. Ph.D., O.D., University of Houston.

Earl L. Smith, III. Greeman-Petty Professor of Vision Development. O.D., Ph.D., University of Houston.

Scott B. Stevenson. Associate Professor of Optometry and Physiological Optics. Ph.D., Brown University.

Ashley Wallace-Tucker. Visiting Assistant Professor of Optometry. O.D., University of Houston.

Michael D. Twa. Dean and Professor of Optometry and Physiological Optics. O.D., UC Berkeley; Ph.D., The Ohio State University.

James Walters. Associate Professor of Optometry and Physiological Optics. Ph.D., Michigan State University; O.D., New England College of Optometry.

Janice Wensveen. Clinical Professor of Optometry. O.D., University of Waterloo; Ph.D., University of Houston College of Optometry.

Maria Walker. Lecturer. M.S., O.D., The New England College of Optometry; Residency in Cornea and Contact Lens, Pacific University.

Joe L. Wheat. Clinical Associate Professor of Optometry. O.D., Ph.D., University of Houston.

Mona Younes. Clinical Assistant Professor of Optometry. M.B.Ch.B. in Medicine, University of Alexandria, Egypt; O.D., M.S., University of Houston.

Faculty Research

Heather A. Anderson. Associate Professor. O.D., Ph.D., University of Houston. Objective measurements of accommodation in children and factors limiting quality in individuals with Down Syndrome.

Raymond Applegate. Professor and Borish Chair of Optometry. O.D., Indiana University; Ph.D., University of California at Berkeley. Visual optics, ocular aberrations, cataract, refractive surgery, early disease detection.

Julia Benoit. Research Assistant Professor of Physiological Optics. Ph.D., University of Texas Health Science Center at Houston. Statistical methodology for longitudinal studies.

Jan P. G. Bergmanson. Brien Holden Professor. Ph.D., Sc.D., City University (London); O.D., Pennsylvania College of Optometry. Anatomy and pathology of cornea, corneal response to contact lenses, ultrastructural analysis of laser effects on ocular tissue.

David A. Berntsen. Golden-Golden Professor, Associate Professor of Optometry and Physiological Optics. O.D., University of Houston; Residency in Cornea and Contact Lens, M.S., Ph.D., The Ohio State University. Myopia, contact lens, aberrations of the eye.

Alan R. Burns. McDaid-Vision Source Professor. Ph.D., University of British Columbia. Inflammation of the cornea, cornea wound healing; leucocyte biology.



Louvenia Carter-Dawson. Senior Research Professor. Ph.D., Harvard Medical School, Division of Biomedical Science. Retinal cell biology, confocal microscopy of retina and optic nerve, retinal ganglion cell injury and death in glaucoma.

Han Cheng. Clinical Professor. O.D., Ph.D., University of Houston. Noninvasive functional and structural evaluation of the visual pathways under normal and pathological conditions.

Yuzo M. Chino. Benedict-McFadden Professor. Ph.D., Syracuse. Neural plasticity; effects of abnormal visual experience on retinogeniculostriate pathways.

Daniel R. Coates. Assistant Professor of Optometry and Physiological Optics. Ph.D., University of California, Berkeley. Spatial vision, color vision, reading, and statistical and psychophysical methods.

Vivien J. Coulson-Thomas. Assistant Professor of Optometry and Physiological Optics. Ph.D., Federal University of São Paulo, Brazil. Study of glycosaminoglycans and proteoglycans in the field of: cornea, cancer, wound healing, stem cells, inflammation, development, spinal cord injury and nerve regeneration.

Vallabh E. Das. Benedict-Pitts Professor. Ph.D., Case Western Reserve University. Development of visual and oculomotor function; Response properties of neural oculomotor circuits in strabismus.

Karen D. Fern. Associate Professor. O.D., Pacific University. Vision development, assessing visual functions in preschool children, preschool vision screening.

Laura J. Frishman. John and Rebecca Moores Professor. M.S., Ph.D., University of Pittsburgh. Retinal physiology, retinal origins and cellular mechanisms of the electroretinogram (ERG).

Samuel Hanlon. Research Associate Professor. O.D., Southern College of Optometry; M.S., California State University at Fullerton; Ph.D., University of Houston. Corneal inflammation, nerve regeneration and wound healing; developing animal models for studying meibomian gland dysfunction and early signs of ocular inflammation related to contact lens wear.

Wendy Harrison. Associate Professor. O.D., Indiana University; Ph.D., University of California, Berkeley. Structural and functional changes in the eye in patients with diabetes.

Ruth E. Manny. Charles R. Stewart Professor. O.D., Ph.D., University of Houston. Development of normal and abnormal vision in human infants; preschool vision screening.

Jason D. Marsack. Assistant Professor. Ph.D., University of Houston; M.S., Biomedical Engineering, University of Texas at Austin. Visual optics, ocular aberrations and optical corrections, wavefront guided contact lens development.

Swati Modi. Clinical Assistant Professor of Optometry. O.D., University of Houston; Residency in Low Vision Rehabilitation, University of Houston. Low vision research.

Lisa A. Ostrin. Assistant Professor. O.D., University of Houston; Ph.D. Structural and functional ocular changes in myopia, susceptibility for other ocular disorders, such as glaucoma, in myopic eyes.

Deborah C. Otteson. Associate Professor. Ph.D., University of Michigan. Genetic, cellular and molecular perspectives on morphogenesis, neurogenesis and regeneration of the retina in vertebrates. Molecular regulation of cell-specific gene expression in the retina.

Nimesh B. Patel. Associate Professor. Ph.D., University of Houston; O.D., Southern College of Optometry. Methodologies for structural analysis that account for non-neuronal tissue and ocular magnification, structural risk factors for glaucoma progression, and the relationship between ganglion cell layer/inner plexiform layer thickness and visual function.

Judy Perrigin. Professor. O.D., University of Houston. Contact lenses primary eye care; medical laboratory analysis; ocular microbiology's epidemiology of refractive errors.



Jason Porter. Associate Professor. Ph.D., University of Rochester. High-resolution retinal imaging with adaptive optics, scanning laser ophthalmoscopy, mechanics of retinal disease.

Guoting Qin. Research Assistant Professor. Ph.D., University of Houston. Ocular surface pathology, drug delivery, antimicrobial peptides, applications of surface chemistry.

Vijay Krishna Raghunathan. Assistant Professor. Ph.D., University of Strathclyde, Glasgow, United Kingdom. Mechanobiology of normal and diseased ocular tissues, novel strategies for tissue engineering/regenerative medicine of ocular tissues.

Rachel L. Redfern. Associate Professor. O.D., Ph.D., University of Houston. Toll-like receptors in ocular surface pathology, ocular allergy, ocular surface inflammation, dry eye disease.

Kathryn Richdale. Associate Professor. O.D., Ph.D., The Ohio State University. Contact lenses, presbyopia, accommodation, anterior segment effects of diabetes and obesity.

Eric R. Ritchey. Assistant Professor. O.D., Ph.D., The Ohio State University. Myopia development and contact lenses.

Krystal Schulle. Clinical Assistant Professor. O.D., University of Houston. Myopia, contact lenses, and myopia progression.

Earl L. Smith III. Greeman-Petty Professor. O.D., Ph.D., University of Houston. Amblyopia; binocular vision; psychophysical and neurophysiological effects of abnormal visual experience; myopia.

Scott B. Stevenson. Associate Professor. Ph.D., Brown University. Vergence eye movements and binocular coordination; stereoscopic depth perception; modeling of binocular image matching processes.

Michael D. Twa. Professor. O.D., UC Berkeley; Ph.D., The Ohio State University. Optical OCT elastography, corneal and other soft tissue biomechanics, structure-function relationships in keratoconus, glaucoma and other diseases.

Janice Wensveen. Clinical Professor. O.D., University of Waterloo; Ph.D., University of Houston. Stereopsis in normal and abnormal binocular vision; clinical accommodative/vergence anomalies; risk factors for myopia.

Joe L. Wheat. Clinical Associate Professor. O.D., Ph.D., University of Houston. Structure-function relations in glaucoma and other ocular diseases.



College of Pharmacy

The College of Pharmacy, established in 1947, prepares students to enter into the practice of pharmacy and to function as professionals and informed citizens in a changing healthcare system and to assume important roles as drug information specialists and primary care providers.

Programs

Master

Pharmacy Leadership and Administration, MS
zPharmacy Leadership and Administration, MS

Doctoral

Pharmaceutical Sciences, PhD
Pharmaceutical Sciences, PhD and Pharmaceutical Sciences/Medicinal Chemistry Specialization, PhD
zPharmaceutics, PhD

Dual Degree - Graduate

zPharmaceutics/Pharmacology/Medicinal Chemistry, PharmD/PhD

Professional

Pharmacy, PharmD



About the College of Pharmacy

Office of the Dean

(713) 743-1252

Health 2 Building, 4849 Calhoun, Rm 3046

Office of Research and Graduate Programs

(713) 743-7725

Health 2 Building, 4849 Calhoun, Rm 6007A

Office of Student and Professional Affairs

(713) 743-1239

Health 2 Building, 4849 Calhoun, Rm 3044

Office of Experiential Programs, Professional Program

(832) 842-8337

Health 2 Building, 4849 Calhoun, Rm 3044

Office of Academic Affairs

(713) 743-7347

Health 2 Building, 4849 Calhoun, Rm 3046

Pharmacological and Pharmaceutical Sciences

(Ph.D. Program in Pharmacology/Pharmaceutics)

(713) 743-7757

Health 2 Building, 4849 Calhoun, 5th floor and 7th floor

Pharmacy Practice and Translational Research

MS Pharmacy Administration

(713) 795-8380

Health 2 Building, 4849 Calhoun, 4th floor

Pharmaceutical Health Outcomes and Policy



Health 2 Building, 4849 Calhoun, 4th floor
(713) 743-1730
Dean:
F. Lamar Pritchard, Ph.D.

Executive Vice Dean for Research:

Mustafa Lokhandwala, Ph.D.

Executive Associate Dean:

Andrea Smesny, Pharm.D.

Associate Dean for Academic Affairs:

Elizabeth Coyle, Pharm.D.

Assistant Dean for Graduate Programs:

Brian Knoll, Ph.D.

Assistant Dean for Student and Professional Affairs:

Paige Pitman, Pharm.D.

Assistant Dean for Experiential Programs:

Nancy Ordonez, Pharm.D.

Assistant Dean, Rio Grande Valley:

Ronnie Ozuna, Pharm.D.

Director of Business Operations:

LaSaundra Cotright, M.B.A.

Department of Pharmaceutical and Pharmacological Sciences:

Douglas Eikenburg, Ph.D., Department Chair



Department of Pharmaceutical Health Outcomes and Policy:

Rajendar Aparasu, Ph.D., Department Chair

Department of Pharmacy Practice and Translational Research:

Kevin Garey, Pharm.D., Department Chair

About the Profession of Pharmacy

The College of Pharmacy, established in 1947, prepares students to enter into the practice of pharmacy and to function as professionals and informed citizens in a changing health care system and to assume important roles as drug information specialists and primary care providers.

Upon graduation, the new professional utilizes a foundation of skills in administrative, biological, clinical, and pharmaceutical sciences to take an active role in contemporary pharmacy practice - shaping policies and the future directions of the profession. Career options in pharmacy are virtually unlimited. From community to hospital practice, from home care to nuclear pharmacy, from clinical practice to basic science research in the pharmaceutical industry, pharmacists participate in areas that provide patient care and unravel the mysteries of human health. Employment opportunities are also available in academia.

Pharmacists educate health care professionals, undergraduate and graduate students, and patients in institutions and communities throughout the world. Pharmacists are responsible for supervising the drug distribution process, selecting appropriate drug therapies, determining drug dosages and routes of administration, and monitoring therapeutic outcomes. Working with other health care providers-physicians, nurses, veterinarians, and dentists-pharmacists complement the health care system by providing pharmaceutical care.

About Pharmacological and Pharmaceutical Sciences

In addition to training pharmacy professionals, the College of Pharmacy trains students for research careers as in Pharmacologic & Pharmaceutical Sciences. Through its Doctor of Philosophy programs, students are trained as future scientists that will contribute to the understanding of disease states and the development of new therapeutic interventions through basic science research. Graduates of these programs have opportunities in careers including (but not limited to) academic research and teaching, research and development in the pharmaceutical industry, and employment in federal regulatory agencies responsible for the review and approval of new therapeutic agents.

About the PharmD/PhD Program

The PharmD/PhD program is designed for the highly motivated and qualified individuals who are seeking an integrated program in the clinical and basic sciences preparing them for a career in academics or research. By carefully structuring the dual degree program on a year-round basis, it is possible to complete the requirements of both the Doctor of Pharmacy and Doctor of Philosophy degrees in seven years. Only a select few students will be able to meet the rigors and demands of such an academic endeavor. The degree program complements and not supplants the existing PharmD and PhD programs.

The PharmD/PhD program is not a new curriculum per se; but rather a restructured program flexible enough for serving a combined purpose. The restructuring allows a student to complete both degree requirements in a shorter duration of time as opposed to entering each degree program (PharmD, followed by PhD) successively. Furthermore, a dual degree program is focused in that it flows in a more clearly defined pathway than the traditional two separate pathways. Due to the additional academic and/or research commitment required of students, the



college REQUIRES applicants to have successfully completed the first year (P1) of the PharmD curriculum before being considered for admission into the PharmD/PhD program.

About the PhD Programs in Pharmaceutical Outcomes and Policy (PHOP)

PHOP as a research area encompasses issues dealing with the various topics involved in Pharmaceutical Outcomes Management, Health Outcomes Research, Pharmacy Business Administration, Pharmaceutical and Pharmacy Management, Pharmaceutical Marketing, Consumer Health Behavior, Managed Health Care Issues, Health Policy Development, Pharmaceutical Care, Health Systems Operations, and Information Systems in Health Care.

In PHOP research, these topics are considered in a systematic and scientific manner to conduct inquiry and evaluate drug therapy decisions by measuring and analyzing patient outcomes for the evaluation and improvement of access, effectiveness, and quality of care. The mission of this program is to develop outstanding graduates to assume leadership positions in the field of pharmacy outcomes research for careers in academia, government, and industry-related health care organizations. Graduates of this program will be prepared to become scientists, directors and professors with a philosophy based on excellence in teaching, research and service in the areas of pharmacy administration.

About the MS Program in Pharmacy Leadership and Administration

The MS Program in Pharmacy Leadership and Administration is a post Doctor of Pharmacy graduate degree program taking full advantage of the resources of the world's largest medical center, the 24-month Houston Program in Pharmacy Leadership and Administration offers unique learning, teaching and collaboration opportunities to train the next generation of pharmacy leaders.

The University of Houston College of Pharmacy offers a Master of Science in Pharmacy Leadership and Administration, with PGY1 and PGY2 Health-System Pharmacy Administration (HSPA) residency programs from seven leading Texas Medical Center institutions.

Texas Medical Center institutions with HSPA residencies participating in the Houston Program: Baylor St. Luke's Medical Center, Harris Health System, Houston Methodist Hospital, Memorial Hermann Health System, Michael E. DeBakey Veterans Affairs Medical Center, Texas Children's Hospital, and The University of Texas MD Anderson Cancer Center.

About the PharmD/MBA Program

The College of Pharmacy and the C.T. Bauer College of Business at the University of Houston offer a joint degree program that enables students to prepare for careers in which the understanding of both business and pharmacy is critical. This program provides students with the opportunity to complete the degree requirements of a Doctorate of Pharmacy and a Master of Business Administration in a shorter period of time than if the degrees were pursued independently.

About the Spanish Certificate Program

The Certificate in Spanish for the Professions in the Global World is designed for students who anticipate careers in which they will need to interact with Hispanic communities in the U.S. or abroad and who wish to continue the study of Spanish language and culture for specific professional purposes: business, social work, medical, journalism and mass communications, education, hotel and restaurant management or law. The profession-specific course for this option for the certificate includes experiential learning through fieldwork and/or public service. Students preparing for their professional lives often are not aware of the usefulness of knowledge of the Spanish language and Hispanic cultures across the professions within the United States. This Certificate raises student awareness so that they might pursue Spanish for a



specific profession before they are active professionals. Through this Certificate, students derive their own answers to common questions such as: Why is there a language requirement at this university? What can I do with my Spanish when I've finished the language requirement?

About the College

Students at the College of Pharmacy have at their disposal virtually every resource and opportunity they need to acquire a first-class education in pharmacy. In the college's new facility the students have state of the art classrooms, pharmacy practice labs including a mock pharmacy and sterile compounding room. In these state of the art facilities, students learn techniques in the patient care process by role-playing situations they would experience as pharmacists. For study and research needs, students can take advantage of the health sciences library on campus or the world renowned Texas Medical Center Library. The students have the opportunity to train with physicians, medical students and members of our clinical faculty.

Graduate students in Pharmacology/Pharmaceutics have available to them the research laboratories of the College of Pharmacy and can interact with faculty and students in related disciplines such as biology/biochemistry, chemistry, vision sciences, chemical and biomedical engineering. At the Texas Medical Center, our graduate students have the opportunity to take classes and participate in collaborative research projects with faculty at the M.D. Anderson Cancer Center, Baylor College of Medicine, the Methodist Hospital, and the University of Texas Health Science Center-Houston. Current training areas include cardiovascular/renal and neuro-pharmacology, signal transduction and cellular signaling mechanisms, novel drug delivery systems, structural biology, drug absorption and kinetics, and novel dosage forms.

Accreditation

The College of Pharmacy is accredited by the Accreditation Council for Pharmacy Education and holds membership in the American Association of Colleges of Pharmacy.



Tuition and Fees: College of Pharmacy

The University of Houston is a state-assisted institution. Tuition for the 2017-2018 school year is \$602 per semester hour for Texas residents and \$1117 per semester hour for non-residents. The course load for the first two semesters of pharmacy school is 32 semester hours. In addition to tuition, about \$1600.00 in fees is also required each semester for full-time students.

For information on tuition and fees for the MS Program in Pharmacy Leadership and Administration, contact the College of Pharmacy Graduate Programs Office.

For information on tuition and fees for the PhD Program in Pharmacology/Pharmaceutics, contact the College of Pharmacy Graduate Programs Office.

Tuition and fees are set by the Texas Legislature and the University of Houston System Board of Regents and are subject to change without notice. Tuition and fee payment can be paid in full or in three installments with cash, check, money order or credit card (MasterCard, Visa, or Discover Card).



Academic Policies: College of Pharmacy

Student Recovery Program

The Student Recovery Program is provided to inform students of the College of Pharmacy's desire to promote responsible use of alcohol by students. This policy will be discussed in detail during the first professional year. The UH College of Pharmacy recognizes the need to establish procedures to encourage students who may experience impairments that are due to inappropriate chemical use, and/or physical, and mental issues. The College encourages students to seek and obtain the needed treatment in order to complete their professional education and become productive members of society. Alcoholism and drug dependency affect society in general and is especially prevalent in the health care professions. The College recognizes that drug dependency and alcoholism have the potential to affect society and require treatment. The College desires to assist impaired students and their immediate families, as well as students adversely affected by other chemically dependent individuals. The College advocates the referral of impaired students to the Assistant Dean for Student and Professional Affairs for initial assessment and to the Professional Recovery Network of the Texas Pharmacy Association for initial evaluation and possible treatment. With this in mind, the UH College of Pharmacy establishes a Student Pharmacist Recovery Network in association with the Texas Pharmacy Association Professional Recovery Program (TPA-PRN).

Postgraduate Licensure

Students graduating with the Doctor of Pharmacy degree are eligible to sit for the Multi-State Pharmacy Jurisprudence Examination (MPJE) and North American Pharmacist Licensure Examination (NAPLEX) examination.

Texas State Board of Pharmacy Registration Internship Requirement

Under the Texas State Board of Pharmacy Rules and Regulations a student is required to enroll as an intern trainee upon entry into the professional pharmacy degree program and then as a student - pharmacy intern prior to performing student internship duties and only after successfully completing the first year and 30 credit hours of work towards a professional degree in pharmacy. The agreement for registration requires a student to reveal personal history (i.e. conviction of a felony or any misdemeanor other than a minor traffic violation and finger printing). A Social Security number is mandatory and required to be issued an intern card. For more information, contact:

Texas State Board of Pharmacy
William P. Hobby Building, Tower 3, Suite 600
333 Guadalupe Street
Austin, Texas 78701-3942
512-305-8000

Academic Standing

Requirements for PharmD Progression

GRADES

The grade point average in professional pharmacy courses is used as a basis for determining progression, probation, and suspension in the college (see #1 below on requirements for progression guidelines and the probation and suspension guidelines).



For any professional courses repeated at the university, both grades will be used in the computation of the grade point average. Grades earned on courses transferred from another college or university will not be used in the computation of the grade point average. Only course credit will be accepted in transfer from another college or university.

ACADEMIC STANDING REQUIREMENTS FOR PROGRESSION

Students must satisfactorily complete all required courses during the first three professional years with a 2.00 minimum grade point average to progress to the final professional year. At the end of each semester, the Admissions and Progression Committee will review the academic records of all students with a cumulative grade point average below 2.00, or with one or more grades below a C, or with one or more grades of U (unsatisfactory) in required courses.

Professional coursework attempted during summer sessions I, II, III and/or IV counts as a semester.

A grade of C or better must be earned in all pharmacy courses and pharmacy practice experiences to apply toward progression or graduation.

For P1 and P2's the Pharmacy Curriculum Outcomes Assessment (PCOA) examination is formative and meant to prepare them for the summative PCOA in their P3 year. Students who do not meet the minimum competency of the PCOA in years 1 and 2 will be required to work with the Director of Assessment to develop an individualized remediation plan in identified areas of weakness that will be signed by the student and put in the student's file.

Students in their 3rd year of the curriculum will be required to meet the minimum competency of the PCOA in the spring of their P3 year in order to progress to their advanced pharmacy practice experiences (APPEs). Students not meeting the minimum competency on the PCOA will have to retake the PCOA until successful. In addition, they will meet with the Associate Dean for Academic Affairs to set up a remediation plan. Retaking the PCOA may result in a delay in graduation.

Students must have prior permission to register for less than a full load as published in the university catalog. In addition, a student wishing to drop a course or courses during the semester may do so in accordance with college policy. Students will also need permission from the Assistant Dean for Student & Professional Affairs and approval of the Associate Dean for Academic Affairs.

The college will not grant credit for any course taken without the proper prerequisites.

Students will not be permitted to register for any course in the professional program more than two times. The student who fails a course twice or whose grade fails to meet minimum grade requirements, as described in rule 1 of this section or as specified by the Admissions and Progression Committee, is ineligible to continue in the professional program.

Students must satisfactorily complete all required second-year courses with a grade of S or C or better, excluding electives, to be eligible for Introductory Community Pharmacy, PHAR 5493.

Criminal Background Checks and Drug Screenings: All students admitted into the University of Houston College of Pharmacy Doctor of Pharmacy program are required to participate in pharmacy practice experiences for graduation. Many hospitals and other health care organizations operating under the Joint Commission of Accreditation of Healthcare Organizations are requiring criminal background checks and/or drug screenings for all individuals who have direct contact with patients, including pharmacy students placed in early/introductory pharmacy practice experience (IPPE) and/or advanced clinical pharmacy practice experience (APPE) assignments at these sites. As a result of these requirements, a student with disqualifying criminal conviction(s) and/or drug screening results may be prevented from undertaking clinical APPEs that are required to complete the pharmacy program at the University of Houston. Students who cannot pass the background check and/or drug screening tests will not be admitted and/or unable to complete the required curriculum (pharmacy practice experiences) for graduation, and will therefore be withdrawn from the Doctor of Pharmacy program by the University of Houston College of Pharmacy.

All students must complete the professional coursework for the Doctor of Pharmacy program within a period of six years from the time of admission, including remediation, withdrawals, and progression problems. The Associate Dean for Academic Affairs will withdraw the student from the professional program when appropriate. Exceptions to this policy will be considered by the Dean of the college on a case-by-case basis.

The University of Houston College of Pharmacy (UHCOP) requires all pharmacy students admitted to the Doctor of Pharmacy Program to carry out and maintain health insurance coverage while enrolled in the program. The UHCOP does not endorse any specific carrier and students can either purchase health insurance through the University of Houston or provide proof of a comparable insurance through an outside provider. Students must maintain health insurance coverage by a policy that meets or exceeds the coverage provided by the student health insurance endorsed by the University of Houston. The university health insurance program offers



students coverage through specific providers. For more information on the schedule of benefits associated with the policy, visit www.uh.edu/healthcenter/insurance/#domestic-students

Students must submit a copy of the front and back of their insurance card to the E*Value prior to the first day of each semester. Students who do not submit proof of health insurance coverage by the deadline will not be allowed to register and/or attend classes and ultimately may be prevented from undertaking early/introductory pharmacy practice experiences (IPPEs) and/or advanced clinical pharmacy practice experiences (APPEs) that are required for completion of the Doctor of Pharmacy degree.

Criminal Background Check Policy

Rationale

All students admitted into the University of Houston College of Pharmacy Doctor of Pharmacy program are required to participate in pharmacy practice experiences for graduation. Many hospitals and other health care organizations operating under the Joint Commission of Accreditation of Healthcare Organizations are requiring criminal background checks and/or drug screenings for all individuals who have direct contact with patients, including pharmacy students placed in early/introductory pharmacy practice experience (IPPE) and/or advanced clinical pharmacy practice experience (APPE) assignments at these sites. As a result of these requirements, a student with disqualifying criminal conviction(s) and/or drug screening results may be prevented from undertaking clinical rotations that are required to complete the pharmacy program at the University of Houston.

Criminal Background Check Policy

All applicants accepted to the College of Pharmacy (hereinafter referred to as "College of Pharmacy" or "College") must satisfactorily complete (submit to and pay for) a criminal background check from a vendor approved by the College of Pharmacy. Adverse information that is found in a criminal history background check may result in the withdrawal of the applicant's offer of admission or dismissal from the program.

Generally, applicants will receive notice of this policy at the time of acceptance into the professional program. An accepted applicant is responsible for contacting the approved vendor and complying with the vendor's and/or hospital/health care facility's instructions concerning completing a criminal background check within fourteen (14) calendar days of receiving the notice of this policy. Failure to request a criminal background check in a timely manner and by the timeline specified in this policy is grounds for withdrawal of the offer of admission.

After acceptance the applicant shall provide written self-disclosure to the Associate Dean for Academic Affairs of any new criminal history record information no later than five (5) business days following the charge of any crime. Failure to disclose information that is subsequently found on a background check may result in withdrawal of the offer of admission from the College or dismissal from the program.

Criminal Background Check

The criminal background check will include a review of the student's or accepted applicant's criminal history for at least the seven (7) years prior to the date the student applies for admission into the program. The following criteria for suitability will be considered:

Social Security Number validation, Criminal history search, including Misdemeanors or felony convictions, or deferred adjudications Pending criminal charges/convictions, National Sexual Offender Registry, Office of the Inspector General (OIG) List of Excluded Individuals/Entities, General Services Administration (GSA) List of Parties Excluded from Federal Programs, Employee Misconduct Registry, U.S. Treasury, Office of Foreign Assets (OFAC), and List of Specially Designated Nationals (SDN) search, Nationwide Healthcare Fraud and Abuse scan, Applicable State Exclusion list, Nationwide Record Indicator and Nationwide Federal Search



Currently Enrolled Students

Currently enrolled students in the College of Pharmacy professional program must annually (and at other times as requested in writing by a hospital or health care organization) satisfactorily complete (submit to and pay for) a criminal background check from an approved vendor prior to participating in IPPE and/or APPE assignments at these sites. Students must contact the designated vendor and comply with its instructions in authorizing and obtaining a background check within the prescribed timeframe. Students successfully completing the first year and progressing to the second year and students successfully completing the second year and progressing to the third year must request and satisfactorily complete an additional criminal background check review no earlier than July 1st, and no later than August 1st, prior to beginning the Fall semester of the second and third year. Students successfully completing the third year and progressing to the fourth year must request another criminal background check review no earlier than April 1st, and no later than May 1st during the Spring semester of their third year. An additional background check may be required if there is a break in enrollment in the professional program. A break in enrollment is defined as non-attendance of one long-term semester (Fall or Spring) or more and will be verified by the Associate Dean for Academic Affairs.

Some criminal offenses preclude students from participating in on-site professional experiences. In addition, some professional licensure boards include specific offenses that constitute those crimes for which licensure is prohibited. Thus students in these situations are subject to the statutory or regulatory requirements independently imposed by law, or as required by affiliating entities.

If an affiliated practice facility requires detailed criminal background check information regarding an individual student assigned to an IPPE or APPE at the facility as a condition for placement, the College will notify the student of such a requirement when notified by the facility. Results of the background check(s) may be submitted directly to the hospital/health care facility or to the College by the vendor. Upon receipt of criminal history information by the College, the College will pass on the results to the requesting hospitals or health care organizations. The hospital or health care organization will be responsible for determining whether an enrolled student is eligible to participate in the clinical practice experience assignment at the site, and will notify the student and the College of its decision. Students whose criminal background is determined as unacceptable by a hospital/health care organization may be unable to complete the curriculum (pharmacy practice experiences) required for graduation by the College of Pharmacy.

Failure to request a criminal background check in a timely manner may delay the student's matriculation into the second, third, and/or fourth year and delay the start of his/her IPPEs and/or APPEs. A student may not be allowed to start a specific IPPE/APPE late due to a delay in criminal background check information being received by the site.

Students enrolled in the College of Pharmacy shall self-disclose to the Associate Dean for Academic Affairs any new criminal history record information as outlined in the criminal background check criteria no later than five (5) business days following the charge of any crime. Failure to disclose information that is subsequently found on a background check may result in dismissal from the College. Criminal activity that occurs while a student is in attendance at the College may result in disciplinary action, including dismissal, and will be addressed according to the College of Pharmacy Code of Professional and Ethical Conduct.

