

**USF** UNIVERSITY OF  
SOUTH FLORIDA  
Graduate School



*Published by  
USF Graduate School  
4202 East Fowler Avenue, BEH304  
Tampa, FL 33620*

<http://www.grad.usf.edu>

# 2006-2007 Graduate Catalog

## Updates to Note

---

### Format Updates:

- New Sections include: Section 3- Faculty and Research Interests, Section 26 - Accelerated Degree Programs, and Section 27 - Dual Degree Programs

### Policy Updates Effective fall 2006:

- **Academic Dismissal for Plagiarism** – Added language that graduate students who plagiarize will receive a grade of “FF,” will be academically dismissed from the University, and are not eligible to apply to any graduate program at USF. Approved by UGC 10/17/05. p. 82.
- **Grading Policies** – Added language to the transfer section that “All coursework transferred into the graduate program must have a grade of B or better.” Clarified the In Good Standing Policy, deleting “B” and adding “(on a 4.0 scale)”; and language to confirm that students must be ‘in good standing’ to graduate and cannot graduate with an IF or MF, unless the grade is “accepted” by the student. Approved by UGC 1/23/06. p. 90.
- **Graduate Catalog / Catalog Choice**– clarification of the catalog choice policy to reflect a student’s choice of catalog and the exceptions that may impact the requirements – UGC Approved 3/20/06 . p. 88.
- **Major Professors** – added language to address 1) the appointment of Co-Major Professors (CMP) when the Major Professor (MP) does not meet the definition of graduate faculty; 2) the need to appoint CMP when the MP leaves the University; and 3) the need for the MP to work with the Program Director to address the needs of the student during absence away from the University (i.e. sabbatical, etc.) – Approved by UGC 11/21/05. pp. 94, 97.
- **Time Limitations** – removed copy regarding students admitted prior to 1996. UGC Approved 2/20/06. pp. 93, 97.
- **Thesis and Dissertation Format** confirmed – a traditional format is required, however, alternative formats may be submitted with approval in advance from the Graduate School. Approved by UGC 10/17/05. pp. 95, 99.
- **Doctoral Degree Requirements** – Change in *Minimum Hours* –from University Requirement of 90 minimum hours to no specification of minimum hours. Added wording: *Because the doctoral degree is earned on the basis of advancement to doctoral candidacy status and satisfactory completion of the dissertation, the Graduate School does not specify any minimum number of courses or credit hours that must be completed for award of the degree. Students must comply with general enrollment requirements and also academic residency requirements.* Approved by UGC 1/23/06. (Note: any changes to total hours required for a graduate degree must be approved through the Graduate Council.) p. 97.
- **Doctoral Candidacy** – added language to reflect that an overall and degree program GPA of 3.00 is required for candidacy approval; students may NOT enroll in dissertation hours prior to admission to candidacy; directed research hours shall not exceed 50% of total dissertation hour requirement (approved by UGC 10/17/05); and requirement that all “I” and “M” grades, including “IF” and “MF” grades, must be cleared for doctoral candidacy to be approved. Approved by UGC 11/21/05. p. 99.
- **Au.D. Projects** – Added language clarifying that dissertation requirements are for the academic degrees of Ph.D. and Ed.d. For the professional degrees of Au.D. and D.P.T., contact the professional school for doctoral project requirements. Approved by UGC 10/17/05. p. 99.
- **Dissertation Defenses** – Added language noting that a student must successfully defend the dissertation in order to be able to proceed and complete the final submission process. Approved by UGC 10/17/05. p. 100.
- **Release of Thesis and Dissertation Publications** – updated policy that restricted delays for releasing the Thesis/Dissertation to no more than 3 months. Revised policy provides for immediate release of the publication, with allocations for requesting up to one year of restriction, with advance approval. UGC Approved 1/23/06. pp. 96, 101.
- **Duty to Disclose New Inventions and Works** – added information and the posted URL for the USF Policy regarding duty to disclose new inventions and works – UGC approved 3/20/06. pp. 96, 102.

Questions about these updates may be directed to the Graduate School at [chines-cobb@grad.usf.edu](mailto:chines-cobb@grad.usf.edu)



# GRADUATE CATALOG

## 2006-2007

### **Mission of the Graduate School**

The Mission of the Graduate School at the University of South Florida is to stimulate, encourage and support graduate education efforts that build national distinction and are characterized by innovation and by increasing contribution to the social, cultural, economic, health and technological development needs of the region and state.

USF Graduate School, 4202 E. Fowler Avenue, BEH 304  
Tampa, FL 33620 ~ [www.grad.usf.edu](http://www.grad.usf.edu)

© 2006, University of South Florida Graduate School

*This catalog is effective for the 2006-2007 academic year. This catalog includes all policies, procedures, and program and course descriptions in effect at the time of publication. USF reserves the right to repeal, change, or modify the policies, procedures, programs, and course descriptions at any time.*

*The University of South Florida is committed to the principles of equal education, equal access, and equal employment opportunities without regard to race, color, marital status, sex, religion, national origin, disability, age, or Vietnam or disabled veteran status as provided by law and in accordance with the University's respect for personal dignity. These principles are applied in the conduct of University programs and activities and the provision of facilities and services.*

Archives online:

2005-2006 PDF Version

2004-2005 PDF Version

2003-2004 PDF Version

2001-2003 Catalog and PDF Version

2001-2003 Updates

1999-2001 Catalog

1999-2001 PDF Version

## Table of Contents

---

Section 1	Welcome to Graduate School.....	1
	A Message from the President .....	1
	A Message from the Associate Provost for Research and Dean of the Graduate School.....	2
Section 2	USF: A Multi-Campus National Research Institution.....	3
	USF Mission, Goals, Values, Vision, Accreditation .....	3
	University Administration .....	4
	Regional Campuses.....	4
	Contact Information .....	5
	Academic Calendar .....	6
Section 3	Faculty and Research Interests.....	7
	School of Architecture and Community Design .....	7
	College of Arts and Sciences .....	8
	College of Business Administration.....	29
	College of Education.....	37
	College of Engineering .....	49
	College of Marine Science .....	51
	College of Medicine.....	54
	College of Nursing .....	55
	College of Public Health.....	58
	College of Visual and Performing Arts.....	66
	Interdisciplinary Programs .....	69
Section 4	Graduate Admissions .....	70
	University Admissions Criteria and Policies .....	70
	Statement of Principles .....	70
	Admission Requirements .....	70
	International Applicants.....	70
	Application Procedures.....	71
	Application Checklist .....	71
	Application Fee .....	71
	Transcripts .....	71
	Test Scores .....	71
	Conduct Clearance Policy .....	72
	Residency Policy .....	72
	Application Documents Access/Forward/Return Policy .....	72
	Additional Requirements of Programs .....	72
	Final Admission Criteria.....	73
	Provisional Admission Criteria.....	73
	Exception Admission Criteria.....	73
	Conditional Admission Criteria .....	73
	Deferment of Admission Request.....	73

	Update of Admission Request .....	73
	Denial of Admission/Appeal for Reconsideration Criteria.....	73
	Reinstatement of Admission Request.....	73
	Change of Program Request.....	74
	Student with Disabilities Policy .....	74
Section 5	Registration and General Information.....	75
	Registration Information.....	75
	Medical Requirements for Registration.....	75
	Administrative Holds.....	75
	Equal Opportunity Policy .....	76
	Academic Term and Student Information.....	76
	Semester System.....	76
	Academic Load.....	76
	Academic Standing.....	76
	Class Standing.....	76
	Student Definitions.....	76
	Degree Seeking Student .....	76
	Graduate Certificate Seeking Student .....	76
	Non-Degree Seeking Student .....	76
	Transient Student .....	77
	Student Records Policy.....	77
	Academic Record .....	77
	Release of Student Information .....	77
	Exclusions .....	78
	Course Information .....	78
	Availability of Courses.....	78
	Course Attendance at First Class Meeting	
	Policy for Graduate Students.....	78
	Course Descriptions.....	78
	Adds .....	78
	Drops .....	78
	Auditing Privileges and Fees.....	78
	Cancellation before First Class Meeting.....	78
	Withdrawal.....	78
Section 6	Tuition, Fees, and Financial Information .....	80
	Tuition .....	80
	Veteran Deferment Benefits .....	80
	Financial Aid .....	80
Section 7	Academic Policies .....	81
	Student Responsibilities.....	81
	Student Conduct.....	81
	Academic Dishonesty and Disruption of Academic Process .....	81
	Plagiarism.....	81
	Penalty Guidelines.....	82
	Cheating .....	82
	Punishment Guidelines for Academic Dishonesty .....	83
	Disruption of Academic Process .....	83
	Punishment Guidelines for Disruption of Academic Process.....	83
	Procedures for Handling Student Violations Involving Alleged	
	Academic Dishonesty and Disruption of Academic Process .....	83
	Academic Committee Pre-Hearing Procedure.....	84
	Hearings .....	84
	Standards and Discipline .....	85

	Due Process Rights .....	85
	University Academic Grievance Procedures.....	85
	Appeals .....	88
	Graduate Catalog .....	88
	Student's Program Degree Requirements .....	88
	Student's Program of Study .....	89
	Enrollment Requirements .....	89
	USF Full-time Student Definition.....	89
	Continuous Enrollment for all Graduate Students .....	89
	Reinstatement following Non-Enrollment .....	89
	Enrollment during Comprehensive Exams and Admission to Candidacy.....	89
	Dissertation Hours .....	89
	Enrollment during Semester of Thesis Submission .....	90
	Enrollment during Semester of Graduation .....	90
	Enrollment for Graduate, Teaching, and Research Assistants .....	90
	Leaves of Absence (LOA) .....	90
	Academic Standards and Grades.....	90
	In Good Standing.....	90
	Grade Point Average (GPA).....	90
	Graduate Grading System.....	91
	Plus/Minus Grading .....	91
	Satisfactory/Unsatisfactory (S/U).....	91
	Incomplete (I).....	91
	Missing (M).....	91
	Continuing Registration Grades (Z) .....	92
	Probation.....	92
	Withdrawal (W).....	92
	Transfer of Credit .....	92
	Change of Graduate Programs .....	92
	Dual Degree Programs .....	92
	Off-Campus Courses and Programs.....	92
Section 8	University Degree Requirements .....	93
	Student Responsibilities.....	93
	Graduate Faculty Definition.....	93
	Master's Degree Requirements .....	93
	Minimum Hours .....	93
	Time Limitations .....	93
	Enrollment Requirements .....	93
	Major Professor .....	94
	(Co-) Major Professor of the Student Supervisory Committee Responsibilities.....	94
	Thesis Committee .....	94
	Composition .....	94
	Member Definition .....	94
	Approval.....	94
	Changes to Committee .....	94
	Masters Comprehensive Examination .....	95
	Thesis .....	95
	Format .....	95
	Directed Research.....	95
	Manuscript Processing Fee.....	95
	Exchange of Thesis for Non-Thesis Credit .....	95
	Thesis Defense .....	95
	Thesis Final Submission Guidelines.....	95

	Mandatory Electronic Submission .....	96
	Changes after Publication.....	96
	Release of Thesis Publications.....	96
	Duty to Disclose New Inventions and Works .....	96
	Thesis Change of Grade .....	96
	Education Specialist Degree (Ed.S.) Requirements .....	96
	Ed.S. Thesis.....	96
	Ed.S. Project .....	96
	Doctoral Degree (Au.D., Ed.D., Ph.D., D.P.T.) Requirements.....	97
	Minimum Hours .....	97
	Time Limitations .....	97
	Enrollment Requirements .....	97
	Academic Residency .....	97
	Major Professor .....	97
	(Co-) Major Professor of the Student	
	Supervisory Committee Responsibilities .....	98
	Doctoral Committee .....	98
	Composition .....	98
	Member Definition.....	98
	Approval.....	98
	Changes to Committee .....	98
	Doctoral Comprehensive Qualifying Examination.....	99
	Admission to Candidacy.....	99
	Dissertation .....	99
	Format .....	99
	Directed Research .....	100
	Manuscript Processing Fee.....	100
	Dissertation Defense .....	100
	Outside Chair of the Defense.....	100
	Procedures for Conducting the Oral Defense.....	100
	Dissertation Final Submission Guidelines .....	101
	Mandatory Electronic Submission .....	101
	Changes after Publication.....	101
	Release of Dissertation Publications .....	101
	Duty to Disclose Inventions and Works.....	102
	Dissertation Change of Grade .....	102
	The Use of "Ph.D." in Credentials and Publication.....	102
Section 9	Graduation Information.....	103
	Application for Degree (Graduation).....	103
	Graduation Requirements .....	103
	Commencement .....	103
	Diplomas.....	103
	Letters of Certification.....	103
	Posthumous Degrees or Degrees in Memoriam.....	104
	Procedures for Award of Posthumous Degrees or	
	Degrees in Memoriam .....	104
	Transcripts .....	104
Section 10	Degrees and Concentrations .....	105
	Degree Programs and Concentrations Offered .....	106
	Accelerated Degree Programs .....	122
	Dual Degree Programs .....	124
Section 11	Graduate Certificates .....	125
	Certificates Offered .....	125



	Graduate Certificate Policies.....	126
	Process of Approval for New Graduate Certificates.....	126
	Criteria for Approval .....	126
	Student Eligibility and Admission Criteria.....	126
	Certificate Requirements .....	127
Section 12	School of Architecture and Community Design.....	128
	Architecture (M.Arch.) .....	130
Section 13	College of Arts and Sciences.....	133
	Aging Studies (Ph.D.) .....	136
	American Studies (M.A.) .....	138
	Anthropology (M.A.) .....	139
	Anthropology and Public Health (M.A./MPH) .....	140
	Anthropology and Public Health (Ph.D./MPH) .....	142
	Applied Anthropology (M.A.) .....	144
	Applied Anthropology (Ph.D.).....	146
	Audiology (M.S.) .....	148
	Audiology (Au.D.) .....	149
	Aural (Re) Habilitation (M.S.) .....	151
	Biology (M.S.) .....	152
	Biology (Ph.D.).....	155
	Chemistry (non-thesis option) (M.A.).....	159
	Chemistry (M.S.) .....	161
	Chemistry (Ph.D.) .....	163
	Classics: Latin/Greek (Co-Op w/UF) (M.A.).....	166
	Communication (M.A.).....	167
	Communication (Ph.D.) .....	168
	Communication Sciences and Disorders (Ph.D.) .....	169
	Criminology (M.A.) .....	171
	Criminology (Ph.D.) .....	173
	English (M.A.) .....	174
	English (Ph.D.).....	177
	Environmental Science and Policy (M.S.) .....	178
	Environmental Science and Policy and Geography (Ph.D.).....	180
	French (M.A.) .....	182
	Geography (M.A.).....	183
	Geography and Environmental Science and Policy (Ph.D.).....	186
	Geology (M.S.) .....	188
	Geology (Ph.D.).....	190
	Gerontology (M.A.) .....	192
	History (M.A.) .....	194
	Latin American, Caribbean and Latino Studies (M.A.) .....	196
	Liberal Arts (M.L.A.).....	198
	Library and Information Science (M.A.) .....	200
	Linguistics (M.A.).....	202
	Linguistics: English as a Second Language (ESL) (M.A.) .....	203
	Mass Communications (M.A.).....	204
	Mathematics (M.A.).....	205
	Mathematics (Ph.D.) .....	207
	Microbiology (M.S.) .....	210
	Philosophy (M.A.).....	213
	Philosophy (Ph.D.).....	215
	Physics (M.A.) .....	217
	Physics, Applied (Ph.D.).....	218
	Physics / Engineering Science (M.S.) .....	219

	Physics / Engineering Science (Ph.D.) .....	220
	Political Science (M.A.).....	221
	Psychology (M.A.).....	222
	Psychology (Ph.D.).....	223
	Public Administration (M.P.A.).....	226
	Rehabilitation and Mental Health Counseling (M.A.) .....	229
	Religious Studies (M.A.) .....	231
	Religious Studies / Education Dual Degree (M.A.).....	233
	Second Language Acquisition and Instructional Technology (Ph.D.).....	234
	Social Work (M.S.W.) .....	236
	Social Work (Ph.D.) .....	238
	Sociology (M.A.).....	240
	Spanish (M.A.).....	241
	Speech-Language Pathology (M.S.) .....	242
	Women’s Studies (M.A.).....	244
Section 14	College of Arts and Sciences at USF St. Petersburg .....	246
	Liberal Arts (M.L.A.): Florida Studies .....	248
	Mass Communications (M.A.): Journalism Studies .....	249
Section 15	College of Business Administration.....	251
	Accountancy (M.Acc.).....	254
	Business Administration (M.B.A.) .....	256
	Business Administration (Ph.D.) .....	258
	Business Administration (Saturday MBA) (M.B.A.).....	261
	Business Administration at Sarasota-Manatee (M.B.A.).....	262
	Business Economics (M.A.) .....	264
	Executive M.B.A. ....	265
	Executive M.B.A. for Physicians.....	267
	Management (M.S.).....	268
	Management Information Systems (M.S.).....	270
Section 16	College of Business Administration at USF St. Petersburg .....	272
	Business Administration (M.B.A.) .....	274
Section 17	College of Education.....	276
	Adult Education (M.A.).....	283
	Adult Education Concentration (M.Ed.).....	285
	Adult Education Concentration (Ed.S.) .....	286
	Adult Education Concentration (Ph.D.).....	288
	Adult Education Concentration (Ed.D.).....	290
	Business and Office Education (M.A.).....	293
	Business and Office Education Concentration (M.Ed.) .....	294
	Career and Technical Education (M.A.).....	295
	Career and Workforce Education (M.A.).....	297
	College Student Affairs Concentration (M.Ed.) .....	299
	College Teaching: Biology Concentration (M.A.).....	301
	College Teaching: Business Concentration (M.A.) .....	303
	College Teaching: Chemistry Concentration (M.A.).....	305
	College Teaching: Economics Concentration (M.A.).....	307
	College Teaching: Engineering Concentration (M.A.).....	309
	College Teaching: English Concentration (M.A.) .....	311
	College Teaching: French Concentration (M.A.) .....	313
	College Teaching: Geography Concentration (M.A.).....	315
	College Teaching: Geology Concentration (M.A.).....	316
	College Teaching: History Concentration (M.A.).....	318