Rights

Accepted applicants and currently enrolled students have the right to review the results of the criminal background check performed by the designated vendor and to request that the designated vendor verify that the background information provided is correct. Prior to making a final determination that may adversely affect the applicant or student, the Associate Dean for Academic Affairs will notify the student or applicant, in writing, of his/her right to review and correct inaccurate information in the report, the process for contacting the designated vendor to challenge the accuracy of the report and the affect an adverse criminal history report may have on his/her continued enrollment in the pharmacy program.

If an adverse criminal history is returned on an applicant or student, the Admissions and Progression Committee will review the report and may request that the applicant or student submit additional information related to the finding (such as court documents and police records), at the applicant's expense. The applicant or student shall be given a reasonable time, generally not less than five (5) business days, to provide documentation establishing that the report is inaccurate, that a reported felony conviction is a lesser violation under the laws of the charging jurisdiction, that a disposition was the subject of a subsequent expungement or sealing order by a competent court, or that the report is



otherwise unreliable. The Committee will review all information available to it to determine whether the offer of admission should be withdrawn from the accepted applicant or if dismissal from the program is warranted.

Applicants who are denied enrollment or students who are dismissed from the program may appeal the decision of the Admissions and Progression Committee to the Dean of College of Pharmacy within 15 business days of the date the student received notice of his/her dismissal from the program. The decision of the Dean of the College of Pharmacy will be final and may not be appealed.

If the background check uncovers a question which can be cleared by the applicant or student, matriculation can be deferred up to one year while the matter is being resolved. However, a student may be granted permission to re-enroll in (IPPE/APPE) after the background check has been cleared if space is available and any applicable tuition and fees are paid.

Drug Screening Policy

The University of Houston College of Pharmacy will not require students to participate in a drug screen. However, the College will inform students that they may be asked by the facility to submit and comply with a drug screen before participating in clinical experiences at certain facilities. If an affiliated practice facility requires drug screening of an individual student assigned to rotate there as a condition for placement in that facility, the College will notify the student of such a requirement in advance. The student will be responsible for contacting an approved vendor, paying for expenses for the drug screen, and insuring that the results of the drug screen are forwarded directly to the facility.

Any students with questions concerning impairment issues while in the professional program should review The University of Houston College of Pharmacy's Student Pharmacist Recovery Program (UHSPRN) in the College of Pharmacy Student Handbook.

Confidentiality of Records

Background check reports and all records pertaining to the results of these processes are considered confidential with restricted access. The results and collateral information are considered educational records and are subject to the Family Educational Rights and Privacy Act.

Access to records and reports outside of the Associate Dean for Academic Affairs and any employee designated as backup must be approved by the Dean of the College of Pharmacy or his designee, prior to granting access. Requests for criminal history and drug screening information must be made in writing on a form approved by the Office of General Counsel. Information contained in the reports/records will not be shared with facilities participating in the clinical IPPEs & APPEs unless a legitimate need is demonstrated and approved by the Dean or his designee.

Recordkeeping

Any background check reports that are retained by the College of Pharmacy shall be placed in a secure location determined by the Associate Dean for Academic and Students Affairs. These records shall be maintained for the duration of the student's enrollment or until the applicant is removed from the accepted student list or as provided by the UH records retention policy, whichever is the greater length of time. The reports and records shall be physically destroyed thereafter.

Falsification of Information

Falsification of information will result in immediate removal of an applicant from the accepted applicant pool or an enrolled student from the degree program.

Immunization Requirements

Students must present proof of adequate immunization against bacterial meningitis, rubeola (common measles), rubella (German measles), mumps, chicken pox (varicella) and tetanus. The Hepatitis B immunization series must be initiated prior to the Fall semester and completed



by January. The influenza vaccine must be kept current annually. A negative TB skin test or chest clearance must be documented no sooner than three months prior to beginning the Fall semester and during the Spring semester of the first, second and third years of pharmacy school. Texas State law mandates that all newly admitted and readmitted students under the age of 22 and all returning students under the age of 22 who have been out for one Fall or Spring semester must provide a certificate signed by a health care provider or an official immunization record verifying that they have been vaccinated against bacterial meningitis or have received a booster during the five years prior to registration. Students who are required to comply with this new law will not be eligible to register for the Fall classes until the necessary proof of immunization or an approved exemption form has been received. Students who need the vaccination must receive it at least 10 days prior to the first class day to be eligible to enroll for the semester. See: <http://www.uh.edu/academics/courses-enrollment/policies/immunization/>.

Probation and Suspension

The following guidelines apply to students in the professional program.

Academic Probation

Doctor of Pharmacy students are placed on academic probation at the close of the semester if they earn any of the following:

- Less than 2.00 semester grade point average;
- A grade of D or F or U in any professional courses;
- Less than 2.00 cumulative grade point average

These students may be required to repeat a course or courses specified by the Admissions and Progression Committee prior to progression into the next professional semester, or the student may be suspended at that time (according to the suspension rules). Students who are placed on probation must submit to the Admissions and Progression Committee a written plan detailing what steps they plan to take to improve their academic situation before they will be permitted to continue in the program. If the student earns a grade of D or F or U after repeating the designated course or courses, the student may be suspended from the pharmacy program. If after repeating the designated courses the student's cumulative grade point average in required courses is below 2.00, the student may be suspended from the pharmacy program. A student normally will not be allowed to repeat courses in which they have made a grade of C or better. A student on probation is not permitted to hold office in a college organization, serve on a college committee, or receive funds for college-supported travel.

Academic Suspension

Doctor of Pharmacy students are considered ineligible to progress in the professional program and placed on academic suspension under any of the following conditions:

- Receipt of a grade of D or F or U in any course in a semester while on academic probation;
- Receipt of less than 2.00 semester grade point average while on academic probation;
- Receipt of less than 2.00 semester grade point average for more than one semester whether consecutive or non-consecutive semester;
- Placement on academic probation more than once;
- Receipt of a grade of D or F or U after repeating a course; or
- Receipt of 1.00 semester grade point average (all digits significant) or less.

All such cases of academic probation and academic suspension will be reviewed carefully by the College's Admissions and Progression Committee. Students may petition the Admissions and Progression Committee in writing if they do not agree with committee decision. The Committee will then review the facts again and issue a second decision. Then and only then can a student appeal to the dean of the college.

The college dean may place on probation, or suspend any deficient student. Similarly, the college dean may remove from academic probation or suspension any student whose academic progress warrants such action. Any student placed on suspension must apply to the Admissions and Progression Committee for re-admission to the college. Suspension lasts for a period of at least one long semester (i.e., Fall or Spring). A student may be denied re-admission to the college but may petition another college or department for re-admission to the University.



Withdrawals

Should a student decide to leave the program for personal or medical reasons, an appointment should be made with the College's Assistant Dean for Student and Professional Affairs to address options and review College and University policies and requirements.

UHCOP WITHDRAWAL POLICY

Leaves of Absence

Leaves of absence are not allowed by the College of Pharmacy. The College of Pharmacy will accept requests for medical and administrative withdrawals.

General Withdrawal

Should a student wish to drop a course or courses, an appointment should be made with the College's Assistant Dean for Student and Professional Affairs and the Associate Dean for Academic Affairs to address options and review the College's and the University of Houston's policy and requirements.

The College does not adhere to the University's drop policy. The professional student cannot drop courses during the semester as advised in the University drop policy. The professional student is expected to be in full time status as published in the College's student handbook. A student on reduced load for the semester must have prior permission to register for less than a full load as published in the College's student handbook.

The College does not adhere to drop dates as noted in the University calendar. The professional student course schedule is such that the time of request and reason for withdrawal will be reviewed by the Admissions and Progression Committee and addressed on an individual basis.

In addition to following the procedure for withdrawals, students must return all library books and laboratory equipment and other college property to have their University of Houston record clear in every respect.

Financial Withdrawal

Students who make payment on their account with checks which are returned to the University for insufficient funds or who fail to pay by designated deadlines may be withdrawn from the University without refund. Students who are financially withdrawn after the last day to drop or withdraw without a grade will receive, "W" or "F" grades only for the semester.

Non-payment of fees may result in courses being dropped. The student will not be allowed to attend classes and this will result in delay in graduation. Students with two or more returned checks must make payment on their account by cash, cashier's check, money order, or credit card. No checks - personal or otherwise - will be accepted.

University Withdrawal

In addition to suspension for academic or disciplinary causes, students may be withdrawn by the University for medical or financial reasons.

MEDICAL AND ADMINISTRATIVE WITHDRAWAL POLICY FOR THE PROFESSIONAL STUDENT

Medical Withdrawal



A student may request withdrawals from all courses in which the student is enrolled in cases where the student experiences a medical situation that impedes academic progress.

Administrative Withdrawal

A student may request withdrawals from all courses in which the student is enrolled in cases when the student experiences an extenuating personal or family situation, beyond the control of the student, which impedes academic progress.

The student will meet with the Assistant Dean for Student and Professional Affairs and Associate Dean for Academic Affairs

The student (or their appointed representatives if they are unable to act for themselves) who seeks to withdraw for medical or administrative reasons from all courses for which they are registered shall request such withdrawals in written form to the Admissions and Progression Committee. The student shall submit all appropriate documentation including a statement from a licensed physician or licensed psychologist, and other appropriate individuals with their written requests.

The Committee shall

- review each request and its accompanying documentation,
- decide whether to make inquiries and seek recommendations from appropriate sources of information,
- decide whether to approve or deny the request,
- inform both the student and the instructors of record of the decision in writing.

Students who are approved to receive medical or administrative withdrawals shall receive an 'I' or a 'W', in each course for which they were registered.

The student who receives a medical or administrative withdrawal understands there is no guarantee of readmission into the program and must submit a written request for readmission to the Admissions and Progression Committee. The student shall submit a written request, including a statement from their licensed physician or licensed psychologist, or other appropriate individuals to the Admissions and Progression Committee justifying their readiness to resume studies.

The Admissions and Progression committee shall

- review each request to resume study in the College,
- decide whether to make inquiries and seek recommendations as appropriate,
- decide whether to approve or deny the request,
- inform both the student and others, as appropriate, of the decision in writing.

Under extenuating circumstances, this policy may be applied retroactively. The deadline for submitting medical or administrative requests will be 90 days after the last day of the requested semester.



Professional Organizations: College of Pharmacy

The College of Pharmacy offers opportunities for participation in activities outside the formal classroom. The faculty encourages participation in student professional organizations, but reserves the right to advise students upon the extent of participation when their scholastic performance is deficient. The college recognizes the following professional organizations:

Pharmacy Council: This organization is comprised of an elected representative and alternate from each pharmacy student organization and from each class, who then elect a president, vice president and secretary. The council coordinates pharmacy student organizational activities and acts as a liaison with the administration and faculty of the college. Activities include hosting the annual school picnic, organizing Texas Pharmacy Week, and holding a canned goods drive at Thanksgiving.

Academy of Students Pharmacists (APhA-ASP): The APhA Academy of Student Pharmacists is the student section of the American Pharmacists Association (APhA), representing over 18,000 student pharmacists at all colleges of pharmacy in the United States and Puerto Rico. Student pharmacists and pre-pharmacy students enrolled at any ACPE-accredited pharmacy school or college are eligible for membership in APhAASP. The organization's mission is to be the collective voice of student pharmacists, and to prepare student pharmacists to be professionals who provide and promote pharmaceutical care. Founded in 1852, APhA is the first established and largest professional association of pharmacists in the U.S. APhA-ASP sponsors three main projects in which students from chapters across the U.S. go into their communities and provide direct patient care and education on topics, such as immunization, diabetes, and heartburn awareness. The UH Chapter of APhA-ASP offers a great outlet for students who wish to become directly involved in promoting the pharmacy profession. There is an annual membership fee.

Christian Pharmacist Fellowship International (CPFI): CPFI is a worldwide, interdenominational ministry of individuals working in all areas of pharmaceutical service and practice. The mission of CPFI is to help pharmacy professionals grow spiritually and to promote fellowship among pharmacists. There is an annual membership fee.

Mexican-American Pharmacy Students Association (MAPSA): The purpose of MAPSA is to promote unity among pharmacy students with common interest, values, and backgrounds. Members participate in a variety of activities including peer tutoring and counseling, fundraising for MAPSA projects, and educational programs regarding contemporary issues affecting the practice of pharmacy and healthcare systems. MAPSA serves to promote the academic excellence and public relations of the College of Pharmacy.

Student National Community Pharmacists Association (NCPA): NCPA is a national organization that represents the interests of independent and private practice pharmacists. This representation includes specialties within pharmacy, such as home health, veterinary, disease-state management and many others. Scholarships and loans are available to student members. The membership fee includes a monthly journal, quarterly student newsletters, and NIPCO module discounts.

Student Industrial Pharmacy Society (SIPS): SIPS is designed for students interested in possible careers in the pharmaceutical industry. The mission of SIPS is to provide a growth environment for pharmacy students to explore opportunities, prepare for challenges, and be groomed for successful careers in the pharmaceutical industry. Some of the activities available to SIPS members include research projects, professional presentations, workshops, guest speakers and on-site visits to pharmaceutical companies. In addition, members will also gain valuable exposure to successful pharmaceutical companies. There is an annual membership fee. Meetings are held twice a month.

Student National Pharmaceutical Association (SNPhA): SNPhA was founded in 1972 as an affiliate of the National Pharmaceutical Association (NPhA). SNPhA is an educational and service association of students who are concerned about pharmacy issues, professional development, and the lack of minority representation in pharmacy and other health-related professions. Members reach out to the community by working with high school students and sharing with them the art of compounding in pharmacy labs in addition to participating in health awareness activities. Members host an annual reception for alumni and prepharmacy students and participate in the recruiting of minority students to the college during the fall semester. The organization attends regional meetings during the spring and national conventions during the summer. There is an annual membership fee.

Student Society of Health-System Pharmacists (SSHP): SSHP focuses on the interests of hospital and allied health professionals. It is affiliated with GCSHP (Gulf Coast), TSHP (Texas), and ASHP (American). The society hosts bimonthly meetings with guest speakers from many different



areas of the profession such as ambulatory care, consulting, hospital, and many more. In addition, SSHP supports the CE and organizational meetings of GCSHP. SSHP is involved in Poison Prevention Week and hosts an annual social event known as the mentoring social as well as an annual event called the career forum. The society also supports the national clinical skills competition and holds a school competition each September. The membership fee includes a subscription to the bimonthly American Journal of Health-System Pharmacists, TSHP monthly newsletter, ASHP newsletter, GCSAHP newsletter, and first-hand access to residency information. Scholarships also are available.

Vietnamese American Pharmacy Student Society (VAPSS): The mission of VAPAT-VAPSS is to encourage all Vietnamese-American pharmacy students to participate and become well-informed in all aspects of the pharmacy profession.

Fraternities

Kappa Epsilon (KE): KE is a co-ed professional pharmacy fraternity, whose mission is to empower its members to achieve personal and professional fulfillment. The fraternity was founded in 1921 and the UH chapter, Upsilon, was formed in 1953. KE supports breast cancer awareness through various events such as Awareness Week, and the Susan G. Komen Fun Run. KE also serves the community through activities at the Ronald McDonald House and Texas Children's Hospital. Active members meet twice monthly and plan at least one activity per month. There is a relaxed pledge period. First year membership fee, which includes a pin and subscription to the Bond magazine.

Kappa Psi (KY): Kappa Psi is a co-ed pharmaceutical fraternity. It is the world's oldest and largest pharmaceutical fraternity, founded in 1879. The Delta Delta chapter at UH was chartered in 1963. The goals of the fraternity are to develop fellowship, industry, and sobriety and to foster high ideals, scholarship, and pharmaceutical research. Members are instilled with a strong sense of brotherhood and help each other out with both studies and fun. Past activities include helping with Habitat for Humanity, Star of Hope, and the Children's Museum. Social activities include Regional and National conventions, a Spring Formal, Senior Banquet, pool-side BBQs, and more. Pledging is a 10-week process and has a membership fee per semester. This includes your initiation fees, T-shirt, and a subscription to the MASK magazine. Pledge meetings are held weekly, and Active meetings are held bi-monthly.

Phi Delta Chi (PDC): Phi Delta Chi was chartered in 1883. UH obtained its charter in 1953. The PDC Alpha Tau Chapter at UH is a co-ed fraternity of professional men and women who are striving for success as future pharmacists by becoming involved in national, state, and local activities. PDC offers its members a strong brotherhood of friendship and support as well as instilling values of leadership and community involvement. In addition to professional and academic support, PDC also organizes social events on weekends to help relieve the stress and pressures of pharmacy school. It takes one semester to pledge and meetings are held once a week for about an hour. There is an annual membership fee, which includes a subscription to Communicator magazine, pledge shirt and pin.

Honor Societies

Phi Lambda Sigma (PLS): The Upsilon Chapter of Phi Lambda Sigma at the University of Houston was chartered in 1988. The purpose of Phi Lambda Sigma is to promote the development of leadership qualities in pharmacy, especially amongst pharmacy students. Since membership crosses fraternal and organizational lines, the Society does not compete with other pharmacy organizations. Rather, Phi Lambda Sigma recognizes and promotes leadership. At the Upsilon Chapter, we strive to improve the quality of our leaders in pharmacy school so that they may acquire the skills needed to be an effective pharmacist and an active future leader in the profession of pharmacy. Eligible students for membership must submit an application demonstrating their dedication, service, and leadership in the profession of pharmacy. There is a one-time initiation fee and an annual membership fee.

Rho Chi: The Rho Chi Society is the honorary organization for the profession of pharmacy. The Beta Omicron chapter of UH was established in 1956. Membership is by invitation and is based on high academic achievement in the professional curriculum. Eligible members are invited to join after their fourth semester. Additional members may be added in the sixth and eighth semesters. Up to 20 percent of each graduating class may be invited to join. Members sponsor an initiation banquet for new members as well as the Teaching Excellence Award to recognize and honor outstanding pharmacy instructors. Society members also help recruit academic merit scholars. There is a one-time initiation fee.

Student-Run Clinic



HOMES: Houston Outreach Medicine, Education, and Social Services (H.O.M.E.S.) is a multiinstitutional, multi-discipline student-run free clinic program for Houston's homeless. HOMES is an innovative and exciting new program in which the major higher educational institutions of Houston collaborate with community organizations to provide quality, accessible health care and social services to the homeless, as well as provide a unique learning experience for students from a variety of different disciplines. More than 200 students from Baylor College of Medicine, The University of Texas Health Science Center at Houston, as well as from the UH College of Pharmacy work together. HOMES is also an integral part of the groundbreaking community organization - Healthcare for the Homeless-Houston, a unique, strategic alliance of healthcare providers and community-based agencies dedicated to improving the health of Houston-area homeless people.

Graduates and Alumni in Pharmacy Administration (GPA)

Mission

GPA is an organization of the Students and Alumni of the Department of Pharmacy Practice and Translational Research at University of Houston, College of Pharmacy. Our aim is to bring together the students and alumni of the pharmacy administration graduate program in order to engage in various academic, research, professional, and extra-curricular activities and projects.

When it founded: 2001

Membership fees:

\$35 for new members

\$20 for past/already existing members

ISPOR - UH Student Chapter

Mission Statement:

The University of Houston International Society for Pharmacoeconomics and Outcomes Research Student Chapter (UH-ISPOR) is dedicated to

- provide an environment where students can share knowledge in Pharmacoeconomics and health outcome research.
- represent students need and wants in regard to pharmacoeconomics and health outcome research.
- promote interest and awareness about pharmacoeconomics and health outcome research to various disciplines across University of Houston
- increase student's knowledge about pharmacoeconomics and health outcome from a global prospective.
- Act as a resource for new students interested in pharmacoeconomics and health outcome research
- Provide an opportunity for student chapter members to become familiar with the ISPOR as well as have representation in its affairs.

When it founded: 2002

***Members of the GPA automatically become members of ISPOR-UH Student Chapter**



College of Pharmacy

The College of Pharmacy, established in 1947, prepares students to enter into the practice of pharmacy and to function as professionals and informed citizens in a changing healthcare system and to assume important roles as drug information specialists and primary care providers.

Master of Science

Pharmacy Leadership and Administration, MS

College of Pharmacy > Pharmacy Leadership and Administration, MS

Taking full advantage of the resources of the world's largest medical center, Texas Medical Center, the 24-month Houston Program with MS in Pharmacy Leadership and Administration offers unique learning, teaching and collaboration opportunities to train the next generation of pharmacy leaders.

The University of Houston College of Pharmacy offers a Master of Science in Pharmacy Leadership and Administration, with PGY1 and PGY2 Health-System Pharmacy Administration (HSPA) residency programs from seven leading Texas Medical Center institutions.

Texas Medical Center institutions with HSPA residencies participating in the Houston Program:

- Baylor St. Luke's Medical Center
- Harris Health System
- Houston Methodist Hospital
- Memorial Hermann Health System
- Michael E. DeBakey Veterans Affairs Medical Center
- Texas Children's Hospital
- The University of Texas-MD Anderson Cancer Center

For more information, please visit the Pharmacy Leadership and Administration website.

Admission Requirements

Applicants must have a PharmD and a license to practice pharmacy in the U.S. Applicants apply for PGY1/PGY2 residency via the PhORCAS application and enroll in ASHP Residency Matching process, then apply to the MS Pharmacy Leadership and Administration degree program at the University of Houston College of Pharmacy. For all applicants, and especially for applicants from outside of the Houston area, we provide a coordinated interview schedule in order to optimize candidates' time and learn more about the Houston Program, the Texas Medical Center, and the city of Houston. Letters of recommendation, transcripts, CV, and personal statement are required, but not the Graduate Record Examination.

See the application website for all of the details.

Degree Requirements

Credit hours required for this degree: 36.0

The MS program is offered by the Department of Pharmacy Practice and Translational Research (PPTR). The curriculum focuses on Pharmacy Leadership and Administration in Health-System Pharmacies. The student must complete a minimum of 36 credit hours (Cr Hr) for the MS



degree including a major thesis/project. In accordance with the University of Houston guidelines, the department may approve a maximum of 9 Cr Hr of transfer credits from another institution.

Required Coursework

13 Credit Hours

- PHLA 6100 - Leadership Seminar **Credit Hours: 1** (Taken 4 times)
- PHLA 6221 - Advanced Health System Management **Credit Hours: 2**
- PHLA 7320 - Capstone **Credit Hours: 3**
- PHCA 7199 - Master Thesis **Credit Hours: 1** (Taken 3 times)

Prescribes Electives

20 Credit Hours

- ACCT 6331 - Financial Accounting **Credit Hours: 3.0**
- PHCA 6198 - Special Problems **Credit Hours: 1.0** (Taken 2 times)
Topics:
 - Leadership Concepts I
 - Leadership Transitions
- PHCA 6298 - Special Problems **Credit Hours: 2.0** (Taken 3 times)
Topics:
 - Outcomes Research
 - EBM
 - Leadership Concepts II
- PHCA 7306 - Pharmaceutical Health Outcomes and Quality **Credit Hours: 3**
- PHCA 7308 - Biostatistics and Experimental Design **Credit Hours: 3.0**
- PHLA 6213 - Workforce Competency **Credit Hours: 2**

Open Elective

3 Credit Hours

Elective can be selected from any available options for the student.

Suggested Degree Plan

Fall I

- PHCA 6298 - Special Problems **Credit Hours: 2.0**
Topic: Outcomes Research
- PHCA 7308 - Biostatistics and Experimental Design **Credit Hours: 3.0**
- PHLA 6100 - Leadership Seminar **Credit Hours: 1**
- ACCT 6331 - Financial Accounting **Credit Hours: 3.0**
- PHLA 6221 - Advanced Health System Management **Credit Hours: 2**



Spring I

PHCA 6198 - Special Problems **Credit Hours: 1.0**

Topic: Leadership Concepts I

PHCA 6298 - Special Problems **Credit Hours: 2.0**

Topic: EBM

PHCA 7199 - Master Thesis **Credit Hours: 1**

PHLA 6100 - Leadership Seminar **Credit Hours: 1**

PHCA 6306

Summer I

PHLA 7320 - Capstone **Credit Hours: 3**

Fall II

PHLA 6100 - Leadership Seminar **Credit Hours: 1**

PHCA 6298 - Special Problems **Credit Hours: 2.0**

Topic: Leadership Concepts II

PHCA 7199 - Master Thesis **Credit Hours: 1**

Elective **Credit Hours: 3.0**

Spring II

PHLA 6100 - Leadership Seminar **Credit Hours: 1**

PHLA 6213 - Workforce Competency **Credit Hours: 2**

PHCA 7199 - Master Thesis **Credit Hours: 1**

PHCA 6198 - Special Problems **Credit Hours: 1.0**

Topic: Leadership Transitions

Academic Policies

University of Houston Academic Policies

Academic Policies: College of Pharmacy

Department/Program Academic Policies

Every graduate student must maintain a 'B' average or 3.00 GPA throughout the MS program curriculum. Failure to do so will automatically place the student on probation for the following semester. Once on probation, the student has one semester (Fall or Spring) to improve their grades. If the student is not able to improve their performance and if their GPA is still below 3.00 the student may have to withdraw from the program. Students who have their GPA below 3.00, but have shown dramatic improvement in course grades, may petition for an extension to the MS Program Advisory Committee.

Graduate students are allowed only 2 'C' grades throughout the MS program. Students will be automatically put on probation upon receipt of their second 'C' grade and will be withdrawn from the program upon receipt of their third 'C' grade.

In addition, the student will be automatically put on probation if they receive a grade below a 'C' in any one course. Individuals who receive a grade below 'C' have one semester to improve their grades. Students who are on probation and who show dramatic improvement in course grades may petition for an extension to the MS Program Advisory Committee.



Additionally, students receiving a grade below 'C' in any core course is required to repeat the course during its next offering. In addition, a student with a D, F, or I as the most recent grade in a graduate level course for a degree plan will not be eligible for graduation.
Master of Science in Pharmacy Leadership and Administration: Graduate Student Policies and Procedures Handbook

Doctor of Philosophy

Pharmaceutical Sciences, PhD

The Pharmaceutical Sciences doctoral degree program at the University of Houston College of Pharmacy offers a learning and research environment that combines the collaborative opportunities of the Texas Medical Center's world-class healthcare and scientific community with the academic resources and award-winning faculty at Houston's only Carnegie Institute-designated Tier One public research university.

Pharmaceutical Sciences research emphases in the pharmaceuticals area include drug formulation and delivery; drug absorption, metabolism, elimination, and toxicity; and pharmacokinetics and pharmacodynamics of anti-cancer, anti-AIDS and anti-microbial drugs.

For more information, please visit the Pharmacological & Pharmaceutical Sciences webpage: <https://uh.edu/pharmacy/about-us/academic-depts/pps/>.

Admission Requirements

Applicants to the Pharmaceutical Health Outcomes and Policy PhD program must have either completed or expect to complete a BS degree in a similar area with an overall GPA of 3.0 on a 4-point scale. Applicants with a pharmacy background and/or advanced training will be given preference, and prospective students with health care-related backgrounds and/or experience are encouraged to apply. A GRE score is required to apply for the PhD program, and will be considered holistically with the student's other credentials. International applicants have additional documentation and/or test score submission requirements, which can be viewed on the International Graduate Students page.

For more information, please visit the Admissions for PhD Programs webpage: <http://www.uh.edu/pharmacy/prospective-students/graduate-programs/phd-graduate-admissions/>.

Degree Requirements

Credit hours required for this degree: 75.0

Pharmaceutical Health Outcomes and Policy (PHOP) Concentration

Pharmaceutical Health Outcomes and Policy consists of pharmaceutical practice and policy research, a multidisciplinary field that examines cost, access, and quality of pharmaceutical care from clinical, socio-behavioral, economic, organizational and technological perspectives. Traditional and innovative areas of pharmaceutical health outcomes research include pharmacoepidemiology, pharmacoconomics, comparative effectiveness research, patient-centered outcomes research, and translational research.

Required Didactic Courses

PHCA 7305 - Social and Behavioral Determinants and Theory in Pharmaceutical Health Outcomes **Credit Hours: 3**

PHCA 7306 - Pharmaceutical Health Outcomes and Quality **Credit Hours: 3**

PHCA 7320 - Intro to Health Care Systems and Policy **Credit Hours: 3**

PHCA 7307 - Epidemiologic Methods and Research Design **Credit Hours: 3**

PHCA 7316 - Pharmacoepidemiology **Credit Hours: 3.0**



PHCA 7330 - Advanced Pharmacoeconomics **Credit Hours: 3**
PHCA 7340 - Data Analytics for PHOP **Credit Hours: 3**
PHCA 7308 - Biostatistics and Experimental Design **Credit Hours: 3.0**
PHCA 7301 - Advanced Regression Analysis Methods **Credit Hours: 3.0**

Seminars

PHCA 6180 - Seminar in Pharmaceutical Health Outcomes and Policy **Credit Hours: 1.0**
PHCA 6181 - Seminar in Pharmaceutical Health Outcomes and Policy **Credit Hours: 1.0**
PHCA 7180 - Seminar in Pharmaceutical Health Outcomes and Policy **Credit Hours: 1.0**
PHCA 7181 - Seminar Pharm Administration **Credit Hours: 1.0**
PHCA 8180 - Advanced Seminar in Pharmaceutical Health Outcomes and Policy **Credit Hours: 1.0**
PHCA 8181 - Advanced Seminar in Pharmaceutical Health Outcomes and Policy **Credit Hours: 1.0**

Doctoral Research

Total Credit Hours: 23.0

PHCA 8198 - Doctoral Dissertation Research **Credit Hours: 1**
PHCA 8298 - Doctoral Dissertation Research **Credit Hours: 2**
PHCA 8398 - Doctoral Dissertation Research **Credit Hours: 3**
PHCA 8698 - Doctoral Dissertation Research **Credit Hours: 6**

Doctoral Dissertation

PHCA 8199 - Doctoral Dissertation Defense **Credit Hours: 1**

Electives

Electives **Credit Hours: 18.0**

Pharmaceutics Concentration

Pharmaceutics emphasizes the development of novel drug delivery methods, drug absorption, metabolism and formulations. Early course work provides a solid foundation in pharmaceutics, pharmacokinetics, physical pharmacy, dosage formulation and delivery systems. Areas of research interest include oral dosage formulations, transdermal and liposomal drug delivery, therapeutic DNA delivery, absorption and metabolism, and pharmacokinetics. Students in the Pharmaceutics concentration develop research programs in the areas of drug delivery systems, drug stability, dosage forms and pharmacokinetics.

Required Didactic Courses

PCEU 6341 - Advanced Pharmacokinetics **Credit Hours: 3.0**
PCEU 6198 - Special Problems **Credit Hours: 1.0**
PHCA 7308 - Biostatistics and Experimental Design **Credit Hours: 3.0**
PCEU 6342 - Advanced Pharmaceutics I **Credit Hours: 3.0**
BIOL 6120 - Responsible Conduct of Biological Research **Credit Hours: 1.0**
PCEU 6345 - Advanced Pharmaceutics II **Credit Hours: 3.0**



PCEU 7355 - Regulatory Affairs **Credit Hours: 3.0**
PCOL 7370 - Scientific Writing **Credit Hours: 3.0**
PCEU 7340 - Advanced Drug Delivery **Credit Hours: 3.0**

Seminars

PCEU 6180 - Pharmaceutics Seminar **Credit Hours: 1.0**
PCEU 6181 - Pharmaceutics Seminar **Credit Hours: 1.0**
PCEU 7180 - Pharmaceutics Seminar **Credit Hours: 1.0**
PCEU 7181 - Pharmaceutics Seminar **Credit Hours: 1.0**

Pharmaceutics Literary Review

PCEU 6142 - Pharmaceutic Literature Review **Credit Hours: 1.0**
PCEU 7142 - Pharmaceutic Literature Review **Credit Hours: 1.0**

Special Problems

Total Credit Hours: 20.0

PCEU 6198 - Special Problems **Credit Hours: 1.0**
PCEU 6298 - Special Problems **Credit Hours: 2.0**
PCEU 6398 - Special Problems **Credit Hours: 3.0**
PCEU 6498 - Special Problems **Credit Hours: 4.0**
PCEU 6698 - Special Problems **Credit Hours: 6.0**

Doctoral Research

Total Credit Hours: 15.0

PCEU 8198 - Doctoral Research **Credit Hours: 1.0**
PCEU 8298 - Doctoral Research **Credit Hours: 2.0**
PCEU 8398 - Doctoral Research **Credit Hours: 3.0**
PCEU 8498 - Doctoral Research **Credit Hours: 4.0**
PCEU 8698 - Doctoral Research **Credit Hours: 6.0**
PCEU 8998 - Doctoral Research **Credit Hours: 9.0**

Doctoral Dissertation

PCEU 8399 - Doctoral Dissertation **Credit Hours: 3**

Electives

Electives **Credit Hours: 6.0**

Pharmacology Concentration



Pharmacology emphasizes molecular and cellular aspects of pharmacological research to understand function at the cellular, organ and whole-body level. Areas of research emphasis in the department include cardiovascular/renal pharmacology, cellular signaling and transport, traditional medicine and natural products, cancer biology, skeletal muscle development and neuropharmacology. Students in the Pharmacology concentration may develop research programs in the areas of renal, autonomic, central nervous system, cardiovascular pharmacology, signal transduction, cellular physiology of exercise and aging, protein biochemistry or medicinal chemistry of natural products.

Required Didactic Courses

- PCOL 6370 - Advanced Pharmacology I **Credit Hours: 3.0**
- PCOL 6371 - Advanced Pharmacology II **Credit Hours: 3.0**
- PCOL 7370 - Scientific Writing **Credit Hours: 3.0**
- PCOL 6462 - Cardiovasc. Renal Pharmacology **Credit Hours: 4.0**
- PCOL 7362 - Neuropharmacology **Credit Hours: 3.0**
- PCOL 7350 - Cellular Pharmacology I **Credit Hours: 3.0**
- BIOL 6120 - Responsible Conduct of Biological Research **Credit Hours: 1.0**
- PHCA 7308 - Biostatistics and Experimental Design **Credit Hours: 3.0**
- PCOL 7333 - Molecular Pharmacology **Credit Hours: 3.0**

Seminars

- PCOL 6180 - Pharmacology Seminar **Credit Hours: 1.0**
- PCOL 6181 - Pharmacology Seminar **Credit Hours: 1.0**
- PCOL 7180 - Pharmacology Seminar **Credit Hours: 1.0**
- PCOL 7181 - Pharmacology Seminar **Credit Hours: 1.0**

Pharmacological Literary Review

- PCOL 6141 - Pharmacological Liter. Review **Credit Hours: 1.0**
- PCOL 6142 - Pharmacological Liter. Review **Credit Hours: 1.0**
- PCOL 7141 - Pharmacological Liter. Review **Credit Hours: 1.0**
- PCOL 7142 - Pharmacological Lit Review **Credit Hours: 1.0**

Special Problems

Total Credit Hours: 20.0

- PCOL 6198 - Special Problems **Credit Hours: 1.0**
- PCOL 6298 - Special Problems **Credit Hours: 2.0**
- PCOL 6398 - Special Problems **Credit Hours: 3.0**
- PCOL 6498 - Special Problems **Credit Hours: 4.0**

Doctoral Research

Total Credit Hours: 15.0

- PCOL 8198 - Doctoral Research **Credit Hours: 1.0**
- PCOL 8298 - Doctoral Research **Credit Hours: 2.0**
- PCOL 8398 - Doctoral Research **Credit Hours: 3.0**



PCOL 8498 - Doctoral Research **Credit Hours: 4.0**

PCOL 8698 - Doctoral Research **Credit Hours: 6.0**

PCOL 8998 - Doctoral Research **Credit Hours: 9.0**

Doctoral Dissertation

Total Credit Hours: 3.0

PCOL 8199 - Dissertation **Credit Hours: 1**

PCOL 8399 - Doctoral Dissertation **Credit Hours: 3**

Electives

Total Credit Hours: 3.0

Academic Policies

University of Houston Academic Policies

Academic Policies: College of Pharmacy

Department/Program Academic Policies

PhD Programs Student Handbook

Medicinal Chemistry, Pharmaceutics and Pharmacology Concentrations Policies

Pharmaceutical Health Outcomes and Policy Concentration Policies

A minimum cumulative grade point average of at least 3.00 (A=4.00) must be maintained in all graduate level courses required for the PhD degree in order to obtain an advanced degree from the College of Pharmacy. Graduate-level courses are defined as all courses required for the PhD degree as defined either by the department and/or dissertation committee. Graduate students are allowed only two 'C' grades throughout the PhD program. Students will be automatically put on probation upon receipt of their second 'C' grade and will be withdrawn from the program upon receipt of their third 'C' grade. Additionally, students receiving a grade below 'C' in any core course are required to repeat the course during its next offering. A student with a D, F, or I as the most recent grade in a graduate level course for a degree plan will not be eligible for graduation.

Pharmaceutical Sciences, PhD and Pharmaceutical Sciences/Medicinal Chemistry Specialization, PhD

Pharmaceutical Sciences is the study of the mechanisms of action of drugs and their effects on normal and disease states. It is a science based upon integrating chemistry, biochemistry, cell and molecular biology and physiology. Students in the Pharmaceutical Sciences program may develop research projects in the areas of renal physiology, autonomic and central nervous systems, cardiovascular pharmacology, signal transduction, cellular physiology of exercise and aging, or protein biochemistry. Graduates pursue careers in academia, government, and the pharmaceutical industry.

Students may also study for a concentration in Medicinal Chemistry in the areas of:

virtual drug screening and design;

high throughput screening and drug syntheses;

characterization of drug targets and developing of novel therapeutic interventions; or



therapeutic natural product screening and identification.

For more information, please visit the Pharmaceutical Science, Pharmaceutical Science/Medicinal Chemistry and Pharmaceutics program website: <http://www.uh.edu/pharmacy/prospective-students/graduate-programs/pharmacology-and-pharmaceutics/>.

Admission Requirements

Applicants must have at least a Bachelor's degree in pharmacy, biology, biochemistry, chemistry or related discipline from either an accredited academic or professional institution comparable to the Bachelor of Science degree awarded at the University of Houston. For the Pharmaceutical Sciences program, previous undergraduate courses in physiology and biochemistry are required. Applicants must submit satisfactory scores on the general aptitude portion (verbal, quantitative and analytical writing) of the Graduate Record Examination (GRE) and have a minimum 3.0 (A = 4.0) grade point average on all work attempted, graduate and undergraduate, beginning with the term in which the student took the first of the 60 most recently earned term hours. GRE scores are evaluated as one criterion in the total graduate application, along with GPA, research experience and three letters of recommendation. In person or online interviews will be done with selected applicants. A test for English proficiency (TOEFL or IELTS) is required for international applicants, according to the University Houston requirements.

For more information, please visit the Admissions for PhD Programs webpage: <http://www.uh.edu/pharmacy/prospective-students/graduate-programs/phd-graduate-admissions/>.

Degree Requirements

Credit hours required for this degree: 75.0

The student must complete a minimum of 75 credit hours for the PhD degree, including 38 credit hours of research and a minimum of 37 credit hours of graduate or doctoral degree courses approved by the departmental faculty. Before achieving full doctoral degree candidacy, the student must progress through a two-step qualifying process. The student must:

take a written examination that addresses the student's knowledge in the area of his/her dissertation research, and prepare a proposal defining his/her dissertation project, and conduct an oral defense of it.

Each student must write a dissertation and successfully defend it orally before the dissertation committee and the departmental faculty. This oral defense examination emphasizes the student's dissertation but also covers general knowledge in the field of specialty.

Required Didactic Courses, Pharmaceutical Sciences

PCOL 6370 - Advanced Pharmacology I **Credit Hours: 3.0**
PCOL 6371 - Advanced Pharmacology II **Credit Hours: 3.0**
PCOL 7370 - Scientific Writing **Credit Hours: 3.0**
PCOL 6462 - Cardiovasc. Renal Pharmacology **Credit Hours: 4.0**
PCOL 7362 - Neuropharmacology **Credit Hours: 3.0**
PCOL 7350 - Cellular Pharmacology I **Credit Hours: 3.0**
PCOL 6180 - Pharmacology Seminar **Credit Hours: 1.0**
PCOL 6181 - Pharmacology Seminar **Credit Hours: 1.0**
PCOL 7180 - Pharmacology Seminar **Credit Hours: 1.0**
PCOL 7181 - Pharmacology Seminar **Credit Hours: 1.0**
PCOL 6141 - Pharmacological Liter. Review **Credit Hours: 1.0**
PCOL 6142 - Pharmacological Liter. Review **Credit Hours: 1.0**
PCOL 7141 - Pharmacological Liter. Review **Credit Hours: 1.0**
PCOL 7142 - Pharmacological Lit Review **Credit Hours: 1.0**
PCOL 7333 - Molecular Pharmacology **Credit Hours: 3.0**



PHCA 7308 - Biostatistics and Experimental Design **Credit Hours: 3.0**
Electives **Credit Hours: 3.0**

Required Didactic Courses, Pharmaceutical Sciences with Medicinal Chemistry Specialization

PCEU 6341 - Advanced Pharmacokinetics **Credit Hours: 3.0**
PCEU 6198 - Special Problems **Credit Hours: 1.0**
PCOL 7370 - Scientific Writing **Credit Hours: 3.0**
PCOL 7350 - Cellular Pharmacology I **Credit Hours: 3.0**
PCOL 6180 - Pharmacology Seminar **Credit Hours: 1.0**
PCOL 6181 - Pharmacology Seminar **Credit Hours: 1.0**
PCOL 7180 - Pharmacology Seminar **Credit Hours: 1.0**
PCOL 7181 - Pharmacology Seminar **Credit Hours: 1.0**
PCOL 6141 - Pharmacological Liter. Review **Credit Hours: 1.0**
PCOL 6142 - Pharmacological Liter. Review **Credit Hours: 1.0**
PCOL 7141 - Pharmacological Liter. Review **Credit Hours: 1.0**
PCOL 7142 - Pharmacological Lit Review **Credit Hours: 1.0**
PCOL 7333 - Molecular Pharmacology **Credit Hours: 3.0**
PHCA 7308 - Biostatistics and Experimental Design **Credit Hours: 3.0**
PCOL 6340 - Medicinal Chemistry 2 **Credit Hours: 3.0**
PCOL 7360 - Current Topics in Medicinal Chemistry **Credit Hours: 3.0**
PCOL 6345 - Drug Design and Discovery **Credit Hours: 3.0**
Electives **Credit Hours: 3.0**

Elective Courses

Below are listed courses that are often taken as electives, however there are numerous others available at the University of Houston and at Texas Medical Center Institutions.

PCEU 7340 - Advanced Drug Delivery **Credit Hours: 3.0**
PCEU 7355 - Regulatory Affairs **Credit Hours: 3.0**
PCEU 6341 - Advanced Pharmacokinetics **Credit Hours: 3.0**
PCEU 6342 - Advanced Pharmaceutics I **Credit Hours: 3.0**
PCEU 6345 - Advanced Pharmaceutics II **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies
Academic Policies: College of Pharmacy

Department/Program Academic Policies

PhD Programs Student Handbook

GRADUATE STUDENT HANDBOOK DOCTORAL DEGREE PROGRAMS: ACADEMIC POLICIES AND PROCEDURES

A minimum cumulative grade point average of at least 3.00 (A=4.00) must be maintained in all graduate level courses required for the PhD degree in order to obtain an advanced degree from the College of Pharmacy. Graduate-level courses are defined as all courses required for the PhD degree as defined either by the department and/or dissertation committee. Graduate students are allowed only two 'C' grades throughout the PhD program. Students will be automatically put on probation upon receipt of their second 'C' grade and will be withdrawn



from the program upon receipt of their third 'C' grade. Additionally, students receiving a grade below 'C' in any core course are required to repeat the course during its next offering. A student with a D, F, or I as the most recent grade in a graduate level course for a degree plan will not be eligible for graduation.

Doctor of Pharmacy

Pharmacy, PharmD

Today's pharmacists don't simply count pills - they're actively involved in the creation, evaluation and delivery of complex pharmaceuticals and therapeutics that enhance patient health.

UH College of Pharmacy's Doctorate of Pharmacy (PharmD) program is a four-year professional program that prepares individuals for a variety of areas within the pharmacy profession.

In collaboration with its fellow Texas Medical Center institutions and elsewhere, the college offers a range of clinical research opportunities and practice experiences (APPEs) in oncology, infectious disease, pediatrics, women's health, critical care, neurology, nuclear pharmacy and veterinary pharmacy.

UH PharmD students also can pursue a variety of unique in-state and out-of-state experiential opportunities, including the FDA, CDC, Indian Health Service in Alaska and New Mexico.

Our alumni are successful business owners, executives in highly ranked health systems and corporate operations, and leaders in professional organizations at the national, state and local level.

Our full-time and adjunct faculty include nationally recognized teachers and clinicians, published authors in high-impact journals, holders of U.S. and international patents, and basic and translational researchers supported by grants from such prestigious entities as the National Institutes of Health.

Our student body includes several national and regional officers of professional organizations, as well as individual and chapter award winners in national organizations and pharmacy fraternities.

The college also offers the combined PharmD/PhD in Pharmacology or Pharmaceutics and PharmD/MBA degree programs; post-graduate fellowship and residency programs in such areas as academia, infectious diseases pharmacotherapy, HIV pharmacogenetics/ambulatory care and community pharmacy; and the Pharmacy Leadership and Administration concurrent two-year MS/PGY1-PGY2 program in collaboration with seven fellow Texas Medical Center institutions.

To view detailed information about our admission requirements, go to our PharmCAS schoolpage.

To download/view PharmD program flier and course of study, please click here.

To download/view ACPE PharmD Program Quality Indicators, please click here.

The University of Houston College of Pharmacy's Doctor of Pharmacy program is accredited by the Accreditation Council for Pharmacy Education, 20 North Clark Street, Suite 2500, Chicago, IL 60602-5109, 312/664-3575; FAX 312/664-4652.

For more information, please visit <http://www.uh.edu/pharmacy/prospective-students/pharmd/>.

Admission Requirements

All prospective PharmD program applicants are encouraged to review the PharmD Prerequisites (.pdf).

High School Student

Undergraduate Transfer Student



For thorough information about our admission requirements, go to our PharmCAS schoolpage. The PharmCAS schoolpages are helpful to easily compare our admission requirements against those of other PharmD programs.

There are four basic admission requirements for the PharmD program:

Complete the required PharmD prerequisite courses

All PharmD prerequisite courses are necessary for admission to the College of Pharmacy. The UHCOP Admissions Committee will look at an applicant's overall prerequisite GPA, which includes all of the courses on the list. Applicants must receive no less than a "C" (2.0) in all prerequisite courses in order to be considered for admittance.

In addition, the math and science courses from our prerequisite list are averaged, and this number becomes the student's math and science GPA. Both the prerequisite GPA and math/science GPA are extremely important for the student's application. Students should plan their course schedule such that they complete the math and science prerequisites no later than the spring semester prior to entry into the program. No math and science courses may be taken the summer prior to beginning the PharmD curriculum. The Admissions Committee must have the math/science GPA to consider for admittance. Non-math/science courses may be taken that summer, however.

Although most students take between 2-3 years to complete the prerequisite courses, the math and science prerequisites must have been taken within the last five years for a student to be competitive in this area.

Other information concerning prerequisites:

Grades of repeated courses are averaged;

Although there is no minimum prerequisite GPA, it is preferred that applicants have a 2.50 or higher in their prerequisite and math/science prerequisite GPAs.

The average prerequisite GPA for the 2018 entering pharmacy class was 3.51.

The average math/science prerequisite GPA for the 2018 entering pharmacy class was 3.41.

Take the PCAT exam

The Pharmacy College Admissions Test (PCAT) is a required exam for admission to UH College of Pharmacy. Students should take the PCAT during September of the year before they want to start pharmacy school or earlier and have PCAT send their scores directly to PharmCAS.

For the 2019 application cycle, the **February 2019 PCAT** will be the most recent PCAT scores that will be accepted by the UH College of Pharmacy.

There is no minimum PCAT score, although a composite score of 50% or better is preferred. In addition, it is recommended that students score in the 60% or above range in the science subtests of the PCAT (i.e. Biological Processes, Chemical Processes, Quantitative Reasoning). The average composite PCAT score for the 2018 entering PharmD class was 75%.

Obtain three letters of reference

The college requires that students submit 3 letters of reference with their application to PharmCAS:

It is recommended that letters come from the following sources:

licensed pharmacist practicing or having practiced in the U.S.

college professor

employer

supervisor

teaching assistant

pre-health advisor

faculty advisor

Letters of reference from the following source may be conditionally accepted:



health care professional

Letters of reference from family or friends are NOT accepted.

We require that the reference fill out the letter of reference forms through PharmCAS. The person may submit an attached letter if he/she chooses.

Participate in community service

Volunteer/community service is required for all applicants to the program.

Degree Requirements

Credit hours required for degree: 212.0

Degree Plan

Note: The following degree plan applies to students entering the Professional Pharmacy Program (PharmD) between Fall 2015 and Fall 2017.

The curriculum for the Doctor of Pharmacy degree includes a minimum of 212 credit hours of college work, 140 credit hours of which must be pharmacy courses or the equivalent. Students with course credit for non-pharmacy courses or pharmacy courses from another college/school of pharmacy similar to those courses in the professional program may be petitioned for equivalency credit. The degree plan for the PharmD program is shown below under the Pharmacy Course of Study.

Electives

Students must complete six hours (a minimum of three elective courses) in pharmacy elective courses. Three of the six pharmacy elective hours may be satisfied by completion of a Selected Topics course (PHAR 5198, 5298, 5398). Any student may participate in a Selected Topics course if he/she is in good academic standing in the College and have approval of a faculty member who will supervise his/her work. Approval is gained through completion of the General Petition form.

To participate in a Selected Topics course, the student must submit a proposal of the work that will be undertaken in this course to the faculty member at the start of the course and must submit a report at the end of the course indicating their accomplishments in the course. Copies of these reports will be placed in the student's academic files.

Credit Hours

Pharmacy students are required to comply with all changes in the curriculum made subsequent to the year in which they matriculated. Deletions and additions of courses will be of approximately equal credit, so that no student will have an overall appreciable increase of total credits required for graduation.

Hours in Residence

The college requires at least three years in residence in the professional program at the college of pharmacy for graduation. Students transferring from another school or college of pharmacy are required to complete at least 25% of the semester hours of pharmacy and related work in residence at the University of Houston.

For more Information



For more information, please consult the UHCOP PharmD Student Handbook (.pdf).

PharmD Curriculum for Classes Entering Prior to Fall 2017

First Year

Fall Term

14.0 Credit Hours

- PHAR 4150 - Pharmacy Skills I **Credit Hours: 1.0**
- PHAR 4172 - Pharmacy Calculations **Credit Hours: 1.0**
- PHAR 4270 - Pharmacy Practice I **Credit Hours: 2.0**
- PHAR 4320 - Physiology I **Credit Hours: 3.0**
- PHAR 4330 - Pharmaceutics I **Credit Hours: 3.0**
- PHAR 4400 - Cellular Life Sciences I **Credit Hours: 4.0**

Spring Term

17.0 Credit Hours

- PHAR 4134 - Medicinal Functional Group Analysis **Credit Hours: 1.0**
- PHAR 4251 - Pharmacy Skills Program II **Credit Hours: 2.0**
- PHAR 4260 - Pharmacy Management I **Credit Hours: 2.0**
- PHAR 4271 - Pharmacy Practice II **Credit Hours: 2.0**
- PHAR 4301 - Cellular Life Sciences II **Credit Hours: 3.0**
- PHAR 4331 - Pharmaceutics II **Credit Hours: 3.0**
- PHAR 4421 - Organ Systems Life Sciences II **Credit Hours: 4.0**

Second Year

Fall Term

14.0 Credit Hours

- PHAR 5254 - Intro Pharmacy Practice Experience I and Professional Development **Credit Hours: 2.0**
- PHAR 5261 - Pharmacy Management II **Credit Hours: 2.0**
- PHAR 5302 - Medicinal Chemistry I **Credit Hours: 3.0**
- PHAR 5332 - Pharmacokinetics **Credit Hours: 3.0**
- PHAR 5402 - Pharmacology I **Credit Hours: 4.0**

Spring Term

14.0 Credit Hours

- PHAR 5155 - Pharmacy Skills Program IV **Credit Hours: 1.0**
- PHAR 5203 - Medicinal Chemistry II **Credit Hours: 2.0**
- PHAR 5222 - Toxicology **Credit Hours: 2.0**



PHAR 5280 - Therapeutics I **Credit Hours: 2.0**
PHAR 5373 - Pharmacy Practice IV **Credit Hours: 3.0**
PHAR 5403 - Pharmacology II **Credit Hours: 4.0**

Summer Term - Required Electives (minimum of 3)

10.0 Credit Hours

Student selects from list of approved elective pharmacy courses. **Credit Hours: 6.0**
PHAR 5493 - Introductory Community Pharmacy **Credit Hours: 4.0**

Third Year

Fall Term

13.0 Credit Hours

PHAR 5256 - Pharmacy Skills Program V **Credit Hours: 2.0**
PHAR 5274 - Pharmacy Practice V **Credit Hours: 2.0**
PHAR 5480 - Physical Assessment/Anatomy **Credit Hours: 4.0**
PHAR 5581 - Therapeutics II **Credit Hours: 5.0**

Spring Term

15.0 Credit Hours

PHAR 5257 - IPPE II and Professional Development **Credit Hours: 2.0**
PHAR 5275 - Pharmacy Practice VI **Credit Hours: 2.0**
PHAR 5362 - Pharmacy Management III **Credit Hours: 3.0**
PHAR 5374 - Pharmacy Law & Ethics **Credit Hours: 3.0**
PHAR 5582 - Therapeutics III **Credit Hours: 5.0**

Summer Term

12.0 Credit Hours - Advanced Pharmacy Practice Experience

PHAR 5692 - Advanced Hospital Pharmacy **Credit Hours: 6.0**
PHAR 5693 - Advanced Community Pharmacy **Credit Hours: 6.0**

Fourth Year

Fall Term

18.0 or 19.0 Credit Hours - Advanced Pharmacy Practice Experience

PHAR 5690 - Internal Medicine **Credit Hours: 6.0**
PHAR 56XX - Advanced Pharmacy Practice Experience IV **Credit Hours: 6.0**
PHAR 56XX - Advanced Pharmacy Practice Experience V **Credit Hours: 6.0**



PHAR 5181 - Clinical Seminar **Credit Hours: 1.0** (taken only one semester)
Seminar offered in Fall and Spring semesters. Students are required to complete one semester.

Spring Term

12.0 or 13.0 Credit Hours - Advanced Pharmacy Practice Experience

PHAR 56XX - Advanced Pharmacy Practice Experience VI **Credit Hours: 6.0**

PHAR 56XX - Advanced Pharmacy Practice Experience VII **Credit Hours: 6.0**

PHAR 5181 - Clinical Seminar **Credit Hours: 1.0** (taken only one semester)
Seminar offered in Fall and Spring semesters. Students are required to complete one semester.

Curriculum for Classes Entering in Fall 2018 and Later

First Year

Fall Term

14.0 Credit Hours

PHAR 4150 - Pharmacy Skills I **Credit Hours: 1.0**
PHAR 4260 - Pharmacy Management I **Credit Hours: 2.0**
PHAR 4270 - Pharmacy Practice I **Credit Hours: 2.0**
PHAR 4300 - Biochemistry I **Credit Hours: 3.0**
PHAR 4320 - Physiology I **Credit Hours: 3.0**
PHAR 4330 - Pharmaceutics I **Credit Hours: 3.0**

Spring Term

17.0 Credit Hours

PHAR 4160 - Fundamentals of Community Pharmacy Practice **Credit Hours: 1.0**
PHAR 4200 - Immunology I **Credit Hours: 2.0**
PHAR 4221 - Physiology II **Credit Hours: 2.0**
PHAR 4251 - Pharmacy Skills Program II **Credit Hours: 2.0**
PHAR 4265 - Patient Assessment **Credit Hours: 2.0**
PHAR 4275 - Foundations in Medicinal Chemistry, Microbiology and Receptor Action **Credit Hours: 2.0**
PHAR 4331 - Pharmaceutics II **Credit Hours: 3.0**
PHAR 4340 - Non-Prescription Pharmacotherapy & Self Care **Credit Hours: 3.0**

Summer Term

6.0 Credit Hours

PHAR 5493 - Introductory Community Pharmacy **Credit Hours: 4.0**
PHAR 4280 - Medication/Patient Safety and Informatics **Credit Hours: 2.0**



Second Year

Fall Term

15.0 Credit Hours

- PHAR 5195 - Pharmacy Skills Program III **Credit Hours: 1.0**
- PHAR 5158 - Module Related Skills Lab I **Credit Hours: 1.0**
- PHAR 5111 - Leadership and Interprofessional Competence **Credit Hours: 1.0**
- PHAR 5224 - Integrated Renal Module **Credit Hours: 2.0**
- PHAR 5225 - Integrated Gastrointestinal Module **Credit Hours: 2.0**
- PHAR 5226 - Integrated Respiratory Module **Credit Hours: 2.0**
- PHAR 5325 - Literature Evaluation/Research Design/Statistics/Epidemiology **Credit Hours: 3.0**
- PHAR 5332 - Pharmacokinetics **Credit Hours: 3.0**

Spring Term

15.0 Credit Hours

- PHAR 5261 - Pharmacy Management II **Credit Hours: 2.0**
- PHAR 5228 - Integrated Men's and Women's Health Module **Credit Hours: 2.0**
- PHAR 5259 - Module Related Skills Lab II **Credit Hours: 2.0**
- PHAR 5327 - Integrated Endocrine Module **Credit Hours: 3.0**
- PHAR 5329 - Integrated Cardiovascular I Module **Credit Hours: 3.0**
- PHAR 5330 - Integrated Cardiovascular II Module **Credit Hours: 3.0**

Summer Term

6.0 Credit Hours

- PHAR 52XX - Elective **Credit Hours: 2.0**
- PHAR 5457 - Institutional Introductory Pharmacy Practice Experience **Credit Hours: 4.0**

Third Year

Fall Term

16.0 Credit Hours

- PHAR 5237 - Integrated Module-Imm/rheum/derm **Credit Hours: 2.0**
- PHAR 5263 - Module-related skills lab III **Credit Hours: 2.0**
- PHAR 5338 - Integrated Module-ID I **Credit Hours: 3.0**
- PHAR 5339 - Integrated Module-ID II **Credit Hours: 3.0**
- PHAR 5340 - Integrated Module-Heme/Onc **Credit Hours: 3.0**
- PHAR 5362 - Pharmacy Management III **Credit Hours: 3.0**

Spring Term



15.0 Credit Hours

PHAR 5161 - Module-related skills lab IV **Credit Hours: 1.0**

PHAR 5276 - Law 2 **Credit Hours: 2.0**

PHAR 5243 - Complex Problems **Credit Hours: 2.0**

PHAR 52XX - Elective **Credit Hours: 2.0**

PHAR 52XX - Elective **Credit Hours: 2.0**

PHAR 5341 - Integrated Module-Neuro **Credit Hours: 3.0**

PHAR 5342 - Integrated Module-Psych **Credit Hours: 3.0**

Summer Term

12.0 Credit Hours

PHAR 5692 - Advanced Hospital Pharmacy **Credit Hours: 6.0**

PHAR 5693 - Advanced Community Pharmacy **Credit Hours: 6.0**

Fourth Year

Fall Term

18.0 Credit Hours

PHAR 5690 - Internal Medicine **Credit Hours: 6.0**

PHAR 56XX - Advanced Pharmacy Practice Experience IV **Credit Hours: 6.0**

PHAR 56XX - Advanced Pharmacy Practice Experience V **Credit Hours: 6.0**

Spring Term

12.0 Credit Hours - Advanced Pharmacy Practice Experience

PHAR 56XX - Advanced Pharmacy Practice Experience VI **Credit Hours: 6.0**

PHAR 56XX - Advanced Pharmacy Practice Experience VII **Credit Hours: 6.0**

Academic Policies

University of Houston Academic Policies

Academic Policies: College of Pharmacy



Faculty: College of Pharmacy

Faculty Emeriti

Pharmacological and Pharmaceutical Sciences

Department of Pharmacy Practice and Translational Research

Pharmaceutical Health Outcomes & Policies



Faculty Emeriti

Kenneth L. Euler. Professor Emeritus of Medicinal Chemistry and Pharmacognosy. B.S., M.S., University of Pittsburgh; Ph.D., University of Washington.