College Teaching: Mathematics Concentration (M.A.) .....	320
College Teaching: Physics Concentration (M.A.).....	322
College Teaching: Political Science Concentration (M.A.) .....	324
College Teaching: Sociology Concentration (M.A.).....	326
College Teaching: Spanish Concentration (M.A.) .....	329
College Teaching: Speech Communication Concentration (M.A.).....	330
Counselor Education (M.A.).....	332
Counselor Education Concentration (Ed.S.) .....	334
Counselor Education Concentration (Ph.D.).....	335
Curriculum and Instruction (M.Ed.).....	337
Curriculum and Instruction (Ed.S.).....	338
Curriculum and Instruction (Ph.D.).....	339
Distributive and Marketing Education (M.A.).....	341
Distributive Education Concentration (M.Ed.) .....	342
Early Childhood Education (M.A.).....	343
Early Childhood Education Concentration (M.Ed.).....	344
Early Childhood Education Concentration (Ed.S.) .....	345
Early Childhood Education Concentration (Ph.D.).....	346
Educational Leadership (M.Ed.) .....	347
Educational Leadership (Ed.S.).....	349
Educational Leadership (Ed.D.).....	351
Educational Leadership: College Leadership Concentration (Ed.D.) .....	353
Educational Program Development (Ed.D.) .....	355
Elementary Education (M.A.).....	356
Elementary Education: Early Childhood Concentration (M.A.) .....	357
Elementary Education: Elementary Curriculum Concentration (M.A.).....	358
Elementary Education: Language Arts Concentration (M.A.).....	360
Elementary Education (M.A.T.).....	361
Elementary Education Concentration (M.Ed.).....	363
Elementary Education Concentration (Ed.S.) .....	364
Elementary Education Concentration (Ph.D.).....	365
Elementary Education Concentration (Ed.D.).....	366
English Education (M.A.).....	367
English Education (M.A.T.).....	368
English Education Concentration (M.Ed.) .....	369
English Education Concentration (Ph.D.).....	370
Foreign Language Education (M.A.) .....	371
Foreign Language Education: French Concentration (M.A.).....	373
Foreign Language Education: German Concentration (M.A.).....	375
Foreign Language Education: Spanish Concentration (M.A.) .....	377
Foreign Language Education (M.A.T.).....	378
Foreign Language Education Concentration (M.Ed.) .....	381
Higher Education, Administration Concentration (Ed.S.).....	382
Higher Education, Community College Teaching Concentration (Ed.S.).....	383
Higher Education, Administration Concentration (Ph.D.) .....	384
Higher Education, Community College Teaching Concentration (Ph.D.) .....	386
Human Resource Development Concentration (M.A.) .....	388
Industrial Arts – Technology Education Concentration (M.Ed.) .....	389
Instructional Technology Concentration (M.Ed.) .....	390
Instructional Technology Concentration (Ed.S.).....	391
Instructional Technology Concentration (Ph.D.) .....	393
Interdisciplinary Education Concentration (M.Ed).....	395
Interdisciplinary Education Concentration (Ed.S.) .....	396
Interdisciplinary Education Concentration (Ph.D.).....	398
Interdisciplinary Education, Second Language Acquisition Concentration (Ph.D.).....	400

Mathematics Education (M.A.).....	401
Mathematics Education:	
Middle Grades Mathematics (5-9) Concentration (M.A.T.).....	403
Mathematics Education Concentration (M.Ed.).....	405
Mathematics Education Concentration (Ed.S.).....	406
Mathematics Education Concentration (Ph.D.) .....	407
Measurement and Evaluation Concentration (M.Ed.).....	409
Measurement and Evaluation Concentration (Ed.S.).....	411
Measurement and Evaluation Concentration (Ph.D.) .....	414
Middle Grades Math Education (5-9) (M.A.T.).....	417
Middle School Education, English Education Concentration (M.Ed.) .....	419
Middle School Education, General Education Concentration (M.Ed.).....	420
Middle School Education, Mathematics Education Concentration (M.Ed.).....	421
Middle School Education, Science Education Concentration (M.Ed.) .....	422
Middle School Education, Social Studies Education Concentration (M.Ed.).....	423
Music Education Concentration (Ed.S.) .....	424
Music Education Concentration (Ph.D.).....	425
Physical Education (M.A.).....	426
Physical Education: Exercise Science Concentration (M.A.) .....	428
Reading Education (M.A.).....	429
Reading Education Concentration (M.Ed.).....	431
Reading-Language Arts Education Concentration (Ed.S.) .....	432
Reading-Language Arts Education Concentration (Ph.D.).....	433
School Psychology (M.A.).....	434
School Psychology Concentration (Ed.S.).....	435
School Psychology (Ph.D.).....	436
Science Education (M.A.).....	439
Science Education (M.A.T.) .....	441
Science Education, Biology Concentration (M.Ed.).....	442
Science Education, Chemistry Concentration (M.Ed.) .....	443
Science Education, Physics Concentration (M.Ed.).....	444
Science Education Concentration (Ed.S.).....	445
Science Education Concentration (Ph.D.).....	446
Second Language Acquisition and Instructional Technology (Ph.D.).....	447
Secondary Education Concentration (Ph.D.) .....	450
Secondary Math (6-12) (M.A.T.).....	452
Social Science Education (M.A.).....	453
Social Science Education (M.A.T.) .....	454
Social Science Education Concentration (M.Ed.).....	455
Special Education, Behavior Disorders (M.A.) .....	456
Special Education, Gifted (M.A.) .....	457
Special Education, Mental Retardation (M.A.).....	460
Special Education, Motor Disabilities (M.A.) .....	462
Special Education, Specific Learning Disabilities (M.A.).....	463
Special Education, Varying Exceptionalities (ESE) (M.A.) .....	465
Special Education, Varying Exceptionalities (ESE) (M.A.T.).....	467
Special Education, Behavior Disorders Concentration (M.Ed.) .....	469
Special Education, Gifted Concentration (M.Ed.) .....	470
Special Education, Mental Retardation Concentration (M.Ed.).....	471
Special Education, Motor Disabilities Concentration (M.Ed.) .....	472
Special Education, Specific Learning Disabilities Concentration (M.Ed.).....	473
Special Education Concentration (Ed.S.).....	474
Special Education Concentration (Ph.D.) .....	475
Special Education: Administration of Special Ed Concentration (Ed.D.) .....	477
Student Affairs Administration Concentration (Ph.D.).....	478
Theatre Education Concentration (M.Ed.).....	479