Thomas L. Lemke. Professor Emeritus and Director of Assessment and Professor of Medicinal Chemistry. Registered Pharmacist. B.S., University of Wisconsin at Madison; Ph.D., University of Kansas.

Alfred J. Weinheimer. Professor Emeritus of Medicinal Chemistry and Pharmacognosy. B.S., M.S., Canisius College; Ph.D., Duke University.

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Pharmacological & Pharmaceutical Sciences

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Joseph Eichberg. Professor of Biology & Biochemistry (Joint).

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Department of Pharmacy Practice and Translational Research

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Nicholas Beyda. Assistant Professor of Pharmacy. B.S., Pharm.D., Auburn University.

Kimberly Birtcher. Clinical Professor of Pharmacy. B.S., M.S., University of Texas; Pharm.D., University of Florida.

Elizabeth Coyle. Clinical Professor of Pharmacy and Associate Dean for Academic Affairs. Pharm.D., University of Nebraska.

Austin De La Cruz. Clinical Assistant Professor. Pharm.D., Texas Tech University.

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Andrea Smesny. Clinical Associate Professor of Pharmacy and Executive Associate Dean. B.S., M.P.H., University of Texas School of Public Health; Pharm.D., University of Houston.

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Matthew Wanat. Clinical Assistant Professor of Pharmacy. Pharm.D., Northeastern Bouvé College of Health Sciences.



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Rajender Aparasu. Professor of Pharmaceutical Health Outcomes and Policy and Chair. B.Pharm., Kakatiya University; M.Pharm., Jadavpur University; Ph.D. in Pharmacy Administration, University of Louisiana at Monroe.

Susan M. Abughosh. Associate Professor of Pharmaceutical Health Outcomes and Policy. B.S. Pharmacy, University of Jordan College of Pharmacy; Ph.D., University of Rhode Island College of Pharmacy.

Hua Chen. Associate Professor of Pharmaceutical Health Outcomes and Policy. M.D., M.S., Hunan Medical University; Ph.D., University of Georgia College of Pharmacy.

E. James Essien. Professor of Pharmaceutical Health Outcomes and Policy; Director, Institute of Community Health. M.D., University of Calabar College of Medicine; M.P.H., Dr.P.H., University of Texas School of Public Health.

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Sujit S. Sansgiry. Professor of Pharmaceutical Health Outcomes and Policy. B.Pharm., Principal K. M. Kundnani College of Pharmacy, University of Bombay; M.S., Ph.D., Idaho State University College of Pharmacy.

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Public Affairs

Hobby School of Public Affairs

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(713) 743-3970

Executive Director: Dr. Jim Granato

Director of Graduates Studies: Dr. Alan Witt

www.uh.edu/hobby

The foundation of the Hobby School of Public Affairs is built upon interdisciplinary expertise and community visibility. The Hobby School offers a Master of Public Policy (MPP) degree as well as a joint MPP/MSW (Master of Social Work). The Hobby School's research component is found within the Center for Public Policy, including programs and initiatives such as

the Survey Research Institute,
the Concept Visualization Lab,
the EITM Summer Institute, and
the Civitas Project.

Public service and community engagement are also a vital component of the Hobby School as evidenced through Hobby Fellows, Leland Fellows, the Civic Houston Internship Program, the nationally-accredited Certified Public Manager program, the Civic Engagement Boot Camp, and various public events such as conferences, luncheons and volunteer projects.

Programs

Bachelor of Business Administration/Master of Public Policy

Accelerated BBA/Master of Public Policy

Accelerated pathway dual degree programs provide academically outstanding students an accelerated pathway to complete an undergraduate and a master's degree in a reduced period of time. Accelerated pathway programs provide undergraduate students permission to take a specified number of master's level courses as electives toward completion of their bachelor's degree. The students then apply to the graduate degree program, and if accepted, the previously completed graduate coursework during the senior year is counted as transfer credit toward the completion of the master's degree.

Admission Requirements

Students wishing to apply for the Bachelor of Business Administration/Master of Public Policy accelerated pathway program must complete an application to enter the program no later than the beginning of their final year of undergraduate study.

Applications are available on the advising website (www.bauer.uh.edu/undergraduate/advising) for Undergraduate Business Programs in the C.T. Bauer College of Business. To enter the program, a student must have a cumulative grade point average of at least 3.0 at the end of 90



semester credit hours. However, students who have a grade point average lower than 3.0 may be considered at the discretion of the Hobby School MPP Admissions Committee.

Degree Requirements

If admitted to the accelerated pathway program, the student may take up to 12 credit hours of graduate courses during their senior year to count toward advanced business electives, advanced electives, and/or general elective requirements for majors in accounting, entrepreneurship, finance, management, management information systems, and marketing. Consult the accelerated pathway for the supply chain management major for how the graduate courses count toward that degree. (See list of courses below.) These courses will count as upper-level elective credits toward the bachelor's degree. The student should then complete the full graduate school application to the master's degree program during their senior year. If they are admitted to the master's program, the student will receive transfer credit for the graduate-level work taken during the senior year and will have the remainder of the 39 credit hours left to complete the master's degree.

Graduate Level Courses Approved for the Accelerated Pathway Program

12.0 Credit Hours

POLC 6313 - Policy Analysis I: Microeconomics **Credit Hours: 3.00**

POLC 6314 - Policy Research Methods I: Introduction to Statistics **Credit Hours: 3.00**

POLC 6315 - Policy Research Methods II: Multivariate Analysis **Credit Hours: 3.00**

POLC 6330 - Philosophy and Public Policy I **Credit Hours: 3.00**

Note:

It is important to note that students who are admitted to the accelerated pathway program are not automatically admitted to the master's degree program. They must complete all requirements of the graduate school application and must be formally admitted to the master's degree program following their final undergraduate year.

Graduate Certificate

Public Policy and Public Administration, Certificate

The Hobby School of Public Affairs and the Master of Public Administration Program offers a joint graduate certificate in public policy. The Graduate Certificate in Public Policy and Public Administration is meant to provide an overview of both public policy and public administration.

Graduate certificates are an excellent way for students to earn additional academic credentials and relevant training in a shorter period of time compared to a full master's degree. These graduate certificates require four approved courses that can also be counted towards either the Master of Public Policy or Master of Public Administration degree if students later apply and join one of these programs.

For more information, please visit the MPA Graduate Certificates (<http://www.uh.edu/class/mpa/graduate-certificate/>) page.

Admission Requirements

The Spring 2020 priority deadline is October 15, 2019, and the application deadline is December 1, 2019. The Fall 2020 priority deadline is March 1, 2020, and the application deadline is June 15, 2020.



Applicants that submit an application prior to the priority deadlines will receive priority consideration for Hobby School and MPA scholarships.

The application process for the graduate certificates is similar to the MPP and MPA and completed entirely online via ApplyWeb (<https://www.applyweb.com/uhouston/index.ftl>).

Applicants must complete a UH Graduate School application and provide official transcripts of all college-level coursework with a bachelor's degree from an accredited institution, current resume, and a statement of purpose.

The GRE, letters of recommendation, and application fee are not required when applying for admission to the graduate certificates.

Certificate Requirements

Credit hours required for this certificate: 12.0

The coursework required for the Graduate Certificate in Public Policy and Public Administration includes:

Required Courses

POLC 6314 - Policy Research Methods I: Introduction to Statistics **Credit Hours: 3.00**

PUBL 6350 - Public Management **Credit Hours: 3.0**

Course Electives

Two of the following courses:

POLC 6311 - Leadership and Professional Development **Credit Hours: 3.0**

POLC 6312 - Public Finance **Credit Hours: 3.00**

POLC 6313 - Policy Analysis I: Microeconomics **Credit Hours: 3.00**

POLC 6315 - Policy Research Methods II: Multivariate Analysis **Credit Hours: 3.00**

POLC 6330 - Philosophy and Public Policy I **Credit Hours: 3.00**

POLC 6331 - Philosophy and Public Policy II **Credit Hours: 3.00**

PUBL 6310 - Administrative Theory **Credit Hours: 3.0**

PUBL 6311 - Public Administration and Policy Implementation **Credit Hours: 3.0**

PUBL 6342 - Budgeting For Public Agencies **Credit Hours: 3.0**

PUBL 6415 - Decision Science for Public Affairs **Credit Hours: 4.0**

Academic Policies

University of Houston Academic Policies

In addition to the specific courses that are listed, students can petition the MPA program to include other courses. These will be considered on a case-by-case basis, and will require the consent of the Director of MPA Program and the applicable department where the course is offered.

The graduate certificate will only be awarded to students with a 3.0 or higher GPA for classes taken towards completion of the program.

Students that complete the graduate certificate can also apply to the MPA program. If accepted into the MPA program, these courses will then be counted towards the MPA.



Public Policy, Certificate

The Hobby School of Public Affairs offers several graduate certificates in public policy, including a generalist Graduate Certificate in Public Policy. The Graduate Certificate in Public Policy is meant to provide an overview of public policy, and unlike the other graduate certificates, it doesn't focus on a specific policy area.

Graduate certificates are an excellent way for students to earn additional academic credentials and relevant training in a shorter period of time compared to a full master's degree. These graduate certificates require four approved courses that can also be counted towards the Master of Public Policy degree if students later apply and join this program.

For more information, please visit the Hobby School's Graduate Certificates (<http://www.uh.edu/hobby/mpp/certificates>) page.

Admission Requirements

The Spring 2020 priority deadline is October 15, 2019, and the application deadline is December 1, 2019. The Fall 2010 priority deadline is March 1, 2020, and the application deadline is June 15, 2020.

Applicants that submit an application prior to the priority deadlines will receive priority consideration for Hobby School scholarships.

The application process for the graduate certificates is similar to the MPP and completed entirely online via ApplyWeb (<https://www.applyweb.com/uhouston/index.ftl>).

Applicants must complete a UH Graduate School application and provide official transcripts of all college-level coursework with a bachelor's degree from an accredited institution, current resume, and a statement of purpose.

The GRE, letters of recommendation, and application fee are not required when applying for admission to the graduate certificates.

Certificate Requirements

Credit hours required for this certificate: 12.0

The coursework required for the Graduate Certificate in Public Policy includes:

Core Course

POLC 6314 - Policy Research Methods I: Introduction to Statistics **Credit Hours: 3.00**

Course Electives

Three of the following courses:

POLC 6311 - Leadership and Professional Development **Credit Hours: 3.0**

POLC 6312 - Public Finance **Credit Hours: 3.00**

POLC 6313 - Policy Analysis I: Microeconomics **Credit Hours: 3.00**

POLC 6315 - Policy Research Methods II: Multivariate Analysis **Credit Hours: 3.00**

POLC 6316 - Policy Research Methods III: Advanced Quantitative Modeling **Credit Hours: 3.00**

POLC 6320 - Policy Analysis II: Political Analysis **Credit Hours: 3.0**

POLC 6330 - Philosophy and Public Policy I **Credit Hours: 3.00**



POLC 6331 - Philosophy and Public Policy II **Credit Hours: 3.00**

Academic Policies

University of Houston Academic Policies

In addition to the specific courses that are listed, students can petition the Hobby School to include other courses. These will be considered on a case-by-case basis, and will require the consent of the Hobby School Director of Graduate Studies and the applicable department where the course is offered.

The graduate certificate will only be awarded to students with a 3.0 or higher GPA for classes taken towards completion of the program.

Students that complete the graduate certificate can also apply to the MPP program. If accepted into the MPP program, these courses will then be counted towards the MPP.

Public Policy-Data Analytics, Certificate

The Hobby School of Public Affairs offers several graduate certificates in public policy, including a Graduate Certificate in Public Policy-Data Analytics. The Graduate Certificate in Public Policy-Data Analytics is meant to provide an overview of public policy and a specific focus on data analytics-related policy.

Certificate Requirements

Credit hours required for this certificate: 12.0

The coursework required for the Graduate Certificate in Public Policy-Data Analytics include:

Required Courses

Core Courses

POLC 6314 - Policy Research Methods I: Introduction to Statistics **Credit Hours: 3.00**

POLC Course Electives

And one of the following POLC courses:

POLC 6311 - Leadership and Professional Development **Credit Hours: 3.0**

POLC 6312 - Public Finance **Credit Hours: 3.00**

POLC 6313 - Policy Analysis I: Microeconomics **Credit Hours: 3.00**

POLC 6315 - Policy Research Methods II: Multivariate Analysis **Credit Hours: 3.00**

POLC 6316 - Policy Research Methods III: Advanced Quantitative Modeling **Credit Hours: 3.00**

POLC 6320 - Policy Analysis II: Political Analysis **Credit Hours: 3.0**

POLC 6330 - Philosophy and Public Policy I **Credit Hours: 3.00**

POLC 6331 - Philosophy and Public Policy II **Credit Hours: 3.00**



In addition to these specific courses, students can petition the Hobby School to include other courses. These will be considered on a case-by-case basis, and will require the consent of the Hobby School Director of Graduate Studies and the applicable department where the course is offered.

Data Analytics-Related Course Electives

Besides the two required POLC courses, the options for data analytics-related courses include:

- ANTH 6325 - Computer-Based Data Analysis in Anthropology **Credit Hours: 3.00**
- BZAN 6310 - Quantitative Analysis for Business Decisions **Credit Hours: 3.0**
- COSC 6335 - Data Mining **Credit Hours: 3.0**
- COSC 6339 - Big Data Analytics **Credit Hours: 3.0**
- ELCS 6302 - Data-Informed Decision Making for School Leaders **Credit Hours: 3**
- ELET 6318 - Analysis of Data Networks **Credit Hours: 3.0**
- LAW 6243 - Privacy and Data Protection **Credit Hours: 2.0**
- MATH 6365 - Automatic Learning and Data Mining **Credit Hours: 3.0**
- MARK 7377 - Customer Relationship Management and Database Marketing **Credit Hours: 3.0**
- SOCW 8424 - Statistics and Data Analysis I **Credit Hours: 4.0**

Academic Policies

University of Houston Academic Policies

Public Policy-Energy Policy, Certificate

The Hobby School of Public Affairs offers several graduate certificates in public policy, including a Graduate Certificate in Public Policy-Energy Policy. The Graduate Certificate in Public Policy-Energy Policy is meant to provide an overview of public policy and a specific focus on energy-related policy.

Graduate certificates are an excellent way for students to earn additional academic credentials and relevant training in a shorter period of time compared to a full master's degree. These graduate certificates require four approved courses that can also be counted towards the Master of Public Policy degree if students later apply and join this program.

For more information, please visit the Hobby School's Graduate Certificates (<http://www.uh.edu/hobby/mpp/certificates>) page.

Admission Requirements

The Spring 2020 priority deadline is October 15, 2019, and the application deadline is December 1, 2019. The Fall 2010 priority deadline is March 1, 2020, and the application deadline is June 15, 2020.

Applicants that submit an application prior to the priority deadlines will receive priority consideration for Hobby School scholarships.

The application process for the graduate certificates is similar to the MPP and completed entirely online via ApplyWeb (<https://www.applyweb.com/uhouston/index.ftl>).

Applicants must complete a UH Graduate School application and provide official transcripts of all college-level coursework with a bachelor's degree from an accredited institution, current resume, and a statement of purpose.

The GRE, letters of recommendation, and application fee are not required when applying for admission to the graduate certificates.



Certificate Requirements

Credit hours required for this certificate: 12.0

The coursework required for the Graduate Certificate in Public Policy-Energy Policy include:

Required Courses

Core Course

POLC 6314 - Policy Research Methods I: Introduction to Statistics **Credit Hours: 3.00**

POLC Course Electives

And one of the following POLC courses:

POLC 6311 - Leadership and Professional Development **Credit Hours: 3.0**

POLC 6312 - Public Finance **Credit Hours: 3.00**

POLC 6313 - Policy Analysis I: Microeconomics **Credit Hours: 3.00**

POLC 6315 - Policy Research Methods II: Multivariate Analysis **Credit Hours: 3.00**

POLC 6316 - Policy Research Methods III: Advanced Quantitative Modeling **Credit Hours: 3.00**

POLC 6320 - Policy Analysis II: Political Analysis **Credit Hours: 3.0**

POLC 6330 - Philosophy and Public Policy I **Credit Hours: 3.00**

POLC 6331 - Philosophy and Public Policy II **Credit Hours: 3.00**

Energy-Related Course Electives

Besides the two required POLC courses, the options for energy-related courses include:

ECON 6345 - Energy Economics **Credit Hours: 3.0**

FINA 7352 - Energy Derivatives **Credit Hours: 3.0**

FINA 7371 - Energy Value Chain **Credit Hours: 3.0**

FINA 7372 - Upstream Economics **Credit Hours: 3.0**

FINA 7373 - Petrochemical and Refining Economics **Credit Hours: 3.0**

FINA 7376 - Energy Trading **Credit Hours: 3.0**

LAW 5211 - Energy and the Environment **Credit Hours: 2.0**

LAW 5355 - Oil and Gas **Credit Hours: 3.0**

PETR 6336 - Petroleum Energy Markets **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies

In addition to the specific courses that are listed, students can petition the Hobby School to include other courses. These will be considered on a case-by-case basis, and will require the consent of the Hobby School Director of Graduate Studies and the applicable department where the course is offered.

The graduate certificate will only be awarded to students with a 3.0 or higher GPA for classes taken towards completion of the program.



Students that complete the graduate certificate can also apply to the MPP program. If accepted into the MPP program, these courses will then be counted towards the MPP.

Public Policy-Ethics, Certificate

While earning their Public Policy and Ethics certificate, students will study diverse value perspectives that inform different public policy issues, assess the strengths and weaknesses of these different value perspectives in diverse policy domains, learn to identify the value trade-offs that invariably underlie public policy decisions, and gain a better understanding of the ethical challenges and responsibilities associated with policy research, leadership, and organization behavior.

Admission Requirements

In order to apply for the Public Policy and Ethics graduate certificate program, students must already hold a bachelor's degree from an accredited institution. A cumulative GPA of 3.0 is required for unconditional admission. Students who are already admitted to a graduate program at the University of Houston may apply for admission to this certificate program by filling out a UH Graduate School application through ApplyWeb. Students who are not currently UH graduate students must complete a UH Graduate School application and provide official transcripts of all college-level coursework, current resume, and a statement of purpose. The deadline for applying to this certificate will be the same as the MPP program.

The GRE and two letters of recommendation required for the MPP will be waived for admission into the certificate program. If students wish to pursue an MPP, they will be required to submit a new application that includes all application materials that would be required for the MPP application at the time of the transfer, including the GRE and letters of recommendation. If certificate-seeking students apply and are accepted into the MPP application, the courses that they complete for the certificate will also count towards the MPP.

Certificate-seeking students will have the same rights and privileges as MPP students and will have access to all of the Hobby School of Public Affairs events and resources. Besides faculty support, these students will also be advised by HSPA staff to help them select the classes needed.

Certificate Requirements

Credit hours required for this certificate: 12.0

Course Requirements

POLC 6330 - Philosophy and Public Policy I **Credit Hours: 3.00**

POLC 6331 - Philosophy and Public Policy II **Credit Hours: 3.00**

Non-MPP Degree Student Course Options

Students who are not MPP degree students may also take (but are not required to take) one of the following Hobby School introductory policy courses for credit toward their certificate:

POLC 6311 - Leadership and Professional Development **Credit Hours: 3.0**

POLC 6313 - Policy Analysis I: Microeconomics **Credit Hours: 3.00**

Elective Courses



Students who do not take POLC 6311 or POLC 6313 must take two other ethics-related classes. Students who take POLC 6311 or POLC 6313 for certificate credit need only take one other ethics related class.

POLC 6342 - Political Economy and Ethics of the Market Processes **Credit Hours: 3.00**

POLC 6371 - Rockwell Ethics and Leadership Center Seminar **Credit Hours: 3**

POLC 6397 - Selected Topics in Public Policy **Credit Hours: 3.00**

POLC 6372 - Research Ethics **Credit Hours: 3**

POLC 6373 - Philosophy for Public Policy Students **Credit Hours: 3**

BIOL 6356 - Medical Ethics **Credit Hours: 3.00**

LAW 6321 - Professional Responsibility **Credit Hours: 3.0**

LAW 6395 - Race and the Law **Credit Hours: 3.0**

MANA 6A25 - Ethical Leadership & Critical Reasoning **Credit Hours: 1.5**

MANA 7330 - Employment Law & Labor Relations **Credit Hours: 3**

MANA 7375 - Global Leadership **Credit Hours: 3**

MANA 7347 - Managerial Ethics & Corporate Social Responsibility **Credit Hours: 3**

In addition to these specific courses, students can petition the Hobby School to include other courses. These will be considered on a case-by-case basis and will require the consent of the Hobby School Director of Graduate Studies and the applicable department where the course is offered.

Academic Policies

University of Houston Academic Policies

Public Policy-Health Care Policy, Certificate

The Hobby School of Public Affairs offers several graduate certificates in public policy, including a Graduate Certificate in Public Policy-Health Care Policy. The Graduate Certificate in Public Policy-Health Care Policy is meant to provide an overview of public policy and a specific focus on healthcare-related policy.

Graduate certificates are an excellent way for students to earn additional academic credentials and relevant training in a shorter period of time compared to a full master's degree. These graduate certificates require four approved courses that can also be counted towards the Master of Public Policy degree if students later apply and join this program.

For more information, please visit the Hobby School's Graduate Certificates (<http://www.uh.edu/hobby/mpp/certificates>) page.

Admission Requirements

The Spring 2020 priority deadline is October 15, 2019, and the application deadline is December 1, 2019. The Fall 2010 priority deadline is March 1, 2020, and the application deadline is June 15, 2020.

Applicants that submit an application prior to the priority deadlines will receive priority consideration for Hobby School scholarships.

The application process for the graduate certificates is similar to the MPP and completed entirely online via ApplyWeb (<https://www.applyweb.com/uhouston/index.ftl>).

Applicants must complete a UH Graduate School application and provide official transcripts of all college-level coursework with a bachelor's degree from an accredited institution, current resume, and a statement of purpose.



The GRE, letters of recommendation, and application fee are not required when applying for admission to the graduate certificates.

Certificate Requirements

Credit hours required for this certificate: 12.0

The coursework required for the Graduate Certificate in Public Policy-Health Care Policy includes:

Required Courses

Core Course

POLC 6314 - Policy Research Methods I: Introduction to Statistics **Credit Hours: 3.00**

POLC Course Electives

And one of the following POLC courses:

POLC 6311 - Leadership and Professional Development **Credit Hours: 3.0**

POLC 6312 - Public Finance **Credit Hours: 3.00**

POLC 6313 - Policy Analysis I: Microeconomics **Credit Hours: 3.00**

POLC 6315 - Policy Research Methods II: Multivariate Analysis **Credit Hours: 3.00**

POLC 6316 - Policy Research Methods III: Advanced Quantitative Modeling **Credit Hours: 3.00**

POLC 6320 - Policy Analysis II: Political Analysis **Credit Hours: 3.0**

POLC 6330 - Philosophy and Public Policy I **Credit Hours: 3.00**

POLC 6331 - Philosophy and Public Policy II **Credit Hours: 3.00**

Health Care-Related Course Electives

Besides the two required POLC courses, the options for health care-related courses include:

BIOE 6343 - Global Healthcare **Credit Hours: 3.0**

COMM 6335 - Health Comm. Theory & Research **Credit Hours: 3.0**

CUIN 7391 - Curriculum Development for Health Sciences Education **Credit Hours: 3.0**

ECON 6340 - Health Economics **Credit Hours: 3.0**

POLS 6315 - Health Care Policy **Credit Hours: 3.0**

PUBL 6347 - Seminar in Health Care Policy **Credit Hours: 3.0**

SOCW 7309 - Contemporary Issues in Mental Health **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies

In addition to the specific courses that are listed, students can petition the Hobby School to include other courses. These will be considered on a case-by-case basis, and will require the consent of the Hobby School Director of Graduate Studies and the applicable department where the course is offered.

The graduate certificate will only be awarded to students with a 3.0 or higher GPA for classes taken towards completion of the program.



Students that complete the graduate certificate can also apply to the MPP program. If accepted into the MPP program, these courses will then be counted towards the MPP.

Master of Public Policy

Public Policy, MPP

The Master of Public Policy prepares students to complete advanced analysis in public, private, and nonprofit sectors with an emphasis on developing higher-level quantitative and ethical decision-making skills to solve complex policy issues and problems.

Admission Requirements

Admissions decisions for the MPP program will be made on the totality of the student's application. However, it is expected that the typical well-qualified student will have an undergraduate GPA above 3.0 with scores above 152 on the verbal, 150 on the quantitative, and 4.0 on the analytical writing sections of the GRE.

Applicants must show through either their quantitative GRE score or their performance in previous coursework that they possess the ability to handle the quantitative elements of the curriculum. Students must have an undergraduate degree, although no particular major is required. Applicants to the MPP program are not required to have any professional experience, although such experience enhances their application.

Application Information

For full information on application processing, required documents, and admissions deadlines, please visit the MPP Admissions page.

MPP Curriculum and Degree Requirements

Credit hours required for this degree: 39.0

The MPP degree requires a total of 39 credit hours of coursework, which includes an internship within the public, private, or nonprofit sector. The program is designed to be completed in two years, but program length will vary depending on full-time or part-time enrollment. In order to accommodate working students, required classes are offered in the evenings, Monday through Thursday from 5:30 p.m. to 8:30 p.m. Specialization elective courses may be offered on different days/times and also online. Academic advising and career placement services will be coordinated by a dedicated Hobby School of Public Affairs staff member.

The MPP degree curriculum is interdisciplinary with a quantitative emphasis, incorporating political science, economics, computer science, business, and statistics. Other possible disciplines, depending on a student's concentration, include sociology, psychology, and education. The MPP program shares some core courses with the Master of Public Administration program in the areas of administrative theory, policy analysis, and public finance.

Required Courses (10 courses required: 30 credit hours)

POLC 6311 - Leadership and Professional Development **Credit Hours: 3.0**

POLC 6312 - Public Finance **Credit Hours: 3.00**

POLC 6313 - Policy Analysis I: Microeconomics **Credit Hours: 3.00**

POLC 6314 - Policy Research Methods I: Introduction to Statistics **Credit Hours: 3.00**



- POLC 6315 - Policy Research Methods II: Multivariate Analysis **Credit Hours: 3.00**
- POLC 6316 - Policy Research Methods III: Advanced Quantitative Modeling **Credit Hours: 3.00**
- POLC 6317 - Public Policy Capstone **Credit Hours: 3.00**
- POLC 6320 - Policy Analysis II: Political Analysis **Credit Hours: 3.0**
- POLC 6330 - Philosophy and Public Policy I **Credit Hours: 3.00**
- POLC 6331 - Philosophy and Public Policy II **Credit Hours: 3.00**

Specialization Electives (2 courses required: 6 credit hours)

The specialization and elective courses are selected by the student and must be approved by the department. Some examples of specializations include Education Policy, Energy Policy, Environmental Policy, Health Policy, Quantitative Methods, and Public Relations.

Internship (1 course required: 3 credit hours)

Internships must be approved in advance by the department.

- POLC 6391 - Public Policy Internship **Credit Hours: 3.00**

Global Energy, Development and Sustainability Certificate Option

MPP students can simultaneously earn a Graduate Certificate in Global Energy, Development, and Sustainability (GEDS) along with the MPP. The GEDS graduate certificate offers students a unique, multi-disciplinary curriculum focused teaching critical and timely theory, practice, and skill sets in global oil and gas history, economics, environmental impacts and policy, legal frameworks, community engagement, social justice, corporate social responsibility, human resource management, and risk analysis.