	Vocational Education Concentration (Ed.S.) .....	480
	Vocational Education Concentration (Ed.D.).....	481
Section 18	College of Education at USF St. Petersburg.....	482
	Educational Leadership (M.Ed.) .....	484
	Elementary Education: Science and Mathematics Concentration (M.A.) .....	486
	Elementary Education: Application Track: ESOL (Dual Track) (M.A.) .....	488
	Elementary Education: Application Track: Literacy/Curriculum (M.A.) .....	489
	English Education (M.A.) .....	490
	Reading Education (M.A.) .....	491
	Special Education, Varying Exceptionalities (M.A.) .....	493
	Special Education, Varying Exceptionalities (M.A.T.).....	494
Section 19	College of Engineering.....	496
	Biomedical Engineering (M.S.B.E.) .....	503
	Biomedical Engineering (M.S.E.S.).....	504
	Biomedical Engineering (Ph.D.) .....	505
	Chemical Engineering (M.Ch.E.).....	507
	Chemical Engineering (M.E.) .....	508
	Chemical Engineering (M.S.Ch.).....	509
	Chemical Engineering (M.S.E.S.).....	510
	Chemical Engineering (Ph.D.) .....	511
	Civil Engineering (M.C.E.).....	512
	Civil Engineering (M.E.) .....	513
	Civil Engineering (M.S.C.E.).....	514
	Civil Engineering (M.S.E.S.) .....	515
	Civil Engineering (Ph.D.) .....	516
	Computer Engineering (M.C.P.) .....	517
	Computer Engineering (M.E.).....	518
	Computer Engineering (M.S.C.P.).....	520
	Computer Engineering (M.S.E.S.) .....	522
	Computer Science (M.S.C.S.) .....	523
	Computer Science (M.E.).....	525
	Computer Science (M.C.S.) .....	526
	Computer Science (M.S.E.S.) .....	527
	Computer Science and Engineering (Ph.D.) .....	528
	Electrical Engineering (M.E.) .....	530
	Electrical Engineering (M.E.E.).....	531
	Electrical Engineering (M.S.E.E.).....	532
	Electrical Engineering (M.S.E.S.).....	533
	Electrical Engineering (Ph.D.) .....	534
	Engineering (Post-Baccalaureate) (M.S.E.) .....	535
	Engineering Management (M.S.E.M.).....	536
	Engineering Management (M.S.E.S.) .....	537
	Engineering Science (Five-Year) (M.S.E.S.).....	538
	Engineering Science (Ph.D.).....	539
	Engineering Science/Physics (M.S.).....	540
	Engineering Science/Physics (Ph.D.).....	541
	Environmental Engineering (M.E.).....	542
	Environmental Engineering (M.E.V.E.).....	543
	Environmental Engineering (M.S.E.S.) .....	544
	Environmental Engineering (M.S.E.V.).....	545
	Industrial Engineering (M.E.) .....	546
	Industrial Engineering (M.I.E.).....	547
	Industrial Engineering (M.S.E.S.).....	548
	Industrial Engineering (M.S.I.E.).....	549

	Industrial Engineering (Ph.D.).....	550
	Mechanical Engineering (M.E.).....	551
	Mechanical Engineering (M.M.E.).....	552
	Mechanical Engineering (M.S.E.S.).....	553
	Mechanical Engineering (M.S.M.E.).....	554
	Mechanical Engineering (Ph.D.).....	555
Section 20	College of Marine Science.....	556
	Marine Science (M.S.).....	559
	Marine Science (Ph.D.).....	561
Section 21	College of Medicine.....	563
	Bioethics and Medical Humanities (M.A.B.M.H.).....	566
	Bioinformatics and Computational Biology (M.S.B.C.B.).....	567
	Medical Sciences (M.S.M.S.).....	568
	Medical Sciences (Ph.D.).....	569
	Physical Therapy (M.S.P.T.).....	570
	Physical Therapy (D.P.T.).....	573
	Physical Therapy (D.P.T.) / Public Health (M.P.H.) Dual Degree Program.....	574
Section 22	College of Nursing.....	576
	Nursing (M.S.).....	580
	Nursing Science (Ph.D.).....	584
	Nursing Practice (D.N.P.).....	587
Section 23	College of Public Health.....	589
	Health Administration (MHA).....	594
	Public Health (MPH).....	596
	Public Health (MSPH).....	597
	Public Health (Ph.D.).....	601
Section 24	College of Visual and Performing Arts.....	604
	Art (M.F.A.).....	607
	Art History (M.A.).....	611
	Dramatic Writing (M.F.A.).....	613
	Music (M.M.).....	614
	Music (Ph.D.).....	619
	Music Education (M.A.).....	622
Section 25	Interdisciplinary Programs.....	625
	Applied Behavior Analysis (M.A.).....	627
	Cancer Biology (Ph.D.).....	628
	Entrepreneurship in Applied Technologies (M.A.).....	630
	Second Language Acquisition and Instructional Technology (Ph.D.).....	632
Section 26	Accelerated Degree Programs (combined BA/MA).....	634
Section 27	Dual Degree Programs.....	636
Section 28	Graduate Courses.....	637
Section 29	Appendix: Graduate Course Descriptions.....	640
Section 30	Index.....	908

## Section 1 Welcome to Graduate School!

---



### A MESSAGE FROM THE PRESIDENT

Thank you for your interest in graduate education at the University of South Florida.