Required Coursework (39 credit hours)

- POLC 6311 - Leadership and Professional Development **Credit Hours: 3.0**
- POLC 6312 - Public Finance **Credit Hours: 3.00**
- POLC 6313 - Policy Analysis I: Microeconomics **Credit Hours: 3.00**
- POLC 6314 - Policy Research Methods I: Introduction to Statistics **Credit Hours: 3.00**
- POLC 6315 - Policy Research Methods II: Multivariate Analysis **Credit Hours: 3.00**
- POLC 6320 - Policy Analysis II: Political Analysis **Credit Hours: 3.0**
- POLC 6330 - Philosophy and Public Policy I **Credit Hours: 3.00**
- POLC 6331 - Philosophy and Public Policy II **Credit Hours: 3.00**
- POLC 6391 - Public Policy Internship **Credit Hours: 3.00**
- GEDS 6310 - Promoting Sustainable Oil and Gas Projects: Legal and Social Frameworks **Credit Hours: 3**
- GEDS 6330 - Promoting Sustainable Oil & Gas Projects: Local Content, Communities, & Corporate Social Responsibility **Credit Hours: 3**
- GEDS 6397 - Selected Topics in Global Energy, Development, Sustainability **Credit Hours: 3**

Accelerated Pathway Programs

The Hobby School currently offers accelerated pathway programs with the Honors College (BA in Liberal Studies/MPP and BS in Liberal Studies/MPP), Department of Philosophy (BA in Philosophy/MPP), and Department of Psychology (BA in Psychology/MPP and BS in Psychology/MPP).

Accelerated pathway dual degree programs provide academically outstanding students an accelerated pathway to complete an undergraduate and a master's degree in a reduced period of time. Accelerated pathway dual degree programs provide senior students



permission to take a specified number of master's level courses as electives toward completion of their bachelor's degree. The students then apply to the MPP program, and if accepted, the previously completed graduate coursework during the senior year is counted as transfer credit toward the completion of the master's degree.

Accelerated Pathway Program Course List

Courses taken during the final undergraduate year (12.0 credit hours):

- POLC 6313 - Policy Analysis I: Microeconomics **Credit Hours: 3.00**
- POLC 6314 - Policy Research Methods I: Introduction to Statistics **Credit Hours: 3.00**
- POLC 6315 - Policy Research Methods II: Multivariate Analysis **Credit Hours: 3.00**
- POLC 6330 - Philosophy and Public Policy I **Credit Hours: 3.00**

Dual Degrees

The Hobby School currently has dual degrees with the Department of Economics (Master of Arts in Applied Economics/MPP), Graduate College of Social Work (Master of Social Work/MPP), and the UH Law Center (Juris Doctorate/MPP).

Dual degree programs allow students to earn two graduate-level degrees in less time than it would take to complete them sequentially. **Students interested in this option must be admitted separately to each of the programs and admission to one has no official bearing on admission to the other.**

For more detailed information concerning these dual degree programs, please visit the Dual Degree Programs page.



Social Work

The University of Houston Graduate College of Social Work (GCSW) prepares diverse leaders in practice and research to address complex challenges and achieve sustainable social, racial, economic, and political justice, locally and globally, through exceptional education, innovative research, and meaningful community engagement.

Programs

Master

Social Work, MSW

Doctoral

Social Work, PhD



About the Graduate College of Social Work

Office of the Dean

Dean

Alan Dettlaff

(713) 743-8085

212 Social Work Building

Associate Deans

Nicole Bromfield, Associate Dean for Academic Affairs

201 Social Work Building, 713-743-3247

Sarah Narendorf, Associate Dean for Research

313 Social Work Building, 713-743-8672

Susan Robbins, Associate Dean for Doctoral Education

311 Social Work Building,

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GCSW Office of Admissions

(713) 743-8075

110HA Social Work Building

Houston, Texas 77204-4013

gcswinfo@uh.edu

General Information

(713) 743-8075

[College Web site](#)

About the College

The University of Houston Graduate College of Social Work (GCSW), established by the Texas Legislature in 1967, provides master's and doctorate level education for the practice of professional social work. The social work profession has as its primary goal the enhancement of social functioning of all persons as individuals, family members, community participants, and members of society.

Social work practice is concerned with promoting the well-being of all persons, ameliorating the harmful effects of unhealthy social environments, and striving to achieve social and economic justice. The social worker needs maturity, knowledge, and skill to provide direct services or to develop programs that encourage maximum development of human potential. Thus, the purposes of graduate social work



education are to encourage a broad-based perspective and value system, to provide knowledge for understanding and positively influencing human behavior and social systems, and to develop advanced skills for professional practice.

Mission Statement

The University of Houston Graduate College of Social Work (GCSW) prepares diverse leaders in practice and research to address complex challenges and achieve sustainable social, racial, economic, and political justice, locally and globally, through exceptional education, innovative research, and meaningful community engagement.

Our vision is to achieve social, racial, economic, and political justice, local to global.

Accreditation

The Master of Social Work (MSW) program of the Graduate College of Social Work is fully accredited by the Council on Social Work Education (CSWE).

The MSW Degree

Students have a choice of three enrollment models: Face to Face, Hybrid, or Online. The face to face program is full-time while hybrid and online are part-time programs. All enrollment models have a choice of areas of specialized practice: Clinical Practice or Macro Practice. Optional focus areas are also available in Health and Behavioral Health, Political Social Work, Social Work Practice with Latinos, and Individualized for face to face students. Hybrid and Online students have the option to pursue Health and Behavioral Health. The focus areas do not require additional hours. All enrollment models require 900 total clock hours of field practicum.

The MSW program at UH consists of 63 credit hours for full program and 38 credit hours for advanced standing. UH is unique in that it offers a 16-credit hour foundation. This intensive portion of the curriculum is organized around content on the foundation of professional social work, human behavior, policy, practice and research. A foundation field practicum (200 clock hours) is also required. Students must satisfactorily complete all 16 credit hours before enrolling in any advanced courses.

The Advanced Standing face to face program is a one year, full-time program (38 credit hours). Students begin in fall and complete course work and field the following two terms. Advanced standing is also available in the hybrid and online enrollment models. In hybrid and online, advanced standing is a part-time program and takes 2.5 to 3 years to complete. Two courses (500 clock hours) of field practicum are required for advanced standing students.

The PhD Degree

The GCSW also offers the PhD in Social Work. Set in an urban, multicultural environment, the purpose of the GCSW doctoral program is to develop social work researchers, scholars, teachers, and leaders who can facilitate change through rigorous and contextualized analysis of social problems and social work interventions in a manner respectful of the experiences of all affected. Graduates will advance the knowledge base of the profession, promote a scientific basis for social work practice at all levels of intervention, and actively promote global social and economic justice.

Dual Degree Programs



Several collaborative degree programs are available that enrich the options and opportunities available to our students. Since admission to two programs is required, interested persons are encouraged to begin the application process early.

MSW/PhD

Applicants without a master's degree in social work (or with a master's degree in another field) may pursue a program of study that leads to both the MSW and the PhD degrees. Admission to the dual MSW-PhD is very limited. Applicants must submit separate applications and fees to both programs.

MSW/MBA

The Graduate College of Social Work and the C.T. Bauer College of Business offer a concurrent degree program that enables students to prepare for careers in which knowledge and skills in both social work and business administration are critical. Students in this dual degree program complete the degree requirements for the MBA and the MSW in the Graduate College of Social Work in a shorter time period than if the degrees were pursued separately.

Applicants must be admitted separately to each of the programs and admission to one has no official bearing upon admission to the other. Upon acceptance, enrollment in both the MSW program in the Graduate College of Social Work and the MBA program in the C.T. College of Business should occur within a period of one calendar year.

MSW/MPH

The Graduate College of Social Work and the University of Texas School of Public Health offer a concurrent degree program that enables students to prepare for careers in which knowledge and skills in both social work and public health are critical. This concurrent program provides students with the opportunity to complete degree requirements for the MSW and the MPH in a shorter time period than if the degrees were pursued separately.

Applicants must be admitted separately to each of the schools and admission to one has no official bearing upon admission to the other. Upon acceptance, enrollment in both the MSW program in the University of Houston Graduate College of Social Work and the MPH program in the University of Texas School of Public Health should occur within a period of one calendar year.

MSW/JD

The Graduate College of Social Work and the Law Center at the University of Houston offer a concurrent degree program that prepares students for professional practice in arenas where law and social work intersect and complement each other. Examples include public services, health and mental health care systems, services to children and families, and the political arena. This program enables students to finish both degrees in a shorter time than if they were pursued separately.

Applicants must be admitted separately to each of the degree programs and admission to one has no official bearing on admission to the other. Applicants need to plan ahead so that their LSAT and GRE scores are submitted to meet application deadlines.

MSW/MPP

University of Houston's Graduate College of Social Work and the Hobby School of Public Affairs offer a concurrent degree program that prepares students for professional practice in social welfare policy arenas. This concurrent degree program enables students to pair the



quantitative and ethics-oriented approach to policy analysis offered by the MPP program with the substantive policy and practical training in health and human service related domains offered by the MSW program.

Students must apply and be admitted separately by each program. All students must apply to the second program no later than the end of their first year in the first program. It will take approximately three years of full-time study to complete the coursework for both degrees.

Sample degree plans can be found on the GCSW website. Both programs require an internship component. The internship requirement for both programs can be met through completion of the required field practicum hours through the GCSW. Students pursuing this concurrent degree are eligible to apply to participate in the Graduate College of Social Work's Austin Legislative Internship Program.

Student Organizations

The GCSW Student Association seeks to promote unity among students of the Graduate College of Social Work. In addition to the SA, other student organizations offer opportunities for active involvement in the life of the school and the community. Student organizations include the National Association of Black Social Workers, the Hispanic Student Association, Social Welfare Action Alliance, Alliance, TIKKUN OLAM (Jewish Student Organization), the Association of Asian American, Social Workers, the National Association of Christian Social Workers, AGES (Association of Gerontology Students), the Clinical Leadership Society, and the Women's Forum Child Welfare Education Project (CWEP) Student & Alumni Organization, MACRO Student Organization, Policy Insiders, Students for the Advancement of International Social Work, Support and Self-Care Group.



GCSW Objectives: Graduate College of Social Work

Program Objectives

The broad objective of the M.S.W. program is to prepare students for responsible, professional social work practice. The program is expected to:

- Provide a sound base of knowledge and skills for professional practice.
- Socialize students to the social work profession, including its Code of Ethics and values.
- Convey an understanding of the impact of racism, sexism, ageism, heterosexism, ethnocentrism, and classism on individuals, groups, social policies, and institutions.
- Contribute to the social work profession through knowledge-building and research activities aimed toward improving social work practice, policies, and programs.

Student Objectives

During the course of their M.S.W. graduate education, students are expected to:

- Develop a broad perception of their roles and functions as social work professionals, including an understanding of, commitment to, and involvement in resolution of social problems through institutional changes and preventive measures.
- Acquire theoretical and applied knowledge of systems (individual, group, family, organizational, community, and societal) for use in carrying out professional roles and functions.
- Develop skills that reflect competence for social work practice in a multiethnic society.
- Attain knowledge of scientific inquiry and research methods as used to advance professional knowledge and practice.
- Develop mature and sensitive attitudes toward self and others that result in becoming disciplined social work practitioners.
- Identify with the profession of social work, its historical tradition, its values and ethics, and its commitment to social justice.
- Accept responsibility for continued learning relative to new knowledge and skills throughout one's career.



Academic Policies: Graduate College of Social Work

Academic and Professional Behavior Policies

MSW Student Standards Policy

The faculty of the GCSW is responsible for creating a teaching-learning environment that fosters student growth and professional development. The Standards Policy includes criteria used to evaluate each student in six general areas: professional readiness, professional commitment, scholastic performance, attendance and punctuality, professional behavior, and ethical conduct. Evaluation is ongoing, from admissions to program entry, program entry to candidacy, and candidacy to graduation. Students are expected to demonstrate continuous progress in the acquisition of knowledge, skills, attitudes, judgment, and behaviors to assume the responsibilities of a competent professional social worker. When students confirm their admission to the GCSW, they are provided a copy of the Standards Policy, and they are required to sign a statement indicating that they have read the policy, and agree to be bound by the provisions therein.

MSW STUDENT STANDARDS POLICY

Enrollment Status

Applicants request admission into either face to face, hybrid, or online enrollment status. Face to face is a full-time program that is completed in 2 years. Hybrid and online programs are part-time and take three years to complete.

Most students are admitted into the specific enrollment status to which they have applied; however, the GCSW reserves the right to limit the number of students admitted in each enrollment model in a given year. Students who wish to change their status prior to their initial enrollment may have to postpone starting the program for a full year if all slots are full. Once enrolled officially (i.e., tuition and fees are paid), students may change their status only with the recommendation of the academic advisor and approval from the Assistant Dean of Student Affairs.

Final Course Letter Grade

Grade Scale	
Grade	Percent
A	96 - 100% of the points
A-	92 - 95.9%
B+	88 - 91.9%
B	84 - 87.9%
B-	80 - 83.9%
C+	76 - 79.9%



Grade Scale	
C	72 - 75.9%
C-	68 - 71.9%
D	64 - 67.9%
F	Below 64%

Academic Probation and Suspension

A student whose grade point average (GPA) falls below 3.0 (B) will be placed on academic probation, and will be allowed to continue his/her enrollment only with the written recommendation of the academic advisor and approval from the dean. Permission to continue will be granted only if there is reasonable likelihood that the grade point average will improve in the subsequent semester. Removal from academic probation is granted when the grade point average is raised to B (3.0 or above). Students have 12 credit hours to bring their GPA to a 3.0.

Three "C" Rule

Effective January 2017, a graduate student who receives a grade of C+ or lower and/or a grade of U in 3 graduate courses attempted at this institution, whether or not in repeated courses, is ineligible for any graduate degree at this institution and will not be permitted to re-enroll for graduate study.

Incomplete Grades

The grade of I (Incomplete) is a conditional and temporary grade given when students are passing a course but, for reasons beyond their control, have not completed a relatively small part of all requirements. Students are responsible for informing the instructor immediately of the reasons for not submitting an assignment on time or not taking an examination as scheduled. The grade of I must be changed by fulfilling the course requirements by the deadline set by the instructor, but no more than one year from the date awarded, or, in conformance with university policy, it will be changed automatically to F or U (in S-U graded courses).

Continuous Enrollment

Students are expected to maintain continuous enrollment throughout their course of study. A temporary, time-limited leave of absence may be granted for compelling reasons with the recommendation of the advisor. However, students who fail to maintain continuous enrollment without initiating an official leave of absence will be considered as having withdrawn from the M.S.W. program. In such cases, students may be required to reapply for admission.

Time Limitation

As an explicit accreditation policy of the Council on Social Work Education, all requirements for the M.S.W. degree must be completed no more than four years from the date of the student's first enrollment at the GCSW.



Academic Honesty

All members of, and participants in, the academic life of the university are governed by the University of Houston Academic Honesty Policy. Copies of this policy are distributed to all students during their first semester, but are also available from the dean's office and the advising office.

Academic Honesty

Disciplinary Action and Termination

The nature of social work dictates that practitioners use sound professional judgment. The college reserves the right to terminate enrollment of any student at any time for what the college faculty and administration may believe to be good and sufficient reason(s), such as cheating, plagiarism, misuse of university property, or unprofessional conduct. Explicit policies are found in the GCSW Student Standards Policy, as well in the UH Graduate and Professional Studies Bulletin (online).

Grievance Policy and Procedures

Students have the right to appeal any action they feel is unfair or in error. The Graduate College of Social Work Policy for Student Grievance is available in the GCSW Student Handbook. It is the responsibility of all students to become familiar with the various policies and regulations of the university and the GCSW and to meet the conditions they impose.

Student Grievance Policy - http://www.uh.edu/socialwork/_docs/policies/StudentGrievancePolicy.pdf

Grievance Cover Sheet - http://www.uh.edu/socialwork/_docs/policies/GrievanceCoverSheet.pdf

Notice of Intent to File a Grievance - http://www.uh.edu/socialwork/_docs/policies/GrievanceIntentFile09.pdf

PDF Files Require Adobe Reader



Student Organizations: Graduate College of Social Work

The Graduate College of Social Work Student Association (GCSWSA) actively promotes professional and social activities among students. Membership is open to all current GCSW students. The association relies on membership dues to fund the association's annual projects, including a graduation party each May. Additionally, the association serves as a link to the school's administration and faculty.

Students are also encouraged to participate in the University of Houston Chapter of the National Association of Black Social Workers, Clinical Leadership Society (CLS), Students for the Advancement of International Social Work (SAISW), Women's Forum, the Hispanic Student Association, Alliance, TIKKUN OLAM (Jewish Student Association), Association of Asian American Social Workers, Association of Christian Social Workers, AGES (Association of Gerontology Students), and the local chapter of the Social Welfare Action Alliance, a national organization of progressive social workers.

All GCSW students are eligible for membership in the National Association of Social Workers (NASW); reduced membership rates are available for students. NASW is the primary professional organization for social workers and has state chapters throughout the country. The Houston Branch of NASW is the largest in the state. When the GCSWSA holds elections for its officers, a student representative to the local branch of NASW is also elected to represent our students.

Honor Societies

Phi Kappa Phi

Phi Kappa Phi is a national honorary society which recognizes superior scholarship in all academic disciplines. Membership in Phi Kappa Phi is by invitation and requires nomination and approval by a chapter. A GCSW student may be nominated for membership if she or he:

- Has achieved an outstanding academic record as an undergraduate;
- Is currently seeking a graduate degree at the University of Houston Graduate College of Social Work;
- Has been enrolled at UH as a graduate student on a full-time basis for at least one academic year or on a part-time basis for the equivalent of at least one academic year (completion of 24 semester credit hours or more); and
- Is ranked scholastically in the top 10 percent of the students enrolled currently in the GCSW program.

Phi Alpha

Phi Alpha Honor Society is a national honor society for social work students. The purposes of Phi Alpha Honor Society are to provide a closer bond among students of social work and promote humanitarian goals and ideals. Phi Alpha fosters high standards of education for social workers and invites into membership those who have attained excellence in scholarship and achievement in social work.

Alumni Association (GCSWAA)

Graduates of the school are invited to become active members of the GCSW Alumni Association, which is affiliated with the university's larger Alumni Organization. The GCSWAA, governed by elected officers and a board of directors, participates actively in the school's fundraising efforts, and sponsors various programs for current GCSW students.



Graduate School of Social Work

Graduate College of Social Work

The University of Houston Graduate College of Social Work (GCSW) prepares diverse leaders in practice and research to address complex challenges and achieve sustainable social, racial, economic, and political justice, locally and globally, through exceptional education, innovative research, and meaningful community engagement.

Master of Social Work

Social Work, MSW

Social work practice is concerned with promoting the well-being of all persons, ameliorating the harmful effects of unhealthy social environments, and striving to achieve social and economic justice. The social worker needs maturity, knowledge, and skill to provide direct services or to develop programs that encourage maximum development of human potential. Thus, the purposes of graduate social work education are to encourage a broad based perspective and value system, to provide knowledge for understanding and positively influencing human behavior and social systems, and to develop advanced skills for professional practice.

Our goal is to prepare students for responsible, professional practice. The program:

- Provides a sound base of knowledge and skills for professional practice.

- Socializes students to the social work profession, including its Code of Ethics and values.

- Conveys an understanding of the impact of racism, sexism, ageism, heterosexism, ethnocentrism, and classism on individuals, groups, social policies, and institutions.

- Contributes to the social work profession through knowledge building and research activities aimed toward improving social work practice, policies, and programs.

We offer two program options:

- Full Program (63 SCH)

- Advanced Standing (38 SCH for students with a BSW)

There are three enrollment model options for the MSW program:

- Face to Face

- Hybrid

- Online

For more information, please see: <http://www.uh.edu/socialwork>.

Admission Requirements

To be considered for unconditional admission to the MSW Program, applicants must:

- Hold a bachelor's degree from an accredited college or university.** The undergraduate education must reflect a sound liberal arts foundation, including courses in the humanities, as well as in the social, behavioral, and biological sciences. You must submit official academic transcripts showing the date the degree was awarded.

- Have achieved a grade point average of 3.0 or better** (4.0 scale) for the last 60 hours of academic course work. We will calculate your GPA based on your transcripts.



Recommendations are required from persons who can address your ability and potential for graduate education and professional social work practice (i.e., former professors, employment supervisors, professional colleagues). If you graduated from college within the last 5 years, one recommendation from a professor or instructor is required. If you are applying for Advanced Standing, one of your three recommendations must be from your faculty advisor or chairperson of your BSW Program. **For all applicants:** if more than one of the three recommendations is personal, the file will be considered incomplete and will not be reviewed. At least two references should be academic or professional.

Submit a personal narrative statement that describes your interest in social work and your commitment to social and economic justice. Specific instructions for the narrative statement are provided on the MSW Application Checklist page.

Persons who hold a nonimmigrant type visa have additional application requirements. Please refer to the University of Houston's information for International Applicants (<http://www.uh.edu/graduate-school/international-students/>).

A nonrefundable \$60.00 application fee, payable by check or money order must accompany your application. Any application received after the published deadline is a late application; a non-refundable additional late fee of \$50.00 will be charged.

An additional fee of \$75.00 is charged for international applicants.

Note: Proficiency in English. Any student, prior to admission or during their course of study, may be required to demonstrate English proficiency through submission of a satisfactory score on a test designated by the associate dean of the college. Students whose written or spoken English skills appear to be marginal (i.e., they may impede academic success and/or reflect communication problems as a social work practitioner) may be required to seek instruction outside the college.

To see more information on the university's English language requirement, visit <http://www.uh.edu/graduate-school/admissions/international-students/english-proficiency/>.

Degree Requirements

Credit hours required for this degree: 63.0

The MSW program at the University of Houston consists of 63 credit hours in either face to face, hybrid, or online enrollment models. Advanced Standing is available to students who hold a BSW from an accredited university. Advanced Standing is a 38 credit hour program available in face to face, hybrid, and online enrollment models.

Our program is unique in that it offers a 16-hour foundation, which serves as the prerequisite for all following coursework.

The intensive foundation curriculum is organized around content on the foundation of professional social work, including coursework in practice, policy, research, and human behavior in the social environment and foundation field practicum (200 clock hours).

Students must satisfactorily complete 16 credit hours of foundation before enrolling in any advanced courses.

In the GCSW advanced curriculum, we offer two areas of specialized practice:

Clinical (face-to-face, hybrid, and online)

Macro Practice (face-to-face, hybrid, and online)

We also offer four optional areas of focus:

Health and Behavioral Health (program formats: face-to-face, hybrid, and online)

Political Social Work (program format: face-to-face)

Social Work Practice with Latinos (program format: face-to-face)

Individualized (program format: face-to-face)

Course Requirements:

The 63-credit MSW curriculum is built upon the following foundational areas:

Foundation & Generalist Curriculum (19 credit hours)

Required Coursework, all students (8 credit hours)



Concentration Coursework (Macro or Clinical Practice) (24 credit hours)
Elective Course work (12 credit hours)

Foundation and Generalist Curriculum (19 credit hours):

This foundation curriculum can be waived for students who received a Bachelor of Social Work degree and who receive an Advanced Standing Waiver.

SOCW 7397 - Selected Topics in Social Work **Credit Hours: 3.00**

Topic(s):

Policy in the Social Environment **AND**

Human Diversity & Development

SOCW 7325 - Assessment in Social Work Practice **Credit Hours: 3.0**

SOCW 6305 - Research & Knowledge Building for Social Work Practice **Credit Hours: 3.0**

SOCW 6293 - Field Practicum I - Foundation **Credit Hours: 2**

SOCW 6294 - Field Practicum II **Credit Hours: 2**

SOCW 6306 - Social Work Practice Skills **Credit Hours: 3.0**

Required Courses (8 credit hours):

SOCW 6201 - Foundations of the Social Work Profession **Credit Hours: 2.0**

SOCW 7367 - Social Policy Analysis **Credit Hours: 3**

SOCW 7301 - Confronting Oppression and Injustice **Credit Hours: 3.0**

Concentration (24 credit hours):

Students must choose either Clinical Practice or Macro Practice as a field of specialized practice:

Clinical Practice Concentration

Clinical Practice Required Courses (21 credit hours):

SOCW 7324 - Clinical Applications of DSM in Social Work **Credit Hours: 3.0**

SOCW 7318 - Cognitive Behavioral Interventions: Motivational Interviewing and Cognitive-Behavioral Theory **Credit Hours: 3**

SOCW 7384 - Field Practicum III - Clinical Practice **Credit Hours: 3**

SOCW 7385 - Field Practicum IV- Clinical Practice **Credit Hours: 3**

SOCW 7304 - Brief Targeted Interventions: Brief Dynamic & Solution Focused **Credit Hours: 3**

SOCW 7305 - Evaluation of SW Practice **Credit Hours: 3.0**

Clinical Practice Elective (3 credit hours, choose one):

SOCW 7356 - Groups in Clinical Settings **Credit Hours: 3.0**

SOCW 7340 - Clinical Practice with Child **Credit Hours: 3.0**

SOCW 7361 - Clinical Social Work Practice with Elders **Credit Hours: 3.0**

Clinical Practice Macro Crossover Elective (3 credit hours, choose one):



SOCW 6354 - Managing Human Services Orgs **Credit Hours: 3.0**
SOCW 7320 - Empowerment **Credit Hours: 3.0**
SOCW 7323 - Organizational Behavior & Change **Credit Hours: 3.0**
SOCW 7330 - Fiscal Management & Budgeting **Credit Hours: 3.0**
SOCW 7339 - Professional Grant Writing for Social Work **Credit Hours: 3.0**
SOCW 7372 - Global Social Justice **Credit Hours: 3**

Macro Practice Concentration:

Macro Practice Required Courses (24 credit hours):

SOCW 7334 - Social Work Leadership **Credit Hours: 3**
SOCW 7319 - Social Work Practice in Organizations **Credit Hours: 3**
SOCW 7335 - Social Work Practice in Communities **Credit Hours: 3**
SOCW 7329 - Social Work Practice for Policy Change **Credit Hours: 3**
SOCW 7388 - Field Practicum III- Macro Practice **Credit Hours: 3**
SOCW 7389 - Field Practicum IV- Macro Practice **Credit Hours: 3**
SOCW 7397 - Selected Topics in Social Work **Credit Hours: 3.00**

Topic(s):

Program Planning & Evaluation

Clinical Practice Crossover Elective (3 credit hours, choose one):

SOCW 7321 - Multi-Cultural Practice **Credit Hours: 3.0**
SOCW 7340 - Clinical Practice with Child **Credit Hours: 3.0**
SOCW 7347 - Social Work Practice & Interventions in Schools **Credit Hours: 3.0**
SOCW 7374 - Mediation for Social Workers **Credit Hours: 3.0**
SOCW 7361 - Clinical Social Work Practice with Elders **Credit Hours: 3.0**
SOCW 7308 - Self-Examination of Life Foundations **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies
Academic Policies: Graduate College of Social Work
MSW Student Standards & Policies

Doctor of Philosophy

Social Work, PhD

Graduate College of Social Work > Social Work, PhD

Graduates of the University of Houston's Graduate College of Social Work (GCSW) impact the community as they address the innumerable complex challenges currently facing our nation. The GCSW's vision of achieving social, racial, economic, and political justice, local to global informs the curriculum providing a solid framework to develop social workers who are staunch advocates who urge and instruct multiple institutions - from grassroots organizations to powerful corporations - to achieve social justice and support vulnerable populations. They lay and continue to reinforce the foundations of service, self-worth and the undeniable value of positive human relationships.



For more information please see <http://www.uh.edu/socialwork>.

PhD Admission Requirements

Early application is strongly encouraged as the number of new students admitted each year is limited, and the admissions process is competitive. Applications must be accompanied by the non-refundable application fee. Incomplete applications, including those without the required fee, will not be reviewed.

To be considered for admission to the Ph.D. Program applicants must:

Hold a master's degree in social work (M.S.W.) from a CSWE-accredited program. Official transcripts, showing degrees awarded and date(s) conferred, from all colleges and universities previously attended are required, OR Hold a master's degree in a related social science discipline from an accredited program. The Doctoral Admissions Committee will evaluate whether M.S.W. foundation prerequisite courses will be required.

Have achieved a grade point average of 3.5 or better (A=4.0) in all previous undergraduate and graduate work. Applicants who do not meet the minimum 3.5 GPA requirement but who demonstrate excellence in other areas of the application may be considered. We will calculate your GPA based on your transcripts.

Submit Graduate Record Exam (GRE) scores. You must have official test scores sent directly to the university. Test scores should not be more than five years old. The University of Houston's institutional code for the GRE is 6870. For information about the GRE, call the Educational Testing Service at 1-800-537-3160 or check the UH Learning and Assessment Services Web site: <http://ussc.uh.edu>

Submit a minimum of three, but not more than five, letters of recommendation from persons who are familiar with your potential for doctoral education. At least two letters must be from academics (i.e., former tenure-track professors, graduate advisor, etc).

Submit a current vita and a written narrative statement that describes your academic and employment histories, and your interest in the Ph.D. program. Identify the faculty you wish to work with in order to develop your research interest.

Submit samples of publications, papers, or other materials reflecting your academic and research excellence. An admissions interview (in-person or by phone) may be requested at the discretion of the Doctoral Committee.

International applicants have additional documentation requirements, including submission of possible test scores to demonstrate English language proficiency. To learn more visit <http://www.uh.edu/graduate-school/admissions/international-students/>
Note: Proficiency in English. Students whose written or spoken English skills appear to be marginal (i.e., they may impede academic success and/or reflect communication problems) may be required to seek instruction outside the college.

Degree Requirements

A **minimum of 53.0 Credit Hours** are required for the Ph.D. and must be in adherence with the grade policy.

The credit hours consist of 44.0 Credit Hours in coursework and 9.0 Credit Hours in dissertation research.

Milestones

There are a series of milestone students must successfully accomplish in order to progress through the program:

Pass the Integrative Examination after first 20 hours of sequenced coursework.

Complete a Summer Research Internship upon the completion of remaining coursework.

Defend the dissertation proposal to the student's dissertation committee via written manuscript and oral presentation.