USF is a top-tier, metropolitan research university, distinguished by our excellent research and graduate education and our location in a major urban region that is among the nation's most diverse and encompasses some of the world's most prized marine and land environments.

This is an exciting time to be at USF as the university celebrates the 50<sup>th</sup> anniversary of its founding. From its origins as a small liberal arts school on the outskirts of Tampa, USF has developed into one of the nation's fastest growing research universities. During those 50 years, USF has built a strong foundation to ensure our current students' success.

USF programs that are recognized as being among the nation's best include Marine Science, Psychology, Accounting, Applied Anthropology and Biochemistry. Strong interdisciplinary programs put USF on the leading edge of research and graduate education in a number of areas. For example, collaboration of researchers throughout the institution has made USF a leader in the neuroscience of aging. USF's interdisciplinary doctoral program in Aging Studies was the first in the country. The doctoral program in Cancer Biology joins USF research capacity with the strengths of the nationally recognized H. Lee Moffitt Cancer Center and Research Institute.

In addition to doctoral programs, USF offers many opportunities for postgraduate study through our many Master's and Certificate programs, many of which are designed to prepare graduates to make immediate contributions to the economic, cultural and social vitality of communities. Our commitment to diversity, discovery and application of knowledge that is relevant to development of urban communities has resulted in USF being frequently cited as the model for an "engaged university."

The opportunities for graduate education at USF are vast. In many areas, USF offers programs that are unsurpassed in their capacity to prepare you to make your best contribution to a challenging world.

I invite you to inquire further about USF programs of interest to you.

Sincerely yours,

*Judy Genshaft*, Ph.D.

President

Office of the President - <http://isis.fastmail.usf.edu/president/index.html>



**A MESSAGE FROM THE ASSOCIATE PROVOST FOR RESEARCH AND  
DEAN OF THE GRADUATE SCHOOL**

I am delighted that you have expressed an interest in graduate education at the University of South Florida. We are committed to providing an excellent learning environment within which each and every graduate student can plan his or her career path. With top quality graduate programs, focused mentoring, and outstanding faculty and facilities, all in a metropolitan setting, we offer you the opportunity to personally and professionally excel. USF is celebrating our 50th anniversary in 2006, and at this special time in our history, we celebrate the successes of those former students who have earned more than 45,000 masters degrees and almost 3,000 doctoral degrees. While this bit of history demonstrates what we have done, we are truly excited about the future of graduate education at USF. In fact, the university is committed to continuing to build the graduate experience, with an emphasis on growth and relevance for a sustainable future for our region, our state, our nation and our planet.

We know that the selection of a Graduate School will affect the rest of your professional life, and as you make your decisions for the immediate future, we at the University of South Florida believe that you would do well to consider our University of South Florida system, which offers over 100 master's degrees and nearly 40 doctoral programs. In our continuous efforts to meet the needs of the communities we serve, we offer full degree programs both at our Tampa campus and at our regional campuses in St. Petersburg, Sarasota, and Lakeland as well as at other sites in the greater Tampa Bay area. Our tuition, among the lowest in the country, provides affordability; plus we also offer a number of financial aid and work-study options. We recognize that many graduate students have very different responsibilities and needs, and so many of our programs offer flexible day, evening, and weekend classes.

The University of South Florida is a national research university with a strong desire and commitment to educate future generations of teachers, scholars, researchers, and professional leaders. We hope you will consider how we can help you to successfully create you own path to the future. Please accept my personal invitation to learn more about our graduate programs by contacting the Graduate School.

*Delcie Durham, Ph.D.*

Associate Provost for Research and Dean of the Graduate School  
[www.grad.usf.edu](http://www.grad.usf.edu)



## Section 2

# USF: A Multi-Campus National Research Institution

---

### USF Mission, Goals, Values, Vision, Accreditation

USF Strategic Plan: <http://www.ie.usf.edu/StrategicPlan/strategies.asp>

#### USF Mission

The University of South Florida is a multi-campus national research university that supports the development of the metropolitan Tampa Bay Region, Florida, the United States and the world. Building upon unique strengths inherent in Florida's population, location, and natural resources, the university is dedicated to excellence in:

- Teaching and lifelong learning in a student-centered environment
- Research to advance knowledge and promote social, cultural, economic, educational, health, and technological development
- Service based on academic excellence and the ethic of community responsibility
- Community engagement to build university-community partnerships and collaborations

#### Goals

The University of South Florida will continue to expand its influence as a premier research university through:

- Strengthened research, creative, and scholarly endeavors
- Improved undergraduate and graduate academic programs that promote intellectual development and student success through a diverse, student-centered environment
- Engaged service that strengthens cultural and community life, and promotes lifelong learning and economic opportunity
- Increased fiscal self-sufficiency and appropriate state support

#### Values

The University of South Florida values:

- Teaching, research and service based on the highest standards of discovery, creativity, and intellectual attainment

- Development of the personal and professional potential of students, faculty, and staff, and enriching the quality of campus life
- An ethic of collegiality based on integrity, civility, academic freedom, professional responsibility, and collaboration among disciplines and units
- Access to an excellent education
- University/community engagement that increases the understanding of urban issues and advances community development
- Cultural and ethnic diversity and global understanding

#### Vision

The University of South Florida envisions itself as a premier national research university that serves the metropolitan Tampa Bay Region, Florida, and the nation through:

- Excellent undergraduate and graduate instruction in a student-centered environment
- Creative, innovative, engaged scholarly endeavors, and the furthering of advanced knowledge
- Education that promotes freedom, unity, democracy, and understanding in the presence of our Nation's historical diversity
- Generation and dissemination of knowledge to strengthen our society and the environment
- Greater fiscal self-reliance.

#### Accreditation

The University of South Florida is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; telephone 404-679-4500) to award degrees at the baccalaureate, master's, specialist, and doctoral levels, including the Doctor of Medicine.