Conduct the dissertation research.

Defend the final dissertation to the student's dissertation committee via written manuscript and oral presentation.

The curriculum is oriented towards evidence-based social work (EBSW) and research on the translation of evidence-based interventions and policies in real world social work and social welfare settings. Students are trained to generate and use valid research evidence to inform the decisions social workers make at all levels of practice and policy. By training our students in EBSW, we increase the capacity of our profession to build interdisciplinary partnerships in both research and practice.



Coursework includes three EBSW research methods courses, statistics and data management courses, theory, social welfare policy analysis, teaching in higher education, grant writing, substantive electives, and a Research Internship designed to allow for the application of translational research skills in a real world social work/social welfare setting.

Time-to-degree

The time it takes to obtain the Ph.D. will generally vary according to your previous preparation, your progress in the program, and the nature of your dissertation research.

All dissertations must be completed within five (5) years of passing the oral comprehensive examination or students will be required to retake the oral comprehensive examination.

Students must complete the dissertation within 10 years of the date of first enrollment in the doctoral program.

It is recommended that students successfully complete the dissertation proposal defense no later than the fifth (5th) term following the oral comprehensive examination.

This then allows for five terms to complete the entire dissertation before the five-year deadline regarding the oral comprehensive examination.

Required Courses

44.0 Credit Hours (minimum)

SOCW 8311 - Research Methods I: Introduction to Research on Evidence-Based Social Work **Credit Hours: 3.0**

SOCW 8322 - Research Methods II: Applied Quantitative Research on Evidence-Based Social Work **Credit Hours: 3.0**

SOCW 8323 - Research Methods III: Qualitative Research for Evidence-Based Social Work **Credit Hours: 3.0**

SOCW 8424 - Statistics and Data Analysis I **Credit Hours: 4.0**

SOCW 8325 - Applied Multivariate Statistics **Credit Hours: 3.0**

SOCW 8327 - Grant Writing **Credit Hours: 3.0**

SOCW 8333 - Social Science Theories **Credit Hours: 3**

SOCW 8334 - Social Policy Analysis **Credit Hours: 3.0**

SOCW 8335 - Teaching in Higher Education **Credit Hours: 3.0**

SOCW 8336 - Research Internship I **Credit Hours: 3.0**

SOCW 8397 - Selected Topics in Social Work **Credit Hours: 3.00**

Topic: Integrative Doctoral Seminar

Additional Electives **6.0 Credit Hours (minimum)**

Dissertation Research

9.0 Credit Hours

SOCW 8399 - Dissertation **Credit Hours: 3.0**

SOCW 8699 - Dissertation **Credit Hours: 6.0**

SOCW 8999 - Dissertation **Credit Hours: 9**

Academic Policies

University Academic Policies

Academic Policies: Graduate College of Social Work



Graduate Faculty: Graduate College of Social Work

Faculty Emeriti

W. Andrew Achenbaum. Professor of History and Social Work. B.A., Amherst; M.A., University of Pennsylvania; Ph.D., University of Michigan. Research interests: Gerontology; history of aging; social welfare history.

Dale Alexander. Professor Emeritus of Social Work. B.S., M.S.W., Florida State University; Ph.D., The Ohio State University. Research interests: Social work and physician clinical education; occupational mental health; substance abuse; primary care mental health.

Steven Lozano Applewhite. Associate Professor of Social Work. B.A., University of Texas at Austin; M.S.W., Ph.D., University of Michigan. Research interests: Hispanic and minority aging; ethnographic research; aging and social policy; multicultural social work; qualitative evaluation; community planning and organization; curriculum development; minority recruitment and retention.

Florence Clemenger (deceased). Professor Emerita of Social Work; Academy of Certified Social Workers and Registered Social Worker. B.A., University of Cincinnati; M.S.W., University of California, Berkeley; D.S.W., University of Southern California.

Gerson David (deceased). Professor Emeritus of Social Work; Academy of Certified Social Workers and Licensed Master Social Worker. B.Com., Madras University, India; M.A., University of Chicago; Ph.D., University of Pittsburgh. Research interests: Policy research studies; income maintenance and poverty; crime and delinquency; health and services to the elderly; international social welfare education; peace and development studies.

Maxine Weinman Epstein. Professor Emerita of Social Work. Academy of Certified Social Workers and Licensed Clinical Social Worker. B.A., Queens College; M.S.W., University of Oklahoma; Dr.P.H., University of Texas School of Public Health, Houston. Research interests: Child abuse; primary prevention and treatment; maternal and child health; curriculum development; community health; AIDS education; cultural issues in treatment.

Karen A. Holmes. Professor Emerita. Licensed Clinical Social Worker. B.A., Midwestern University; M.S.W., University of Texas at Arlington; Ph.D., University of Texas at Austin. Research interests: Violence issues; feminist practice; crisis intervention; spirituality and social work.

Daniel E. Jennings. Professor Emeritus of Social Work. Academy of Certified Social Workers, Certified Social Worker, and Advanced Clinical Practitioner. B.A., St. Michael's College; M.S.W., Boston College; D.S.W., Catholic University of America.

Jean Kantambu Latting. Professor Emerita. A.B., Rutgers, the State University of New Jersey; M.S., Columbia University; Dr.P.H., University of North Carolina at Chapel Hill. Research interests: Organizational development and change; quality management; organizational behavior; diversity in the workplace.

Mary R. Lewis (deceased). Professor Emerita. Licensed Clinical Social Worker. B.A., Wesleyan College; M.A., University of Alabama; M.S.W., University of Denver; Ph.D., Bryn Mawr College. Research interests: Social policy research; juvenile offenders; child and family welfare; children with disabilities; international social welfare; mental health; social security and income support policies; social research.

George W. Magner (deceased). Professor of Social Work and Senior Vice President Emeritus. Academy of Certified Social Workers. B.A., New Mexico Highlands University; M.A., University of Connecticut; Ph.D., University of Chicago.

Paul R. Raffoul. Professor Emeritus of Social Work and Interim Dean of Graduate College of Social Work. Academy of Certified Social Workers. A.B., Clark University; M.S.W., Florida State University; Ph.D., Washington University. Research interests: Drug and alcohol use and misuse among selected populations; evaluation research; clinical research; technological applications for social work practice.

Ellen S. Stevens-Roseman. Professor Emerita. B.S., Florida State University; M.S.W., University of North Carolina at Chapel Hill; D.S.W., Columbia University. Research interests: Gerontology; volunteerism; well elderly; family relationships; practice research.



Alexander G. Zaphiris (deceased). Professor Emeritus of Social Work. Academy of Certified Social Workers. M.S.W., Wayne State University; J.D., Athens University, Greece; Ed.D., University of Northern Colorado.

Faculty

Chiara Acquati. Assistant Professor of Social Work. PhD, Kent School of Social Work, 2016, MSW, Social Work, Boston college, 2011, MS, Clinical Psychology, Universita Cattolica del Sacro Cuore, 2007, BA Psychological Sciences and Techniques, Universita Cattolica del Sacro Cuore, 2005. Research Interests: Oncology, Dyadic Coping, Couple-based Interventions.

Samira Ali. Assistant Professor of Social Work. PhD, Social Welfare, University of Pennsylvania School of Social Policy, 2013; MSW, Social Work, Columbia University, 2006; BA, Psychology and Law & Society, Purdue University, 2004. Research Interests: HIV risk and prevention; Structural determinants of health; Family-based interventions; Global social work; Methods: Mixed methods, community-based participatory research.

Donna Armtsberg. Clinical Assistant Professor of Social Work. B.S., M.S.W., University of Houston. Research interests: Clinical social work practice; macro social work practice; trauma-focused cognitive behavioral therapy; family violence; crisis intervention; adult violent death fatality review; Equine-assisted psychotherapy; play therapy.

Juan Barthelemy. Assistant Professor of Social Work, Ph.D., Social Work, University of Tennessee (2005), M.S.W, Mental Health Administration, Washington University (1999) M.A.E, School Psychology, University of Northern Iowa (1995) B.A., Psychology, Southern University at New Orleans (1993) Research interests: Adolescent aggression; Juvenile delinquency; Gang intervention; Community engagement; disaster relief.

Sharon Borja. Assistant Professor of Social Work. Ph.D. Social Welfare; University of Washington. M.S.W.; San Francisco State University; Research interests: intergenerational adversity and resilience; racial/ethnic disparities in parent and child wellbeing; prevention of child maltreatment; intersectionality; culturally grounded social work interventions; and practice based research.

Donte Boyd. Assistant Professor. MSW, Washington University in Saint Louis. PhD, University of California, Los Angeles. Research interests: Health disparities and HIV among the Black male youth and young adult population.

Reiko Boyd. Assistant Professor of Social Work. PhD, School of Social Welfare, University of California, Berkeley 2015; MSW, School of Social Welfare, University of California, Los Angeles 2006. Research Interests: Racial/ethnic disparities in children's service systems; Structural inequality and opportunity in African American communities; Infant/adolescent health and well-being; Youth emancipating from foster care; Social determinants of health.

Nicole Bromfield. Associate Professor of Social Work and Associate Dean for Academic Affairs. PhD, Public Policy, Virginia Commonwealth University. MSW, West Virginia University. Research Interests: Human Trafficking, Global Surrogacy.

Aabha Brown. Clinical Assistant Professor of Social Work. MSW, University of Houston Graduate College of Social Work, May 2003; BA, Psychology, Minor in Biological Sciences, University of Texas at Austin, August 1998.

C. Brené Brown. Research Professor of Social Work. Licensed Master Social Worker. B.S.W., University of Texas at Austin; M.S.W., Ph.D., University of Houston. Research interests: Political social work; contextualized practice; women's issues; qualitative research (grounded theory), and chaos theory and complexity.

Jodi Berger Cardoso. Associate Professor of Social Work. B.S., Portland State University; M.S.W., Columbia University; Ph.D., University of Texas at Austin. Research interests: Cultural stressors in Latino immigrants and their children; health disparities; addiction; obesity; mental health issues in the Latino community.

Monit Cheung. Professor of Social Work. Mary R. Lewis Endowed Professor in Children & Youth. Diploma in Sociology, Hong Kong Baptist College; M.A. (Public Administration), M.S.W., Ph.D., The Ohio State University. Research interests: Child abuse and neglect; needs



assessments for the elderly; international and comparative practice; ethnicity and minority issues; refugee and immigrant problems; program evaluation and grant writing; expressive arts and play therapy; family therapy and parenting techniques.

Alan Dettlaff. Dean and Maconda Brown O' Connor Endowed Dean's Chair. 2004 PhD University of Texas at Arlington Arlington, TX Social Work; 1999 MSSW University of Texas at Arlington Arlington, TX Social Work; 1995 BSW Texas Christian University Fort Worth, TX Social Work. Research Interests: Racial disparities in the child welfare system, understanding and addressing the unique needs of Latino immigrant children and families in child welfare systems, improving outcomes for LGBTQ youth in child welfare and affiliated service systems.

Robin Gearing. Professor of Social Work. PhD, University of Toronto, 2006; MSW, Wilfrid Laurier University, 1997; BA, University of Toronto, 1991. Research Interests: Improving outcomes for adolescents and emerging adults with serious mental illnesses and their families, client engagement and adherence to evidence-based psychosocial and pharmacological treatments, patterns of service delivery, service utilization, and treatment adherence, strategies for addressing barriers and enhancing promoters to mental health treatment and services, and interventions to maintain clients in treatment and improve outcomes and recovery.

Shelley Gonzales. Clinical Assistant Professor of Social Work, Assistant Director of Field Education. LCSW, Graduate College of Social Work, University of Houston, 2006; BS Marriage, Family, Human Development & Psychology, Brigham Young University, 2004. Research Interests: experiential education, adolescent criminal recidivism, social work practice and field education.

Sheara A. Williams Jennings. Associate Professor of Social Work. Academy of Certified Social Workers. B.S.W., Southern University; M.S.W., Louisiana State University; Ph.D., University of North Carolina. Research interests: social intervention child behavioral and mental health; the academic achievement gap; social, emotional, and behavioral school readiness.

Charles H. Lea III. Assistant Professor. MSW, University of Michigan, Ann Arbor, MI. Ph.D.- University of California, Los Angeles. Research interests: The risk and resilience processes of young Black men and boys who are at-risk or involved with the juvenile justice system, and the mechanisms within educational, correctional, and community-based settings that are protective and promotes healthy development and positive outcomes.

Patrick Leung. Professor of Social Work. Gerson & Sabina David College Endowed Professor for Global Aging. Diploma in Social Work, Hong Kong Baptist College; B.S.S.W., M.A. (Public Administration), M.S.W., Ph.D., The Ohio State University. Research interests: Computer-based training in child protection services; evaluation research; child welfare; refugee and immigrant issues; cultural competency.

Ginger Lucas. Clinical Assistant Professor of Social Work. MSW, University of Texas in Austin, 1998; BS, Psychology, Texas A&M University, 1996. Research Interests: Best Practices in Online Education Issues related to Public Health including Teen Pregnancy, STD Prevention, HIV awareness, Domestic Violence and Sexual Assault

Christina Miyawaki. Assistant Professor of Social Work. San Francisco State University (Master of Arts in Gerontology); University of California, Berkeley (Master of Social Welfare, Gerontology Focus); University of Washington (Doctor of Philosophy in Social Welfare). Research Interest: Health disparities among older adults of color; health and acculturation, with a focus on immigrant caregivers of older adults; association of race and ethnicity with older adults' health; health promotion and healthy aging

Sarah Narendorf. Associate Professor of Social Work and Associate Dean for Research. PhD, Philosophy in Social Work, Washington University, St. Louis, MO, 2012; MSW, Graduate College of Social Work, University of Houston, Houston, TX, 1998; BA, Rice University, Houston, TX, 1994. Research Interests: Homeless youth and young adults, Adolescent and young adult mental health, Youth aging out of public systems of care, Experience of psychotropic medication treatment, Racial disparities in service use.

Jamie Parker. Clinical Assistant Professor of Social Work, Director of Field Education. MSW, Graduate College of Social Work, University of Houston, 2006; BS, Psychology, University of Houston, 2001. Research Interests: Field Education.

Suzanne Pritzker. Associate Professor of Social Work. B.A., University of Virginia; M.Ed., University of Virginia; M.S.W., Virginia Commonwealth University; Ph.D., Washington University in St. Louis. Research interests: Youth civic engagement (especially among poor and minority adolescents); service-learning: positive youth development; political advocacy; social welfare policy.



Susan P. Robbins. Professor of Social Work and Associate Dean for Doctoral Education . Licensed Social Worker, and Diplomate in Clinical Social Work. B.A., Hamline University; M.S.W., University of Minnesota; D.S.W., Tulane University. Research interests: Juvenile delinquency; drug abuse; labeling in mental health/psychiatry; recovered memories of childhood sexual abuse; satanic ritual abuse; cults; American Indians; mediation.

Allen Rubin. Professor of Social Work. Jean Kantambu Latting College Professorship of Leadership and Social Change. B.S., Pennsylvania State University; M.S.W., Ph.D., University of Pittsburgh. Research interests: Bridging the gap between research and practice by assessing conditions under which interventions are found to be effective in research studies, and how they are and are not effective when adapted and implemented in real world practice settings.

McClain Sampson. Associate Professor of Social Work. B.A., University of Colorado, Boulder; M.S.S.W., University of Tennessee at Knoxville; Ph.D. in Social Work, University of Texas at Austin. Research interests: Health issues that affect pregnant and postpartum women such as depression, stress and obesity; health promotion; racial/ethnic disparities of maternal stress; the use of Motivational Interviewing in substance abuse settings; and health care provider's comfort with delivery of palliative care.

Isabel Torres. Associate Professor of Social Work. B.A., University of Texas at Austin; M.P.H. in Health Services Organization, University of Texas at Austin; Dr.P.H. in international and Family Health, University of Texas at Austin. Research interests: Cancer Health Disparities; Palliative and Supportive Care; Geriatric Health; International Health; Medical Mistrust; Informed Decision Making; HPV Vaccine Uptake and Acceptance.

Luis R. Torres. Associate Professor, Humana Endowed Chair in the Social Determinants of Health and Director of the Center for Drug and Social Policy Research. B.A., University of Puerto Rico, Mayaguez; M.A., Ph.D., Fordham University. Research interests: Role of immigration and acculturation in the development of co-occurring (mental health, substance abuse, and medical) disorders; impact of culture on psychiatric diagnosis; cultural competency.

Quenette Walton. Assistant Professor of Social Work, PhD, Social Work, University of Illinois at Chicago (2016), MA, Social Service Administration, University of Chicago (2004), BA, Psychology, University of Michigan-Ann Arbor (1999) Research interests: Mental health and mental health disparities among Black women across the life course, SES as a social determinant of mental health, the Black middle class, black women's wellness and well-being, life course, race, class, and gender, qualitative research.

Jody Williams. Distinguished Visiting Professor, Sam and Cele Keeper Endowed Professor in Peace and Social Justice. Nobel Laureate for Peace (1997). B.A., University of Vermont; M.A., John Hopkins University; M.A., School of International Training. Research interests: International relations; peace and human rights issues.



Technology

College of Technology



About the College of Technology

General Information

The College of Technology has provided an applications-based undergraduate education covering a broad spectrum of disciplines for over 75 years and continues these academic pursuits at the graduate level of study.

The master's degrees offered by the College of Technology provide graduates with an advanced education that is directed toward career opportunities on two distinct paths: One path involves cutting-edge research and the application of state-of-the-art technology to the needs of business, industry and academia. The other path prepares organizational and development personnel for careers in business and industry.

The Department of Construction Management (CM) offers the following master's degrees: Master of Science (M.S.) in Construction Management, Master of Science (M.S.) in Supply Chain and Logistics Technology, and Master of Science (M.S.) in Technology Project Management.

The Engineering Technology Department (ET), offers a Master of Science (M.S.) in Engineering Technology with specializations in Biotechnology, Computational Health Informatics, Mechanical Engineering Technology, and Network Communications and an Accelerated B.S./M.S. plan in Biotechnology.

The Information and Logistics Technology Department (ILT) offers a Master of Science (M.S.) in Cybersecurity and an accelerated B.S./M.S. Degree Program in Computer Information Systems/Information Systems Cybersecurity.

The Department of Human Development and Consumer Sciences (HDCS) offers the following graduate programs: Master of Science (M.S.) in Foresight, Master of Science (M.S.) in Global Retailing, Master of Science (M.S.) in Human Resource Development, Executive Master of Science in Human Resource Development, Graduate Certificate in Strategic Foresight, and accelerated B.S./M.S. plan in Retailing and Consumer Sciences/Global Retailing and Human Resource Development.

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(713) 743-4050

Department of Construction Management
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Department of Engineering Technology

4730 Calhoun Road, # 304
Houston, Texas 77204-4021
(713) 743-5652

Department of Human Development and Consumer Sciences
4235 Cullen Blvd., #110
Houston, Texas 77204-4021
(713) 743-0581

Department of Information and Logistics Technology



4730 Calhoun Road, #312
Houston, Texas 77204-4021
(713) 743-4794

Dean:

Tony Ambler, Ph.D., University of Manchester, United Kingdom

Associate Dean for Academic Affairs:

Heidar Malki, Ph.D., University of Wisconsin-Milwaukee

Associate Dean for Research and Graduate Studies:

George Zouridakis, Ph.D., University of Houston

Assistant Dean:

Brandie Yale, Ph.D., Texas A&M University

Director for Assessment and Accreditation:

Huda Sarraj, Ph.D., Texas Tech University

Director of Student Affairs:

Jageep Chadha, Ed.M., Columbia University

Director of Business Operations:

David McMullan, M.B.A., University of Phoenix

Director of Development:

Margarita Perez Frinsco, B.A., University of Saint Thomas

Director of College IT Support:

Tom Jones, M.S., University of Houston

Program Director Graduate and Professional Studies Recruitment:

John Smith, II, Ed.D., University of Houston

Graduate Program Advisors:

Shandolyn Arline-Johnson, M.S., Southern New Hampshire University

Donnella Dillon, B.S., Indiana University

Dawn Wolf-Taylor, M.S., Texas Tech University



Admission Requirements: College of Technology

College of Technology Admission Policy

All College of Technology master program's admission policy is aligned with the policy of the graduate school and the University of Houston as a whole. Minimum requirements for admission include the following:

Applicants must have earned a bachelor's degree from an institution accredited by one of the six regional accrediting associations with a 3.0 or higher cumulative GPA.

Foreign institutions not accredited by U.S. accrediting agencies must be recognized by the Ministry of Education or another appropriate agency of the country in which the institution is located.

Submission of official GRE (all programs), GMAT (FSC, GR, HRD, TPM, SCLT, and Cybersecurity), or MAT (FSC, GR, and HRD) scores with minimum scores of 300 on the GRE, 550 on the GMAT, and 400 on the MAT.

Note: the GRE/GMAT/MAT requirement is waived for University of Houston/Main graduates with a 3.3 GPA or higher who graduated three years or less before application to graduate school and for HRD master's applicants with a 3.0 GPA or higher.

For those whose bachelor's degree is from a non-English speaking country, submission of official IELTS (minimum score for admission is a 6.5 overall) or TOEFL (minimum score for admission is a 79 overall) scores are also required.

For more information about the University of Houston admission policy, click here: [General Admission Policy](#).

Required Items for Admission to Graduate School

Submit an online application through the Graduate School.

Application Fee: The application fee for all applicants to graduate programs in the College of Technology is \$75. International applicants must also pay an additional \$75 International Application processing fee for a total of \$150.

One Official Transcript reflecting your bachelor's degree (must be sent to the Graduate School in a sealed envelope from your college or university)

One Official Transcript of any coursework since your bachelor's degree (must be sent to the Graduate School in a sealed envelope from your college or university).

Three Letters of Recommendation.

Personal/Goal Statement. A personal/goal statement is a one-two page essay describing your, previous academic accomplishments, current employment, and professional intentions. You should identify aspects of your previous experience that indicate promise in your selected goal. You may also wish to discuss special circumstances, unique experiences, etc.

Resume.

Appropriate Exam Scores. Submit official exam scores completed within the last 5 years or less to the Graduate School. See the College of Technology Graduate Admissions page for further exam information.

English Language Proficiency Requirement

All graduate applicants, regardless of citizenship status, must demonstrate proficiency in English to obtain admission to the university. To fulfill this requirement, applicants must satisfy one of the following criteria:

Bachelor's degree earned from a regionally accredited U.S. institution or at an institution at which English is the medium of instruction in the following countries listed at this link:

TOEFL (Test of English as a Foreign Language) www.toefl.org

The minimum TOEFL score required is 79 for the internet-based test.



The minimum TOEFL score for the paper-based exam is 550. TOEFL scores must be received directly from Educational Testing Service (ETS). The University of Houston's ETS Institutional Code is 6870.

IELTS (International English Language Testing Service) www.ielts.org

The minimum IELTS score required is an overall score of a 6.5. The testing agency should mail the official results directly to the University of Houston Graduate School at the following address:

*University of Houston
Graduate Admissions
4302 University Dr., Rm. 102
Houston, TX 77204-2012*

Admission will depend on grade point average (GPA), applicable test scores, and other provided information.

Pre-Graduate Students

Pre-Graduate (Pre-Grad) is a non-degree seeking option available through the Graduate School application process that allows qualifying domestic students to enroll in up to 12 graduate level credits prior to graduate admission. Students in this non-degree seeking status are not guaranteed admission to the graduate program and do not qualify for financial aid or scholarships.

Pre-Grad minimum requirements include a bachelor's degree from an accredited institution and a 2.75 or higher overall GPA. Additional academic background may be required to enroll in some courses.

Pre-Grad students should apply to the graduate program and must fulfill all requirements for admission no later than the end of their first term if they wish to become degree seeking.

Certificate Students

Certificate students are admitted through the Graduate School application process for the purpose of seeking a certificate as non-degree seeking. Students in this non-degree seeking status are not guaranteed admission to the graduate program and do not qualify for financial aid or scholarships.

Certificate minimum admission requirements include a bachelor's degree from an accredited institution and a 2.75 or higher cumulative overall GPA. Additional academic background may be required to enroll in some certificates.

Applicable Course Credit

Any course(s) taken prior to admission to the program, whether on-campus or off-campus, cannot be applied to more than one degree program.

Only students who have been admitted to a graduate program, an accelerated BS/MS program, or the Pre-Grad program will be permitted to enroll in graduate courses in the College of Technology. Exceptions require the Dean's approval.

Accelerated BS/MS Plans

Accelerated BS/MS degree plans are open to qualified undergraduate College of Technology majors in the following areas of study:

Biotechnology
Computer Information Systems/Cybersecurity
Human Resource Development



Retailing and Consumer Science/Global Retailing

These accelerated plans are designed for undergraduate students who plan to continue their education at the graduate level immediately upon or shortly after completion of a bachelor's degree. Students that are accepted into an accelerated plan can take up to six graduate credit hours that are applied to both the bachelors' degree and master's degrees in the applicable program. Students can pursue either the thesis, project, or course-only master's degree option. The bachelor's degree will be conferred upon completion of the undergraduate curriculum requirements with prescribed graduate courses substituted for undergraduate courses. The graduate degree will be awarded based on existing requirements for the graduate degree in the semester that the student applies and is admitted to the graduate program. Admission to the graduate program is not guaranteed and must be gained through the Graduate School admission process. Application for the accelerated plans is recommended for undergraduates during their junior year and is completed through inquiry with the undergraduate advisor of each program offering the accelerated option.



Graduate Policies: College of Technology

Academic Policy and Designations

All College of Technology master's program academic policy is aligned with the policy of the Graduate School and University of Houston as a whole. The complete policy can be found at these links:

- [General Academic Regulations and Requirements](#)
- [Auditing Courses](#)
- [Continuous Enrollment](#)
- [Course Load Policy and Reduced Course Load \(RCL\)](#)
- [Dropping Courses](#)
- [Time Limitations](#)
- [Grading Policies](#)
- [Grievance Policy](#)
- [Term Withdrawal](#)
- [Transfer Credit](#)



Graduate Student Funding

Scholarships

Students are encouraged to apply for scholarships and can refer to the college website for a list of current scholarships and deadlines. Requirements and deadlines for scholarships vary by scholarship.

Assistantships

Graduate student assistants are graduate students in good standing enrolled full-time who hold a graduate student appointment requiring the performance of such duties as classroom instruction, academic advising, reading papers and examinations, supervision, or research responsibilities. There are five graduate student appointment categories at University of Houston, including the positions of teaching fellow (TF), teaching assistant (TA), instructional assistant (IA), research assistant (RA), and graduate assistant (GA).



College of Technology Programs

College of Technology

Department of Construction Management

Chair:

Lingguang Song, Ph.D.

Program Coordinators:

Lu Gao, Ph.D., Construction Management (CM)

Liang-Chieh (Victor) Cheng, Ph.D., Supply Chain and Logistics Technology (SCLT)

Ron Hopkins, Ph.D., Technology Project Management (TPM)

Professors:

Neil Eldin, Ph.D. and Gary Richardson, Ph.D.

Associate Professors:

Liang-Chieh (Victor) Cheng, Ph.D.; Ronald Hopkins, Ph.D.; Jamison (Jami) Kovach, Ph.D.; Ahmed Senouci, Ph.D.; Lingguang Song, Ph.D.; and Junko Sugawara, Ph.D.

Department Overview

The Department of Construction Management offers undergraduate and graduate degrees in Construction Management and Supply Chain and Logistics Technology, and a graduate degree in Technology Project Management. Strong industry partnerships offer unmatched opportunities for students to get real-world experience and make connections that often lead to great career opportunities.

Bachelor of Science/Master of Science

Accelerated Pathway - Various, B.S./Technology Project Management, M.S.

Students wishing to apply for the B.S. in Human Resource Development/M.S. Technology Project Management accelerated pathway program must meet the following requirements:

Currently enrolled in Bachelor of Science in Human Resources Development, Supply Chain and Logistics Technology or Technology Leadership and Innovation Management.



Junior standing and completion of 30 semester hours of College of Technology coursework

Minimum 3.0 GPA over all course work

Minimum 3.25 GPA over all College of Technology course work

Approval from the undergraduate Program Coordinator for Human Resource Development

Approval from the graduate Program Coordinator for Technology Project Management

Students may choose up to 6 hours to apply to both the undergraduate and graduate degrees from the approved list.

TEPM 6301 TEPM 6301 - Project Management Principles

TEPM 6302 TEPM 6302 - Leadership and Team Building

Students enrolled in the accelerated program must complete the graduate application process before formal admission to graduate school.

The admission committee reviews the entire application when making an admission decision.

Accelerated Pathway - Various, BS/Supply Chain & Logistics Technology, MS

Supply Chain and Logistics Technology in the College of Technology offers an accelerated MS for students who desire to pursue Supply Chain and Logistics Technology and are undergraduates in junior standing. Students eligible for the Accelerated Program will be allowed to complete up to 6 (six) graduate hours (a total of 2 courses) that may then be applied to both their Bachelor's and Master's degrees.

Admission Requirements

Students wishing to apply for the BS Human Resource Development/MS Supply Chain and Logistics Technology accelerated pathway program must meet the following requirements:

Currently enrolled in Bachelor Science in:

Human Resource Development,

Supply Chain & Logistics Technology, or

Technology Leadership and Innovation Management.

Junior standing and completion of 30 semester hours of College of Technology coursework

Minimum 3.0 GPA over all course work

Minimum 3.25 GPA over all College of Technology course work

Approval from the undergraduate Program Coordinator for undergraduate degree.

Approval from the graduate Program Coordinator for Supply Chain and Logistics Technology.

Shared BS/MS Course Requirements

Students may choose up to 6 hours to apply to both the undergraduate and graduate degrees from the approved list.