## University Administration

### University Board of Trustees

The USF Board of Trustees was established by the Legislature in 2001. The 13 trustees include distinguished figure in the law, commerce, medicine, education, philanthropy and public policy leadership. Six trustees are appointed by the governor and five trustees are appointed by the Board of Governors. The Faculty Senate President and Student Body President also serve as trustees. The President of the University serves as Corporate Secretary. Information about each Trustee is available online at: <http://usfweb2.usf.edu/board/members.html>

### Board of Trustees:

Lee E. Arnold, Jr.  
Richard A. Beard, III  
Margarita R. Cancio, MD  
Sonja C. Garcia  
Susan Greenbaum, Ph.D.  
Rhea F. Law  
Kiran C. Patel, MD

John B. Ramil  
Debbie Nye Sembler  
Jan E. Smith  
Robert L. Soran  
Sherrill Tomasino  
Frank Harrison

### President:

Judy Genshaft, Ph.D.

### Provost:

Renu Khator, Ph.D.

### Associate Provost for Research and Dean of the Graduate School:

Delcie Durham, Ph.D.

### Associate Dean of the Graduate School:

Brent Weisman, Ph.D.

### Interim Assistant Dean for Diverse Student Success:

Joan Holmes, Ph.D.

### College Graduate Program Coordinators:

School of Architecture and Community Design  
College of Arts and Sciences  
College of Business Administration  
College of Education  
College of Engineering  
College of Marine Science  
College of Medicine  
College of Nursing  
College of Public Health  
College of Visual and Performing Arts  
Graduate School

Daniel Powers, M.Arch.  
Bruce Cochrane, Ph.D.  
Richard Meyer, Ph.D.  
Diane Briscoe, Ph.D.  
Rafael Perez, Ph.D.  
Ted Van Vleet, Ph.D.  
Michael Barber, Ph.D.  
Mary Webb, Ph.D.  
Karen Liller, Ph.D.  
Barton Lee  
Delcie Durham, Ph.D.

## Regional Campuses

The University of South Florida has four regional campuses: Tampa, Lakeland, Sarasota, and St. Petersburg. Contact information for each campus is below.

### Tampa Campus

4202 E. Fowler Avenue  
Tampa, FL 33620  
(813) 974-2011  
Website: [www.usf.edu](http://www.usf.edu)

### Lakeland Campus

3433 Winter Lake Road  
Lakeland, FL 33803  
(863) 667-7000  
Website: [www.lklnd.usf.edu](http://www.lklnd.usf.edu)

### Sarasota Campus

5700 N. Tamiami Trail  
Sarasota, FL 34243-2197  
(941) 359-4200  
Website: [www.sar.usf.edu](http://www.sar.usf.edu)

### St. Petersburg Campus

140 Seventh Avenue S.  
St. Petersburg, FL 33701  
(727) 553-1142  
Website: [www.stpt.usf.edu](http://www.stpt.usf.edu)

## Contact Information

Graduate School	Phone Number
<b>Main Line</b>	<b>(813) 974-2846</b>
<b>Admissions</b>	<b>(813) 974-8800</b>
<b>Graduate School Administration</b>	
Dr. Delcie Durham, Associate Provost for Research and Dean of the Graduate School	(813) 974-7359
Eric Andersson, Administrative Assistant to the Dean	(813) 974-7359
<b>Sr. Staff</b>	
Francisco Vera, Director of Graduate Admissions	(813) 974-2846
Mildred Howard, Accounting	(813) 974-8356
Joseph Butts, Sr. Systems Administrator	(813) 974-3586
<b>Graduate School Academic Affairs</b>	
Dr. Brent Weisman, Associate Dean	(813) 974-7161
Brenda Hunter, Administrative Assistant to the Associate Dean	(813) 974-2910
<b>Sr. Staff</b>	
Carol Hines-Cobb, Academic Affairs	(813) 974-4239
Rod Hale, Multicultural Programs	(813) 974-3412
Theresa Collins, Marketing & Recruiting	(813) 974-7796
<b>Graduate School Diversity Programs</b>	
Dr. Joan Holmes, Interim Assistant Dean for Diverse Student Success	(813) 974-6363
Rosalynne Miller, Office Manager	(813) 974-7935
<b>Graduate Certificates</b>	
Dr. Lagretta Lenker, Director	(813) 974-2442
Stephanie Shreve, Office Manager	(813) 974-2442

Campus Contact Information	Phone Number
Campus Residence Halls	(813) 974-4310
Child Care	(813) 974-5142
Disabled Student Services	(813) 974-4309
Financial Aid	(813) 974-4700
Graduate and Professional Student Council (GPSC)	(813) 974-6939
International Admissions	(813) 974-5102
Library Resources-Information	(813) 974-2729
Student Employment and Career Resource Center	(813) 974-2171
Registration and Records	(813) 974-2000
Student Government	(813) 974-2401
Veterans Services	(813) 974-2291

## Academic Calendar August 2006-July 2007

The Academic Calendar is available online at: <http://www.registrar.usf.edu/enroll/regist/calendt.php#0607>

The Registrar's Calendar is available online at:

[http://www.registrar.usf.edu/display\\_link.php?page\\_key2=iVOrXwaVehr47Dnr8IcWITMYNQ&link\\_type=Forms&link=%2Fforms%2FCalendar2003-08-06\\_8\\_55\\_34.pdf](http://www.registrar.usf.edu/display_link.php?page_key2=iVOrXwaVehr47Dnr8IcWITMYNQ&link_type=Forms&link=%2Fforms%2FCalendar2003-08-06_8_55_34.pdf) for semester begin/end dates, registration dates, graduation application deadlines, etc.