Required Course

SCLT 6318 - Supply Chain Strategies **Credit Hours: 3.0**

Choose (1)

SCLT 6316 - Global Supply Chain Logistics **Credit Hours: 3.0**

OR

SCLT 6320 - Procurement Strategies **Credit Hours: 3.0**



Note

Students enrolled in the accelerated program must complete the graduate application process before formal admission to graduate school. The admission committee reviews the entire application when making an admission decision.

Accelerated Pathway BS/MS Degree Program in Construction Management

Accelerated pathway dual degree programs provide academically outstanding students an accelerated pathway to complete an undergraduate and a master's degree in a reduced period of time. Accelerated pathway programs provide undergraduate students permission to take a specified number of master's level courses as electives toward completion of their bachelor's degree. The students then apply to the graduate degree program, and if accepted, the previously completed graduate coursework during the senior year is counted as transfer credit toward the completion of the master's degree.

Admission Requirements

Students wishing to apply for the BS/MS Construction Management accelerated pathway program must meet the following requirements:

- Currently enrolled in Construction Management
- Junior standing and completion of 30 semester hours of College of Technology coursework
- Minimum 3.0 GPA over all course work
- Minimum 3.25 GPA over all College of Technology course work
- Approval from the undergraduate Program Coordinator for Construction Management
- Approval from the graduate Program Coordinator for Construction Management

Shared BS/MS Course Requirements

Students may choose up to 6 hours to apply to both the undergraduate and graduate degrees from the approved list.

Required Course

CNST 6360 - Computer Applications in Construction Management **Credit Hours: 3.0**

Choose (1)

CNST 6390 - Leadership for Construction Managers **Credit Hours: 3.0** OR

CNST 6340 - Best Practices in Construction **Credit Hours: 3.0**

Note

Students enrolled in the accelerated program must complete the graduate application process before formal admission to graduate school. The admission committee reviews the entire application when making an admission decision.

Master of Science



Construction Management, M.S.

The Construction Management (CM) master's degree program provides the knowledge and skills essential for successful leadership positions in the construction industry. The curriculum focuses on both fundamental knowledge and advanced topics. Fundamental courses include estimating, scheduling, contracting, and project management and advanced courses include risk analysis, decision making, computer applications, green construction, quality management, leadership, modeling and optimization, and building information modeling. The program attracts students and working professionals with a diverse background in engineering, construction, and architecture. Our graduates are prepared to work in the construction industry and in academia.

Often referred to as the jobs of the future, science, technology, engineering, and mathematics (STEM) jobs are among the highest paying and in-demand jobs today. This program supports such jobs and is STEM designated, which recognizes its rigor and provides the added benefit of an extended optional practical training (OPT) time period of an additional 24 months to international students.

For more information, [click here](#).

Admission Requirements

Preferred backgrounds include construction management, engineering, architecture, design, urban planning, business management and real estate. For more information on applying to this program and for additional admission requirements, [click here](#):

Degree Requirements

Credit hours required for this degree: 30.0

The Construction Management master's degree requires 30 credit hours, or 10 three-credit courses.

Core Courses (6.0 Credit Hours, choose two courses)

- TECH 6360 - Exp Design & Data Analysis **Credit Hours: 3.0**
- TEPM 6301 - Project Management Principles **Credit Hours: 3.0**
- CNST 6307 - Statistical and Optimization Methods in Construction Management **Credit Hours: 3.0**
- CNST 6308 - Data Analysis in Construction Management **Credit Hours: 3.0**

Approved Electives (18.0 Credit Hours, choose six courses - Thesis/Project Track; 24.0 Credit Hours, choose eight courses - Course Only Track)

- CNST 6310 - Construction Contract Administration **Credit Hours: 3.0**
- CNST 6320 - Cost Analysis and Bidding **Credit Hours: 3.0**
- CNST 6330 - Project Planning & Management **Credit Hours: 3.0**
- CNST 6335 - Introduction to the Oil and Gas Industry **Credit Hours: 3.0**
- CNST 6340 - Best Practices in Construction **Credit Hours: 3.0**
- CNST 6350 - Decision Making and Risk Management **Credit Hours: 3.0**
- CNST 6360 - Computer Applications in Construction Management **Credit Hours: 3.0**
- CNST 6370 - Quality Management & Six Sigma in Const Management **Credit Hours: 3.0**
- CNST 6375 - Building Information Modeling Applications for Construction Management **Credit Hours: 3.0**
- CNST 6380 - Leed & Green Construction Principles in Const Management **Credit Hours: 3.0**
- CNST 6390 - Leadership for Construction Managers **Credit Hours: 3.0**



Project or Thesis (6.0 Credit Hours)

CNST 6396 - Master's Project **Credit Hours: 3.0** (2 semesters)

Academic Policies

University of Houston Academic Policies
Graduate Policies: College of Technology

Supply Chain and Logistics Technology, M.S.

The Master of Science in Supply Chain and Logistics Technology (SCLT) is designed for the professional who seeks advanced preparation in logistics, inventory management, transportation, sales, and procurement. Required courses focus on the development of project management skills that are designed to prepare graduates for responsible leadership roles in technology and information-based workplaces. Course topics in the SCLT area of emphasis include logistics and transportation strategies, supply chain operations measurement and evaluation, global logistics and transportation, and procurement strategies.

Science, technology, engineering, and mathematics (STEM) jobs are extremely sought after, and this program supports STEM designated jobs in fields related to SCLT with its own STEM designation. This designation recognizes the rigor of the program and provides the added benefit of an extended optional practical training (OPT) time period of an additional 24 months to international students.

For more information, click here:

Admission Requirements

An undergraduate or graduate degree in a STEM discipline from an accredited university or college is required for unconditional admission to the Supply Chain & Logistics Technology graduate program. The applicant's undergraduate education must reflect a firm foundation in a STEM discipline, the equivalent of 24 hours within one STEM major or 18 advanced hours within one STEM minor. Students who do not meet the necessary requirements will be requested to complete prerequisites before entering the program. For more information on applying to this program and for additional admission requirements, visit: Admission Requirements: College of Technology.

Degree Requirements

Credit hours required for this degree: 30.0

The Supply Chain Logistics Technology master's degree requires 30 credit hours, or 10 three-credit courses.

Core Courses (12.0 Credit Hours)

SCLT 6314 - Measurement and Evaluation of Supply Chain Operations **Credit Hours: 3.0**

SCLT 6316 - Global Supply Chain Logistics **Credit Hours: 3.0**

SCLT 6318 - Supply Chain Strategies **Credit Hours: 3.0**

SCLT 6320 - Procurement Strategies **Credit Hours: 3.0**

Required TEPM Specialized Courses (6.0 Credit Hours)



TEPM 6301 - Project Management Principles **Credit Hours: 3.0**
TEPM 6304 - Quality Improvement in Project Management **Credit Hours: 3**

Required TEPM Electives (Course Only Track) (6.0 Credit Hours)

TEPM 6302 - Leadership and Team Building **Credit Hours: 3.0**
TEPM 6303 - Risk Assessment in Project Management **Credit Hours: 3.0**

Approved Electives (6.0 Credit Hours - Course Only Track; 6.0 Credit Hours - Course Only Track)

Advisor Approved Elective **Credit Hours: 3.0**

Research Courses (6.0 Credit Hours - Thesis/Project Track)

TEPM 6391 - Project Management Seminar **Credit Hours: 3.0**
TEPM 6395 - Integration Project **Credit Hours: 3.0**
SCLT 6399 - Master's Thesis **Credit Hours: 3** (2 semesters)

Academic Policies

University of Houston Academic Policies
Graduate Policies: College of Technology

Technology Project Management, M.S.

The degree plan for a Master of Science (MS) in Technology Project Management is designed specifically to prepare individuals with undergraduate degrees in a wide range of disciplines for responsible leadership roles in technology-based and professional workplaces.

The core courses provide in-depth preparation in project management skills. The ability to plan and manage technology projects of all kinds is an increasingly important skill for those working in a variety of industries.

Students who graduate with a master's in Technology Project Management are prepared to fill vital management and supervisory roles in a wide range of industries. Career options will vary depending on the chosen area of emphasis.

Students in the program have reported that they have been able to apply the skills they learn across wide variety of occupations including: Project Manager, Team Lead, Analyst, Process Engineer, Quality Manager, Information Services Manager, Logistics Manager, Finance Manager, Senior Sourcing Specialist, Engagement Manager, Operations Management and Business Development Manager.

These occupations are spread across such diverse industries such as banking/finance, manufacturing and production, merchandising and retail, K-16 education, engineering, architecture, hospital and health services, government, military, telecommunications, non-profits, legal services, public utilities, information technology consulting, energy/oil and gas, construction, and software development.

The STEM designation of this degree recognizes the rigor of the program and provides the added benefit of an extended optional practical training (OPT) time period of an additional 24 months for international students.

For more information, click here: www.uh.edu/technology/departments/cm/graduate/tpm/.

This degree requires at least one college-level statistics course or applicable advanced math courses for admission consideration.



Admission Requirements

The Technology Project Management program is designed specifically for individuals with undergraduate degrees in a wide range of disciplines. For more information on applying to this program and for additional admission requirements, click here: <http://www.uh.edu/graduate-school/admissions/how-to-apply/>.

Degree Requirements

Credit hours required for this degree: 30.0

The Technology Project Management master's degree requires 30 credit hours, or 10 three-credit courses.

Course Requirements (30 Hours)

Core Courses (12 Credit Hours)

- TEPM 6301 - Project Management Principles **Credit Hours: 3.0**
- TEPM 6302 - Leadership and Team Building **Credit Hours: 3.0**
- TEPM 6303 - Risk Assessment in Project Management **Credit Hours: 3.0**
- TEPM 6304 - Quality Improvement in Project Management **Credit Hours: 3**

Project Track (18 Hours)

Prescribed Electives (12 Hours)

- TEPM 6305 - Project Manager Tools **Credit Hours: 3.0**
- TEPM 6306 - Project Management Office **Credit Hours: 3.0**
- TEPM 6307 - Advanced Project Management **Credit Hours: 3.0**
- TEPM 6308 - Project Procurement Practices **Credit Hours: 3.0**

Research Courses (6 Hours)

Students are also required to conduct the below research courses, which cannot be taken concurrently.

- TEPM 6391 - Project Management Seminar **Credit Hours: 3.0**
- TEPM 6395 - Integration Project **Credit Hours: 3.0**

Specialization in Engineering Technology Innovation and Management (18 Hours)

- HDCS 6331 - Advanced Strategies For Futures Planning **Credit Hours: 3.0**
- FORE 6333 - Systems Thinking **Credit Hours: 3.0**
- ETIM 6310 - Fundamentals of Innovation **Credit Hours: 3**
- ETIM 6311 - Advanced Innovation Methods **Credit Hours: 3**
- ETIM 6312 - Legal Issues in Technology **Credit Hours: 3**
- ETIM 6390 - Applied Innovation Project **Credit Hours: 3**



Academic Policies

University of Houston Academic Policies
Graduate Policies: College of Technology

Department of Engineering Technology

Chair: Wajiha Shireen, Ph.D.

Assistant Chair: Mequanint Moges, Ph.D.

Program Coordinators:

Sivakumar Ganapathy, Ph.D., Biotechnology specialization (BTEC)

George Zouridakis, Ph.D., Computational Health Informatics

Kamran Alba, Ph.D., Mechanical Engineering Technology specialization (MET)

Deniz Gurkan, Ph.D., Network Communications specialization (NECO)

Professors: Tony Amber, Ph.D.; Heidar Malki, Ph.D.; Hassan Moghaddam, Ph.D.; Wajiha Shireen, Ph.D.; Geroge Zouridakis, Ph.D.

Associate Professors: Farrokh Attarzadeh, Ph.D.; Farouk Attia, Ph.D.; Driss Benhaddou, Ph.D.; Anima Bose, Ph.D.; Deniz Gurkan, Ph.D.; Rupa Iyer, Ph.D.; Fatima Merchant, Ph.D.; Mequanint Moges, Ph.D.; Francisco Robles Hernandez, Ph.D.; Xiaojing Yuan, Ph.D.; and Weihang Zhu, Ph.D.

Assistant Professors: Kamran Alba, Ph.D.; Venkatesh Balan, Ph.D.; Burak Basaran, Ph.D.; Medhat El Nahas, Ph.D.; Zeng Fan, Ph.D.; Albert Flavier; Sivakumar Ganapathy, Ph.D.; Ricardo Lent, Ph.D.; and Luca Pollonini, Ph.D.

Department Overview

The Department of Engineering Technology offers undergraduate and graduate degrees in Engineering Technology. In the master's program offerings, students can choose from specializations in Biotechnology (BTEC), Computational Health Informatics (CHI), Mechanical Engineering Technology (MET), and Network Communications (NECO). The Engineering Technology master's degree examines current issues in technology, project management and experimental design and data analysis.

Bachelor of Science/Master of Science

Accelerated Pathway - Various, B.S./Engineering Technology - Specialization in Network Communications, M.S.

Students wishing to apply for the B.S. in Computer Engineering Technology, Biotechnology, or Computer Information Systems/M.S. Engineering Technology Network Communications accelerated pathway program must meet the following requirements:

Currently enrolled in Computer Engineering Technology, B.S., Biotechnology, B.S., or Computer Information Systems, B. S.

Junior standing and completion of 30 semester hours of College of Technology coursework

Minimum 3.0 GPA over all course work

Minimum 3.25 GPA over all College of Technology course work

Approval from the undergraduate Program Coordinator for Computer Engineering Technology



Approval from the graduate Program Coordinator for Mechanical Engineering Technology.

Students may choose up to 6 hours to apply to both the undergraduate and graduate degrees from the approved list.

ELET 6302 ELET 6302 - Advanced Wireless Networks

ELET 6318 ELET 6318 - Analysis of Data Networks

Students enrolled in the accelerated program must complete the graduate application process before formal admission to graduate school. The admission committee reviews the entire application when making an admission decision.

Accelerated Pathway - Various, B.S./Engineering Technology - Specialization in Network Computational Health, M.S.

Students wishing to apply for the B.S. in Biotechnology/M.S. Engineering Technology Computer Health Informatics accelerated pathway program must meet the following requirements:

Currently enrolled in either Biotechnology, Computer Engineering Technology, or Computer Information Systems.

Junior standing and completion of 30 semester hours of College of Technology coursework

Minimum 3.0 GPA over all course work

Minimum 3.25 GPA over all College of Technology course work

Approval from the undergraduate Program Coordinator for Biotechnology-

Approval from the graduate Program Coordinator for Engineering Technology Computational Health Informatics

Students may choose up to 6 hours to apply to both the undergraduate and graduate degrees from the approved list.

ELET 6350 ELET 6350 - Overview of Computational Health Informatics

ELET 6351 ELET 6351 - Biomedical Data Mining

ELET 6352 ELET 6352 - Matlab for Engineering Technology

ELET 6353 ELET 6353 - Applied Statistics for Technology

ELET 6354 ELET 6354 - Biomedical Image Analysis

ELET 6356 ELET 6356 - Health Analytics and Visualization

Students enrolled in the accelerated program must complete the graduate application process before formal admission to graduate school. The admission committee reviews the entire application when making an admission decision.

Accelerated Pathway - Various, B.S./ Engineering Technology - Human Resources Development, M.S.

Students wishing to apply for the B.S. in Computer Engineering Technology/M.S. Human Resource Development accelerated pathway program must meet the following requirements:

Currently enrolled in Bachelor of Science in Biotechnology, Computer Engineering Technology, Digital Media, Electrical Power Engineering Technology, Human Resource Development, Retailing and Consumer Science, Supply Chain and Logistics Technology or Technology Leadership and Innovation Management.

Junior standing and completion of 30 semester hours of College of Technology coursework

Minimum 3.0 GPA over all course work

Minimum 3.25 GPA over all College of Technology course work

Approval from the undergraduate Program Coordinator for Computer Engineering Technology



Approval from the graduate Program Coordinator for Human Resource Development

Students may choose up to 6 hours to apply to both the undergraduate and graduate degrees from the approved list.

HRD 6301 HRD 6301 - Leadership Development in HRD

HRD 6356 HRD 6356 - Consulting & Prof. Practice

HRD 6305 HRD 6305 - Organizational Learning

Students enrolled in the accelerated program must complete the graduate application process before formal admission to graduate school. The admission committee reviews the entire application when making an admission decision.

Accelerated Pathway BS/MS Degree Program in Mechanical Engineering Technology

Students wishing to apply for the BS Mechanical Engineering Technology/MS Engineering Technology specialization in Mechanical accelerated pathway program must meet the following requirements:

Currently enrolled in Mechanical Engineering Technology, BS

Junior standing and completion of 30 semester hours of College of Technology coursework

Minimum 3.0 GPA over all course work

Minimum 3.25 GPA over all College of Technology course work

Approval from the undergraduate Program Coordinator for Mechanical Engineering Technology

Approval from the graduate Program Coordinator for Mechanical Engineering Technology

Shared Courses

Students may choose up to 6 hours to apply to both the undergraduate and graduate degrees from the approved list:

MECT 6322 - Computer Aided Engineering I **Credit Hours: 3.0**

MECT 6323 - Applied Heat Transfer **Credit Hours: 3**

MECT 6345 - Materials Selection for Energy Sources **Credit Hours: 3**

Note:

Students enrolled in the accelerated program must complete the graduate application process before formal admission to graduate school. The admission committee reviews the entire application when making an admission decision.

Biotechnology, Accelerated BS/MS

The Accelerated BS/MS degree program is open to qualified undergraduate Technology majors in Biotechnology with specializations in either Bioprocessing or Bioinformatics wishing to continue their education at the graduate level upon completion of the BS degree. Students that are accepted in the accelerated program take up to six graduate credit hours that are applied to both the bachelors' degree and master's degree in Biotechnology. Students may pursue either the thesis project, or course-only master's degree options. The BS degree will be conferred upon completion of the undergraduate curriculum requirements with appropriate graduate courses substituted for undergraduate courses. The graduate degree will be awarded based on existing requirements for the graduate degree in the semester the student applies and is admitted to the graduate program. Admission is not guaranteed. Application for the accredited program is recommended for undergraduates during their junior year. Application and completion requirements are available from Engineering Technology undergraduate advisors.



Master of Science

Engineering Technology, MS

The Master of Science in Engineering Technology (ET) is a STEM-qualifying degree that offers specializations in Biotechnology (BTEC), Mechanical Engineering Technology (MET), Computational Health Informatics (CHI), and Network Communications (NECO). The Engineering Technology master's degree examines current issues in technology, project management, and experimental design and data analysis.

The **Biotechnology** specialization emphasizes bioprocessing, protein engineering, computational biology, and federal regulations, and is designed to prepare individuals to conduct or supervise research and development in biotechnology or medical fields. This is a highly inter- and multi-disciplinary degree with the flexibility to allow students to tailor the coursework to meet their individual career goals.

The **Computational Health Informatics** specialization is a highly interdisciplinary degree that prepares the next generation of engineers for a career in the technological transformation of healthcare. This specialization places specific emphasis on mobile computing, medical imaging and instrumentation, wearable sensors, multimodal data mining, and information security as applied to healthcare delivery. Driven by a strong market demand, the program is designed to provide students with a solid background in analytical methodologies, computational tools, devices, physiological modeling and simulation, and biomedical devices relevant to healthcare applications for detecting diseases, assisting with treatment, and monitoring efficacy of therapeutic interventions.

The **Network Communication** specialization builds upon ETAC and ABET-accredited bachelor's degree programs in computer science, electronic, or electrical engineering technology, and related fields and provides an advanced knowledge of computer networks with a diverse set of courses in networking fundamentals, security, network management, protocols, programming, and algorithms. Furthermore, application areas such as optical networking, sensor networks, smart grid, mobile computing, and wireless networks are also available. Advanced applied research opportunities provide an enriching academic experience. Additionally, the program encourages practical experiences through industry partnerships. Our graduates fill vital engineering management and supervisory roles in every industry where networking technologies are essential, including energy, chemical, healthcare, telecommunications and aerospace.

The **Mechanical Engineering Technology** specialization builds upon ABET- accredited mechanical bachelor's degrees and related fields, providing students with highly developed expertise in the design and analysis of mechanical systems. This specialization provides an integrated multi-disciplinary program designed to prepare individuals with practical and theoretical skills in technology that focus on applied mechanical engineering. This relationship facilitates the translation of research findings to meet current industry needs. With state-of-the-art teaching and research laboratories, the MET specialization offers courses and cutting-edge research experiences in several applied areas including instrumentation and measurement, biomedical systems, advanced materials design, manufacturing, systems integration, oil and gas applications, and energy.

For more information, click here: www.uh.edu/technology/departments/et/.

Admission Requirements

For more information on applying to this program and for additional admission requirements, click here: <http://www.uh.edu/graduate-school/admissions/how-to-apply/>.

Degree Requirements

Biotechnology Specialization Course Requirements

Credit hours required for this degree: 30.0



The Engineering Technology master's degree with specialization in Biotechnology requires 30 credit hours, or 10 three-credit courses.

Core Courses (6.0 Credit Hours)

ELET 6360 - Experimental Design & Data Analysis **Credit Hours: 3.0**

TEPM 6301 - Project Management Principles **Credit Hours: 3.0**

Emphasis Area (18.0 Credit Hours, choose six courses - Thesis Track; 21.0 Credit Hours, choose seven courses - Project Track; 24.0 Credit Hours, choose eight courses - Course Only Track)

BTEC 6100 - Seminar in Biotechnology **Credit Hours: 1**

BTEC 6101 - Biotechnology Techniques Metho **Credit Hours: 1**

BTEC 6300 - Standards in Biotechnology **Credit Hours: 3.0**

BTEC 6302 - Introduction to Regulatory Affairs **Credit Hours: 3**

BTEC 6303 - Protein Engineering Technology **Credit Hours: 3**

BTEC 6304 - Computational Methods in BTEC **Credit Hours: 3**

BTEC 6401 - Bioprocessing in Biotechnology **Credit Hours: 4**

BTEC 6397 - Selected Topics in BTEC **Credit Hours: 3**

Research Credits Thesis Track (6.0 Credit Hours)

BTEC 6399 - Thesis **Credit Hours: 3** (2 semesters)

Research Credits Project Track (3.0 Credit Hours)

BTEC 6396 - Masters Project in BTEC **Credit Hours: 3**

Additional BTEC Course **Credit Hours: 3.0**

Course Only Track (6.0 Credit Hours)

Accelerated B.S./M.S. Degree Program in Biotechnology

The Accelerated B.S./M.S. degree program is open to qualified undergraduate Technology majors in Biotechnology with a specialization in either Bioprocessing or Bioinformatics who plan to continue their education at the graduate level upon completion of the B.S. degree. Students that are accepted into the accelerated program can take up to six (6) graduate credit hours that are applied to both the Biotechnology bachelor's degree and the Engineering Technology master's degree with a specialization in Biotechnology.

Students can pursue the thesis, project, or course only track to complete their graduate degree. The B.S. degree will be conferred upon completion of the undergraduate curriculum requirements with appropriate graduate courses substituted for undergraduate courses. The graduate degree will be awarded based on existing requirements for the graduate degree in the semester that the student applies and is admitted to the graduate program and must be completed within five years of completion of the first graduate-level course. Admission into the graduate program is not guaranteed based on admission to the B.S./M.S. degree program.

Computational Health Informatics Specialization Course Requirements

Credit hours required for this degree: 30.0



The Engineering Technology master's degree with a specialization in Computational Health Informatics requires 30 credit hours, or 10 three-credit courses.

Core Courses (6.0 Credit Hours)

ELET 6305 - Analytical Methods in Engineering Technology **Credit Hours: 3.0**

TEPM 6301 - Project Management Principles **Credit Hours: 3.0**

Prescribed Electives (Choose 12.0 Credit Hours Minimum)

ELET 6331 - Fundamentals of Medical Imaging **Credit Hours: 3.0**

ELET 6332 - Physiological Systems Modeling and Simulation **Credit Hours: 3.0**

2 Advisor Approved Electives **Credit Hours: 6.0**

Free Electives (Choose 6.0 Credit Hours - Thesis Track; 9.0 Credit Hours - Project Track; 12.0 Credit Hours - Course Only Track)

ELET 6300 - Computer Network Programming **Credit Hours: 3.0**

ELET 6305 - Analytical Methods in Engineering Technology **Credit Hours: 3.0**

ELET 6308 - Mobile Computing **Credit Hours: 3.0**

ELET 6325 - Practicum in Engineering Technology **Credit Hours: 3.0**

BTEC 6304 - Computational Methods in BTEC **Credit Hours: 3**

FORE 6311 - Introduction to Foresight **Credit Hours: 3.0**

CIS 6321 - Principles of Cybersecurity **Credit Hours: 3**

CIS 6322 - Secure Enterprise Computing **Credit Hours: 3.0**

MIS 7373 - Business Applications of Database Management Systems I **Credit Hours: 3**

MIS 7376 - Systems Analysis and Design **Credit Hours: 3.0**

ENTR 7390 - Technology Entrepreneurship **Credit Hours: 3.0**

Research (6.0 Credit Hours - Thesis Track; 3.0 Credit Hours - Project Track)

ELET 6399 - Master's Thesis **Credit Hours: 3** (2 semesters)

ELET 6396 - Master's Project **Credit Hours: 3.0**

Mechanical Engineering Technology Specialization Course Requirements

Credit hours required for this degree: 30.0

The Engineering Technology master's degree with a specialization in Mechanical Engineering Technology requires 30 credit hours, or 10 three-credit courses.

Core Courses (3.0 Credit Hours)

MECT 6305 - Analytical Method in Engineering Technology **Credit Hours: 3.0**

Prescribed Electives (Choose 21.0 Credit Hours)



MECT 6322 - Computer Aided Engineering I **Credit Hours: 3.0**
MECT 6340 - Materials Selection and Management **Credit Hours: 3.0**
MECT 6397 - Selected Topics **Credit Hours: 3**

Topic(s):

Fundamentals and Applications of Fuel Cells
Advanced Fluid Mechanics
Applied Heat Transfer
Materials Selection for Energy Sources
Energy Systems Economics
Applications in Stress Analytics
Rheology of Energy Related Fluids

Outside Electives (Credit Hours: 6.0)

Two (2) outside electives from approved list or additional two (2) MECT courses from above list

Research Credits Thesis Track (6.0 Credit Hours)

MECT 6399 - Thesis **Credit Hours: 3** (2 semesters)

Research Credits Project Track (6.0 Credit Hours)

MECT 6396 - Master's Project **Credit Hours: 3.0**
MECT 6398 - Special Problems in Mechanical Engineering Technology **Credit Hours: 3.0**
The above courses cannot be taken consecutively.

Network Communications Specialization Course Requirements

Credit hours required for this degree: 30.0

The Engineering Technology degree with a specialization in Network Communication requires 30 credit hours, or 10 three-credit courses.

Core Courses (6.0 Credit Hours)

ELET 6318 - Analysis of Data Networks **Credit Hours: 3.0**
TEPM 6301 - Project Management Principles **Credit Hours: 3.0**

Prescribed Electives (Choose 12.0 Credit Hours Minimum)

ELET 6100 - Seminar in Engineering Technology **Credit Hours: 1.0**
ELET 6300 - Computer Network Programming **Credit Hours: 3.0**
ELET 6302 - Advanced Wireless Networks **Credit Hours: 3.0**
ELET 6303 - Applied Neural Networks **Credit Hours: 3.0**
ELET 6312 - Network Management **Credit Hours: 3.0**
ELET 6313 - Network Security **Credit Hours: 3.0**
ELET 6316 - Network Routing Algorithms and Protocols **Credit Hours: 3.0**
ELET 6317 - Optical Networks **Credit Hours: 3.0**



ELET 6325 - Practicum in Engineering Technology **Credit Hours: 3.0**

ELET 6398 - Spec Probs in Microcomp. System **Credit Hours: 3.0**

Free Electives (6.0 Credit Hours - Thesis Track; 9.0 Credit Hours - Project Track; 12.0 Credit Hours - Course Only Track)

Two (2) outside electives from approved list of additional two (2) ELET courses from above list.

Research Credits Thesis Track (6.0 Credit Hours)

ELET 6399 - Master's Thesis **Credit Hours: 3** (2 semesters)

Research Credits Project Track (3.0 Credit Hours)

ELET 6396 - Master's Project **Credit Hours: 3.0**

Academic Policies

University of Houston Academic Policies
Graduate Policies: College of Technology

Department of Human Development and Consumer Sciences

Chair: Dr. Marcella Norwood

Bachelor of Science/Master of Science

Accelerated Pathway - Various B.S./Global Retailing, M.S

Students wishing to apply for the BS in Computer Engineering Technology/MS Global Retailing accelerated pathway program must meet the following requirements:

Currently enrolled in Bachelor of Science in either Biotechnology, Computer Engineering Technology, Digital Media, Electrical Power Engineering Technology, Human Resource Development, Retailing and Consumer Science, or Supply Chain and Logistics Technology and Technology Leadership and Innovation Management.

Junior standing and completion of 30 semester hours of College of Technology coursework

Minimum 3.0 GPA over all course work

Minimum 3.25 GPA over all College of Technology course work

Approval from the undergraduate Program Coordinator for undergraduate degree.

Approval from the graduate Program Coordinator for Supply Chain and Logistics Technology.

Students may choose up to 6 hours to apply to both the undergraduate and graduate degrees from the approved list.



GRET 6332 GRET 6332 - Consumer Issues and Applications for Global Retailing

GRET 6333 GRET 6333 - Retail Management and Cross-Cultural Perspectives

GRET 6334 GRET 6334 - Global E-Tailing Systems

GRET 6335 GRET 6335 - Regional Retail Markets

GRET 6336 GRET 6336 - Global Retail Analysis of World Regions

Students enrolled in the accelerated program must complete the graduate application process before formal admission to graduate school.

The admission committee reviews the entire application when making an admission decision.

Graduate Certificate

Strategic Foresight Certificate

Advisor: Dr. Andy Hines

The Certificate in Strategic Foresight, offered by the Foresight Program in the Department of Human Development and Consumer Sciences, is an interdisciplinary certificate that provides professional development for those interested in scanning, trend analysis, forecasting, and planning. The unique curriculum emphasizes future planning, creativity, and innovation and it applies theoretical and practical models for understanding change and to map plausible future scenarios and develop plans to prepare for them.

Core Courses (12.0 Credit Hours)

FORE 6311 - Introduction to Foresight **Credit Hours: 3.0**

FORE 6333 - Systems Thinking **Credit Hours: 3.0**

FORE 6351 - Futures Research **Credit Hours: 3.0**

FORE 6371 - World Futures **Credit Hours: 3.0**

Master of Science

Foresight, MS

The Master of Science in Foresight is an interdisciplinary program that prepares students to become professional futurists or to bring a futures perspective to their current careers. This program uses a wide range of theoretical and practical models to examine the sources, patterns, and causes of change in order to map probable, plausible, and preferable futures.

The unique and rigorous curriculum prepares graduates to enter an emerging professional field that enables businesses, government, non-profits, and other organizations to anticipate and prepare for the future. The degree draws from other academic disciplines including Business, Government and Education. Courses include Futures Research, World Futures, Systems Thinking, Strategic Planning, and Social Change.

For more information, [click here](#).

Admission Requirements

For more information on applying to this program and for additional admission requirements, [click here](#).

Degree Requirements



Credit hours required for this degree: 30.0

The Foresight master's degree requires 30 credit hours, or 10 three-credit courses.

Required Courses (21.0 Credit Hours)

- FORE 6311 - Introduction to Foresight **Credit Hours: 3.0**
- FORE 6319 - Proseminar in Foresight **Credit Hours: 3.0**
- FORE 6331 - Social Change **Credit Hours: 3.0**
- FORE 6333 - Systems Thinking **Credit Hours: 3.0**
- FORE 6351 - Futures Research **Credit Hours: 3.0**
- FORE 6371 - World Futures **Credit Hours: 3.0**
- HDCS 6331 - Advanced Strategies For Futures Planning **Credit Hours: 3.0**

Domain Courses (6.0 Credit Hours)

- Two (2) Advisor-approved Electives **Credit Hours: 3.0**

Project, Internship, or Thesis (3.0 Credit Hours)

- FORE 6395 - Master's Project in Foresight **Credit Hours: 3.0**
- FORE 6396 - Internship **Credit Hours: 3.0**
- FORE 6399 - Master's Thesis **Credit Hours: 3.0**

Academic Policies

- University of Houston Academic Policies
- Graduate Policies: College of Technology

Global Retailing, MS

Technology is bringing radical changes to retailing. The Master of Science (MS) in Global Retailing offers unmatched opportunities to learn new strategies and gain deeper insight into the worldwide dynamics and impact of multi-cultural consumer behavior, data analytics, profitability, financial models, channel strategies, E-Commerce, and management models.

This program goes beyond teaching theory to practical applications. Executives in residence and UH faculty provide a stimulating experience in which students explore cross-cultural trends in retail management, including international product sourcing and distribution, applied retail market research and evaluation, and international trade regulations.

The program uniquely prepares innovative, agile retail marketers to successfully propel their careers and emerge as leaders of businesses throughout the global marketplace.

For more information, [click here](#).

Admission Requirements

For more information on applying to this program and additional admission requirements, [click here](#).



Degree Requirements

Credit hours required for this degree: 30.0

The Global Retailing master's degree requires 30 credit hours, or 10 three-credit courses.

Course Requirements for a Master of Science in Global Retailing

Core Courses (18.0 Credit Hours)

GRET 6332 - Consumer Issues and Applications for Global Retailing **Credit Hours: 3.0**

GRET 6333 - Retail Management and Cross-Cultural Perspectives **Credit Hours: 3.0**

GRET 6334 - Global E-Tailing Systems **Credit Hours: 3.0**

GRET 6335 - Regional Retail Markets **Credit Hours: 3.0**

GRET 6336 - Global Retail Analysis of World Regions **Credit Hours: 3.0**

HDCS 6300 - Quantitative and Statistical Methods in HDCS **Credit Hours: 3.0**

OR

TECH 6360 - Exp Design & Data Analysis **Credit Hours: 3.0**

Required Specialization Electives (6.0 Credit Hours)

Two (2) Advisor-approved Electives **Credit Hours: 3.0**

Thesis Track (6.0 Credit Hours)

GRET 6399 - Master's Thesis in Global Retailing **Credit Hours: 3** (2 semesters)

Course Only Track (6.0 Credit Hours)

Two (2) Advisor-approved Electives **Credit Hours: 3.0**

Accelerated B.S./M.S. Degree Program in Retailing and Consumer Sciences/Global Retailing

The accelerated B.S./M.S. degree plan is open to qualified undergraduate College of Technology majors in Retailing and Consumer Sciences (RCS) who plan to continue their education at the graduate level upon completion of the B.S. degree. Students that are accepted into the accelerated program can take up to six (6) graduate credit hours that are applied to both the RCS bachelor's degree and to a future master's in Global Retailing.

The B.S. degree will be conferred upon completion of the undergraduate curriculum requirements with appropriate graduate courses substituted for undergraduate courses. The graduate degree will be awarded based on existing requirements for the graduate degree in the semester that the student applies and is admitted to the graduate program and must be completed within five years of completion of the first graduate-level course. Admission into the graduate program is not guaranteed based on admission to the B.S./M.S. degree program.

Academic Policies

University of Houston Academic Policies



Human Resource Development, MS

The Master of Science (MS) degree in Human Resource Development (HRD) is designed for the professional who seeks to lead and execute talent development, talent management, and performance strategies in diverse organizations. With a strong emphasis on data and value, students evaluate assumptions, clarify problems or opportunities, design and execute interventions (i.e. learning strategy, on boarding, process improvement, e-learning, performance evaluations etc.). Students evaluate the impact and value of these strategies through the lenses of change, learning, and performance.

Five challenges organizations face today:

- Embedding learning in the flow of work
- Addressing learning through the performance lens
- Identifying the value and impact of talent related strategies
- Building capability for competitiveness and sustainability
- Executing strategies as "change"

The HRD master's degree addresses these concerns and more by partnering with companies to create situated learning experiences that unearth the application of theories, and concepts. Through these partnerships, students better understand related concepts, transfer learning, gain work experiences, and build networks. The program strives to retain a timely and meaningful link between academic learning and the work that HRD professionals do within their organizations.

For more information, click here.

Admission Requirements

For more information on how to apply to this program and for additional admission requirements, click here.

Degree Requirements

Credit hours required for this degree: 30.0

The Human Resource Development master's degree requires 30 credit hours, or 10 three-credit courses.

Core Courses (24.0 credit hours)

- HDCS 6300 - Quantitative and Statistical Methods in HDCS **Credit Hours: 3.0**
- HRD 6301 - Leadership Development in HRD **Credit Hours: 3.0**
- HRD 6302 - Design & Management E-Learning **Credit Hours: 3.0**
- HRD 6303 - Assessment & Evaluation in Hrd **Credit Hours: 3.0**
- HRD 6304 - Research in Human Resource Dev **Credit Hours: 3.0**
- HRD 6305 - Organizational Learning **Credit Hours: 3.0**
- HRD 6350 - Foundatn in Human Resource Dev **Credit Hours: 3.0**
- HRD 6352 - Inst Design for Training Envir **Credit Hours: 3.0**
- HRD 6353 - Methods of Adult Learning **Credit Hours: 3.0**

Thesis Track (6.0 Credit Hours)



Course Only Track (6.0 Credit Hours)

Two (2) courses from the approved list or by consent via petition from the graduate faculty advisor prior to enrollment.

Human Resource Development Executive Program (M.S.)

The Executive Master of Science in Human Resource Development is a unique, experiential program that develops participants to lead strategy execution by leveraging learning and change from a global perspective. The program enables graduates to leverage learning and change theory, frameworks, tools and techniques that facilitate strategy execution. An integral component of curriculum is immediate workplace application.

Students are required to complete action research projects that relate to change and learning in a work setting. The action research projects start during the first semester and extend throughout the program, resulting in a capstone presentation in the final semester.

Accelerated B.S./M.S. Degree Plan in Human Resource Development

The accelerated B.S./M.S. degree plan is open to qualified undergraduate College of Technology majors in Human Resource Development (HRD) who plan to continue their education at the graduate level upon completion of the B.S. degree. Students that are accepted into the accelerated program can take up to six (6) graduate credit hours that are applied to both the HRD bachelor's degree and to a future master's in HRD.

The B.S. degree will be conferred upon completion of the undergraduate curriculum requirements with appropriate graduate courses substituted for undergraduate courses. The graduate degree will be awarded based on existing requirements for the graduate degree in the term that the student applied and is admitted to the graduate program and must be completed within five years of completion of the first graduate-level course. Admission into the graduate program is not guaranteed based on admission to the B.S./M.S. degree plan.

Academic Policies

University of Houston Academic Policies
College Academic Policies

Department of Information and Logistics Technology

Chair: Enrique Barbieri, Ph.D.

Program Coordinator: William Arthur Conklin, Ph.D.

Associate Professor: William Arthur Conklin, Ph.D.

Assistant Professors: Chris Bronk, Ph.D., Denise Kinsey, Ph.D., and Yunpeng (Jack) Zhang, Ph.D.

Department Overview

The department of Information and Logistic Technology offers undergraduate and graduate degrees that prepare individuals for leadership roles in technology and information-based workplaces.



Bachelor of Science/Master of Science

Computer Information Systems/Cybersecurity, Accelerated BS/MS

The Accelerated BS/MS plan in Computer Information Systems (CIS)/Cybersecurity is open to qualified undergraduate CIS Technology major with a specialization in Information Security who plan to continue their education at the graduate level upon completion of the BS degree. Students who are accepted into the accelerated program can take up to six (6) graduate credit hours that are applied to both CIS bachelor's and to a future Cybersecurity master's degree.

Students can pursue either the thesis, project, or course-only master's degree options. The B.S. degree will be conferred upon completion of the undergraduate curriculum requirements with appropriate graduate courses substituted for undergraduate courses. The graduate degree shall be awarded based on existing requirements for the graduate degree in the semester that the student applies and is admitted to the graduate program and must be completed within five years of completion of the first graduate-level course.

Graduate level admission is not guaranteed.

Application for the accredited program is recommended for undergraduates during their junior year.

Master of Science

Cybersecurity, MS

The Master of Science (MS) degree in Cybersecurity is a hands-on program that prepares students for responsible leadership roles in technology and information-based workplaces. Designed for working professionals, the program connects theory and experiential learning to equip technology professionals with the skills required to assess the security needs of information systems and to lead and manage the implementation and maintenance of the recommended security solutions.

This program focuses on the development of key management skills within a project management framework. In collaboration with the Center for Information Security Research and Education, students are given the opportunity to engage in state-of-the-art applied research. The Cybersecurity master's is recognized as a National Security Agency/Department of Homeland Security Center of Academic Excellence in Information Assurance Education.

Admission Requirements

For more information on applying to this program and for the additional admission requirements, [click here](#).

Students may be required to complete prerequisite courses.

Degree Requirements

Credit hours required for this degree: 30.0

The Cybersecurity master's degree requires 30 credit hours, or 10 three-credit courses.

Core Courses (21.0 Credit Hours)



CIS 6321 - Principles of Cybersecurity **Credit Hours: 3**
CIS 6322 - Secure Enterprise Computing **Credit Hours: 3.0**
CIS 6323 - Applied Cryptography **Credit Hours: 3**
CIS 6324 - Cybersecurity Risk Management **Credit Hours: 3**
CIS 6325 - Network Security **Credit Hours: 3.0**
CIS 6326 - Critical Thinking in Information Security **Credit Hours: 3**
TEPM 6301 - Project Management Principles **Credit Hours: 3.0**

Prescribed Electives (Thesis or Project Track, 6.0 Credit Hours; Course Only Track, 9.0 Credit Hours)

Advisor-approved Electives **Credit Hours: 3.0**

Project or Thesis (3.0 Credit Hours)

CIS 6399 - Master's Thesis **Credit Hours: 3**
CIS 6396 - Internship in Information Security **Credit Hours: 3.0**



Graduate Faculty: College of Technology

Ahmed Abdelhadi. Assistant Professor, Engineering Technology.

Kamran Alba. Assistant Professor, Engineering Technology; B.S.M.E., Iran University of Science and Technology; M.E., University of Western Ontario, Canada; Ph.D., University of British Columbia.

Enrique Barbieri. Chair and Professor, Information and Logistics Technology; B.S., M.S., and Ph.D., The Ohio State University.

Farouk G. Attia. Associate Professor, Engineering Technology; B.S.M.E. and M.S.M.E., Cairo University, Egypt; Ph.D., University of Houston.

Venkatesh Balan. Assistant Professor, Engineering Technology; B.Sc. and M.Sc., Madras University, India; Ph.D., Indian Institute of Technology.

Burak Basaran. Assistant Professor, Engineering Technology; B.S., Osmangazi University, Turkey; M.S., Gazi University, Turkey; M.S. and Ph.D., Texas A&M University.

Driss Benhaddou. Associate Professor, Engineering Technology; B.S., University of Abdelmalek Essaadi, Morocco; M.S and Ph.D., University of Montpellier, France; Ph.D., University of Missouri.

Amina Bose. Associate Professor, Engineering Technology; B.S. and M.S., Rajshahi University; M.S., Georgetown University; Ph.D., Kent State University.

Chris Bronk. Assistant Professor, Cybersecurity; B.S., University of Wisconsin; M.S. and Ph.D., Syracuse University.

Lila Carden. Instructional Assistant Professor, Construction Management; B.B.A. and Ph.D., Texas A&M University; M.B.A., University of Houston.

Wm. Arthur Conklin. Director for the Center for Information Technology Security Research and Education (CISRE), Program Coordinator and Professor, Information and Logistics Technology; B.A., Washington University in St. Louis; M.S.E.E. and E.E., Naval Postgraduate School; M.B.A. and Ph.D., University of Texas at San Antonio.

Zia Din. Assistant Professor, Construction Management; B.E., University of Engineering and Technology, Pakistan; M.S. Hanyang University, South Korea; Ph.D., Arizona State University.

Neil Eldin. Professor, Construction Management; P.E., C.P.C., and B.S., Cairo University, Egypt; M.S., Concordia University; M.S., McGill University, Canada; Ph.D., Oklahoma State University.

Medhat El Nahas. Assistant Professor, Engineering Technology; B.S., and M.S., Cairo University, Egypt; M.M.E., Rice University; Ph.D., University of Houston.

Jerry Evans. Instructional Professor, Information and Logistics Technology; B.A., University of Houston; M.A., University of Houston-Clear Lake; Ph.D., The Union Institute and University.

Shirley Ezell. Associate Professor, Human Development and Consumer Sciences; B.S., Baylor University; M.S. and Ph.D., Texas Women's University.

Zheng Fan. Assistant Professor, Engineering Technology; B.A., Nanjing University of Science and Technology, China; M.S., Shanghai Jiao Tong University, China; Ph.D., Michigan State University.

Albert Flavier. Instructional Assistant Professor, Engineering Technology; B.S., University of the Philippines; M.S., University of South Carolina; Ph.D., University of Georgia.



Lu Gao. Associate Professor, Construction Management; B.E., Tsinghua University, Beijing, China; M.S. and Ph.D., The University of Texas.

Sivakumar Ganapathy. Program Coordinator Biotechnology and Assistant Professor, Engineering Technology.

Carole E. Goodson. Professor, Human Development and Consumer Sciences; B.S., M.Ed., and Ed.D., University of Houston.

Tomika Greer. Assistant Professor, Human Development and Consumer Sciences; B.S., North Carolina State University; M.Ed., Texas Tech University; Ph.D., Texas A&M University.

Deniz Gürkan. Associate Professor, Engineering Technology and Computer Science; B.S. and M.S., Bilkent University, Turkey; Ph.D., University of Southern California.

Andrew Hines. Program Coordinator of Foresight and Assistant Professor, Human Development and Consumer Sciences; B.A., M.S., and Ph.D., Leeds Metropolitan University, United Kingdom.

Ron Hopkins. Program Coordinator and Instructional Associate Professor, Construction Management; B.A., M.S., and Ph.D., University of Mississippi.

Holly M. Hutchins. Chair and Professor, Human Development and Consumer Sciences; B.A., M.A., and Ph.D., University of North Texas.

Rupa Iyer. Professor, Engineering Technology; B.S., St. Xavier's University, Mumbai; M.S., Mumbai University; Ph.D., Michigan State University.

Olivia Johnson. Assistant Professor, Human Development and Consumer Sciences; B.S., Florida A&M University; M.S. and Ph.D., Auburn University.

Denise Kinsey. Assistant Professor, Information and Logistics Technology; B.S., Bowling Green State University; M.B.A, University of Toledo; Ph.D., Northwestern Polytechnical University, China.

Jamison V. Kovach. Professor, Construction Management; B.S.T.E., North Carolina State University; M.S.T.T., Institute of Textile Technology; Ph.D., Clemson University.

Amaury Lendasse. Associate Professor, Information and Logistics Technology; B.S., MS., and Ph.D., Université Catholique de Louvain, Belgium.

Ricardo Lent. Program Coordinator of Network Communication and Associate Professor, Engineering Technology; B.S., Ricardo Palma University; M.S., Universidad Nacional de Ingenieria; M.S. and Ph.D., University of Central Florida.

Peggy Lindner. Assistant Professor, Information and Logistics Technology; B.S. and M.S., Freiberg University of Mining and Technology, Germany; Ph.D., Stuttgart University, Germany.

Heidar A. Malki. Associate Dean and Professor, Engineering Technology; B.S.E.E., M.S.E.E., and Ph.D., University of Wisconsin-Milwaukee.

Fatima Merchant. Program Coordinator of Computational Health Informatics and Associate Professor, Engineering Technology, Electrical and Computer Engineering, Computer Science, and Biomedical Engineering; B.E., University of Bombay; M.S. and Ph.D., The University of Texas at Austin.

Mequanint Moges. Interim Chair and Instructional Professor, Engineering Technology; B.Sc., Addis Ababa University; M.Eng.Sc., University of New South Wales; Ph.D., Stony Brook University.

Marcella L. Norwood. Program Coordinator and Associate Professor, Human Development and Consumer Sciences; B.S. and M.E., San Jose State University; M.E., Colorado State University; Ed.D., Auburn University.

Jamie Ortiz. Associate Professor, Human Development and Consumer Sciences; B.Sc., University of Chile; M.A., Institute of Social Studies, Erasmus University, The Netherlands; Ph.D., Virginia Tech University.



Daiane Polesello. Instructional Assistant Professor, Human Development and Consumer Sciences; B.B.A, Faculdades Decisao Borges de Mendonca, Brazil; Professional M.BA., Fundacao Getulio Vargas, Brazil; M.B.A, University of Blumenau (FURB), Brazil, and Ph.D., University of Minnesota-Twin Cities.

Luca Pollonini. Assistant Professor, Engineering Technology and Electrical and Computer Engineering; B.S., M.S., and Ph.D., University of Brescia, Italy.

Francisco Robles Hernandez. Associate Professor, Engineering Technology; B.S. and M.S., National Polytechnic Institute, Mexico; Ph.D., University of Windsor, Canada.

Ahmed Senouci. Associate Professor, Construction Management; B.S.C.E., National Polytechnic School of Algiers; M.S. and Ph.D., University of Wisconsin-Madison.

Wajiha Shireen. Professor, Engineering Technology; B.S.E.E., Bangladesh University of Engineering Technology; M.S.E.E. and Ph.D., Texas A&M University.

Lingguang Song. Chair and Professor, Construction Management; B.E. and M.E., Tianjin University, China; Ph.D., University of Alberta, Canada.

Barbara L. Stewart. Professor, Human Development and Consumer Sciences; C.F.C.S., B.A., and Ed.D., Brigham Young University; M.S., Utah State University.

Consuelo Waight. Program Director, Human Resource Development Executive Master's; Program Coordinator, Human Resource Development; Associate Professor, Human Development and Consumer Sciences; B.A., University College of Belize; M.Ed. and Ph.D., University of Illinois at Urbana-Champaign.

Weihang Zhu. Program Coordinator, Mechanical Engineering Technology, and Associate Professor, Engineering Technology; B.S. and M.S., Zhejiang University, China; Ph.D., North Carolina State University.

Xiaojing Yuan. Associate Professor, Engineering Technology; B.S., Hefei University; M.S., University of Science and Technology of China; M.S. and Ph.D., Tulane University.

Xuqing (Jason) Wu. Assistant Professor, Information and Logistics Technology; B.S., University of Science and Technology, Beijing, China; M.Sc., University of Alberta, Canada; Ph.D., University of Houston.

Zhang, Yunpeng (Jack). Assistant Professor, Information and Logistics Technology; B.S., M.Sc., and Ph.D., Northwestern Polytechnical University, China.

George Zouridakis. Associate Dean, Research and Graduate Studies and Professor, Engineering Technology, Electrical and Computer Engineering, and Biomedical Engineering; B.S., University of Rome, Italy; M.S. and Ph.D., University of Houston.



Special Programs and Opportunities

Army Reserve Officers Training Corps (ROTC)

The objective of the Army Reserve Officers Training Corps (ROTC) program is to produce high quality leaders for the United States Army. Upon completion of a degree and the ROTC advanced course, students may be offered a regular or reserve commission in the United States Army, Army Reserve or National Guard. Interested students should contact the Department of Military Science at 743-3875 or write to:

*Department of Military Science
Hofheinz Pavilion
3422 Cullen Boulevard Room 28
Houston, TX 77204-6014
Email: armyrotc@uh.edu*

Cooperative Education

The Cooperative Education Program (CO-OP) is a documented internship which appears on a currently enrolled student's university transcript. CO-OP experience enables students to receive valuable educational training with pay in the student's major field of study either part-time (parallel) or full-time (rotational). Students in certain colleges and programs are eligible to participate in CO-OP after completing a minimum of two semesters within their major field of study, including transfer, graduate and international students on F1-Visas. Students are required to submit work report at the end of each CO-OP semester to document receiving work experience in their major field of study and to receive a grade on the official transcript. The CO-OP program is only available to students in selected colleges and programs. Currently, CO-OP positions are available to students in Engineering, Business, Natural Science and Mathematics, Architecture, Music, Communication, Technology, PharmD, and Law.

For further information, contact:

*University of Houston
Director of Cooperative Education
Engineering Bldg 1
4726 Calhoun Rd, Room 302
Houston, TX 77204-4028
713-743-4230
career.egr.uh.edu/students/coop*

Graduate-Level Inter-institutional Agreement

The University of Houston has a reciprocal arrangement with selected regional universities that enables enrolled, full-time graduate students to take a maximum six hours of graduate-level course work at those participating institutions. Institutions participating in this inter-institutional agreement are Baylor College of Medicine, Rice University, the University of Texas Health Science Center at Houston and the University of Texas Medical Branch. The agreement with these other institutions provides for special admission arrangements, procedures for registration, and posting of final grades. To be eligible to utilize this program, a student must meet the following criteria: they must be enrolled full-time (including the proposed inter-institutional course), the course involved must cover a topic not being offered at the UH main campus, and the course must be required for student's degree plan. Also, students are prohibited from participating in the inter-institutional program during the semester in which they intend to graduate.



Students should initiate this process by completing an inter-institutional course registration form (www.uh.edu/graduate-school/forms) and submitting it to the Office of the University Registrar in the Welcome Center. In all cases, the student bears the responsibility for completing all necessary paperwork, obtaining all required signatures, and delivering documents between the institutions. Failure to complete the full registration process may invalidate the credit earned at the partner institution. Students will be enrolled in special course numbers at the University of Houston will be billed tuition and fees at this institution. Payment for inter-institutional coursework must be made on time according to the university's fee payment calendar along with all other coursework being taken at UH during that term.

Language and Culture Center

The Language and Culture Center (LCC), housed in the Department of English, is an intensive English program providing noncredit English language instruction to undergraduate and graduate international students who have not yet been admitted to degree programs because they need to improve their reading, writing, grammar, or spoken English skills to compete successfully in the university classroom.

International Graduate Teaching Assistants who score low on the Test of Spoken English (TSE), the Speaking Proficiency English Assessment Kit (SPEAK), or other nationally standardized tests may enroll for LCC 6034: English for International Teaching Assistants and Faculty, a noncredit course on English pronunciation and U.S. academic culture.

LCC courses do not count toward degrees, but do count toward full-time student status for immigration reporting purposes and for calculation of building use and student service fees.

For further information, contact:

*University of Houston
Department of English
Language and Culture Center
116 Roy Cullen Building
Houston, TX 77204-3014
Office: 713-743-3030
Fax: 713-743-3029
E-mail: lcc@uh.edu
Internet: lcc.uh.edu*

Learning Abroad

Learning Abroad (LA) facilitates opportunities for UH students to participate in a variety of academic and non-academic programs abroad. It is located in suite 105 of the Ezekiel W. Cullen Building. Learning Abroad is responsible for designing the policies and procedures for students participating in learning abroad programs and in assisting the colleges, departments, faculty and students in fulfilling academic requirements.

Undergraduate and graduate students interested in learning abroad have a wide variety of resources available. Students are able to enroll in any one of the following programs: Faculty-Led Programs, Reciprocal Educational Exchange Programs, Affiliated Programs, Visiting International Studies Program, Research Collaboratives, Internships, and Experiential Learning, Service Learning Programs.

Learning Abroad advisors and support staff are available at the LA to assist students in finding the right programs, equating foreign coursework to UH courses, evaluation of foreign transcripts, and assuring students' health and safety abroad. LA operates a U.S. Passport Acceptance Facility where U.S. students, faculty and staff can have their passport applications processed. LA staff have been trained as Acceptance Agents who meet all U.S. Department of State requirements for operating a Passport Acceptance Facility.

Contact Information:



713-743-9167
105 E Cullen Building
Internet: www.uh.edu/learningabroad

Noncredit Programs and Courses

UH Online & Special Programs provides a broad array of noncredit certificate programs. Focusing on career and professional development, these opportunities are designed to respond to the expressed needs of Houston's business community. For further information about noncredit courses and programs, visit www.outreach.uh.edu.

The **Moores School of Music Preparatory and Continuing Studies Department** offers private music instruction and classes to students of all ages. Professional Development workshops for music educators are offered on a variety of topics through the year. For more information, call 713-743-3398 or visit www.pcs.uh.edu.

Oak Ridge Associated Universities Consortium

The University of Houston is a member of Oak Ridge Associated Universities (ORAU), a consortium of colleges and universities and a management and operating contractor for the U.S. Department of Energy located in Oak Ridge, Tennessee. ORAU works with its member institutions to help their students and faculty gain access to federal research facilities throughout the country; to keep its members informed about opportunities for fellowship, scholarship, and research appointments; and to organize research alliances among its members. Undergraduates, graduates, postgraduates and faculty have access to a multitude of opportunities for study and research. Students can participate in programs covering a wide variety of disciplines including business, earth sciences epidemiology, engineering, physics, pharmacology, ocean sciences, biomedical sciences, nuclear chemistry, and mathematics. For more information about ORAU and its programs, visit www.orau.org.

Online & Special Programs

The University of Houston offers online degree programs for a true education without limits. In addition to online programs, the University of Houston also offers hybrid and short session courses.

Graduate level credit courses offered online from selected degree programs are taught by University of Houston faculty and have the same prerequisites, content, and requirements as on the University of Houston main campus. UH Online & Special Programs coordinates the delivery of courses online. For further information about credit courses offered by UH Online & Special Programs, visit <http://www.uh.edu/online> or call 713-743-3327.

Phi Kappa Phi

Phi Kappa Phi is a national honor society that recognizes superior scholarship in all academic disciplines at the university.

Founded in 1897, Phi Kappa Phi has as its primary objective the recognition and encouragement of superior scholarship. The University of Houston chapter, chartered in November 1949, is the only honor society on campus that is wholly university-wide and includes faculty members, administrators, and undergraduate and graduate students in every division of the university.

Each year Phi Kappa Phi elects to membership a limited number of juniors, seniors, and graduate or professional students who are of good character and have attained outstanding records of academic excellence at the university.



Veterans and Dependents G.I. Bill

Veterans and dependents who wish to claim education benefits should go to **Veterans' Services**, room N202 University Center for information and assistance. Re-certification is necessary each semester for veterans who wish to continue drawing benefits. Enrollment certification cannot be processed until a degree plan/requirement checklist and Advisor Verification of Veteran Enrollment form for the semester certified is in the veteran's file and initial payment for courses is made. Visit www.uh.edu/veterans for further information.

The **Office of the University Registrar** is responsible for submitting certifications for educational benefits to the Veterans Administration under federal guidelines. Requests for enrollment certification including all documentation should be made in room 128 Welcome Center. Requests for certification may be made in 128 Welcome Center during regular office hours, 8:00 a.m.-5:00 p.m., Monday through Friday.



Publication Disclaimer

The University of Houston Graduate Catalog intends to reflect current academic policies, procedures, degree offerings, course descriptions, and other information pertinent to graduate study at the University of Houston.

Although this catalog was prepared on the basis of the best information available at the time, and the information is updated regularly, users are cautioned about the following:

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There is a lag time between approved changes and their publication on this Web site.

Students normally are entitled to graduate under the degree provisions of the catalog in effect at the time of their first completed semester of enrollment.

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