Graduate School Deadlines are available online at: [http://www.grad.usf.edu/manuscriptdeadlines\\_new.asp](http://www.grad.usf.edu/manuscriptdeadlines_new.asp)

August 11 - Friday	Summer B, last day of classes
August 12 - Saturday	Summer Commencement, Tampa
August 28 - Monday	<b>Fall, first day of classes</b>
September 4 - Monday	Labor Day Holiday
September 23 - Saturday	Rosh Hashanah
October 2 - Monday	Yom Kippur
November 10 - Friday	Veteran's Day Holiday
November 23 & 24	Thanksgiving Holiday
December 8 - Friday	Fall, last day of classes
December 9 - 15	Final Exam Week
December 16 - Saturday	Fall, Tampa Commencement
December 25 - Monday	Christmas Holiday
<b>2007</b>	
January 1 - Monday	New Year's Holiday
January 8 - Monday	<b>Spring, first day of classes</b>
January 15 - Monday	Martin Luther King, Jr. Holiday
March 12 - 17	USF Spring Break
April 27 - Friday	Spring, last day of classes
April 28 - May 4	Spring Final Exams
May 5 - Saturday	Spring Commencement, Tampa
May 14 - Monday	<b>Summer A &amp; C, first day of classes</b>
May 28 - Monday	Memorial Day Holiday
June 22 - Friday	Summer A, last day of classes
July 2 - Monday	Summer B, first day of classes
July 4 - Wednesday	Independence Day Holiday
July 20 - Friday	Summer C, last day of classes
Aug 10 - Friday	Summer B, last day of classes
Aug 11 - Saturday	Summer, Tampa Commencement

## Section 3

### Graduate Faculty and Research Interests

The following lists graduate faculty and research interests. The list is organized alphabetically by College, then by program, then by faculty name. Some faculty have courtesy appointments in other departments, so they may be listed more than once.

#### School of Architecture and Community Design

Name	Degree	Institution, year	Level	Research Interests
<b>Baek, Jin</b>	Ph.D.	University of Pennsylvania, 2004	Assistant Professor	Asian and Western Contemporary Architecture
<b>Cooke, Steven</b>	M. Arch	Virginia Polytechnic University, 1981	Associate Professor	Design Ethics
<b>Dulaney, Ronald</b>	M. Arch	Virginia Polytechnic University, 1997	Assistant Professor	Vernacular Architecture
<b>Estrada, Vanessa</b>	M. Arch	University of South Florida, 2002	Visiting Instructor	Contemporary Latin American Architecture
<b>Green, Theodore Trent</b>	M. Arch	Harvard University, 1986	Associate Professor	Community Planning
<b>Halfants, Michael</b>	M. Arch	University of Florida, 1998	Assistant Professor	Tropical Architecture
<b>Hight, Charles C.</b>	B. Arch.	Auburn University	Full Professor	Architecture and Technology Theory
<b>Perez, Santiago</b>	M. Arch	Harvard University, 1991	Assistant Professor	Digital Fabrication
<b>Powers, Daniel</b>	M. Arch	University of Florida, 1974	Associate Professor	History

**College of Arts and Sciences**

Name	Degree	Institution, year	Level	Research Interests
<b>AGING STUDIES</b> – Contact the program for information.				
<b>AMERICAN STUDIES</b> – See Humanities/American Studies				
<b>ANTHROPOLOGY</b>				
<b>Angrosino, Michael</b>	Ph.D.	University of North Carolina at Chapel Hill, 1972	Professor	Mental Health, Caribbean and Contemporary U.S.
<b>Baer, Roberta</b>	Ph.D.	University of Arizona, Tucson, 1984	Professor	Nutritional and Medical Anthropology, Ethno pharmacology, International development, Latin America and Contemporary U.S.
<b>Bird, Elizabeth</b>	Ph.D.	University of Strathclyde, U.K., 1980	Professor and Chair	Popular culture, Media; North American Indian and Visual Anthropology
<b>Borman, Kathryn</b>	Ph.D.	University of Minnesota, 1976	Professor	Educational Anthropology, Urban/Schools communities and Evaluation; Appalachia
<b>Collins, Lori</b>	MA	USF, 2002	Visiting Instructor	Southern Archaeology, Global Positioning Systems and Geographic Information Systems
<b>Davis-Salazar, Karla</b>	Ph.D.	Harvard University, 2001	Assistant Professor	Anthropological Archaeology, complex societies, human-environment interaction, water management, Gender, Mortuary ritual, ceramics, Maya, Mesoamerica and Central America
<b>Greenbaum, Susan</b>	Ph.D.	University of Kansas, 1981	Professor	Community Development, Urban Ethnicity, Native American Policies, Social Networks, Neighborhood revitalization and Ethno history
<b>Himmelgreen, David</b>	Ph.D.	SUNY, 1994	Associate Professor	Biological Anthropology, Nutrition, Maternal and Child health, HIV/AIDS, Southern Africa, India and Inner-City U.S.
<b>Jackson, Antoinette</b>	Ph.D.		Assistant Professor	Cultural and Historical Anthropology, ethnography, applied anthropology, plantation communities and heritage resource studies; American , African American, African Diaspora culture and U.S. and Caribbean
<b>Madrigal, Lorena</b>	Ph.D.	University of Kansas, 1988	Professor	Genetics, sickle-cell anemia, Human fertility, natural selecting and living populations and Costa Rica
<b>Messing, Jacqueline</b>	Ph.D.	University of Arizona, 2003	Assistant Professor	Linguistic Anthropology, Sociolinguistics, Multilingualism, Discourse Analysis, Language Shift, Language ideology, Identity, Applied Linguistics, Language and Power , Tran nationalism, Nahuatl/Mexicano, Mexico, Latin America, U.S.

Name	Degree	Institution, year	Level	Research Interests
<b>Napora, John</b>	Ph.D.	University of Virginia, 1998	Instructor	Sociocultural Anthropology, Economic Anthropology, Social Stratification, symbolic Anthropology, Anthropology of the Person, Religion and Ritual, Islam, the middle East and North Africa, Morocco, American Popular Culture
<b>Patil, Crystal</b>	Ph.D.		Assistant Professor	Biocultural anthropology, behavioral ecology of reproduction, breastfeeding, and weaning, psychosocial health, gender-based violence, applications to public health and policy, East Africa and African Refugees in the US
<b>Purcell, Trevor</b>	Ph.D.	Johns Hopkins University, 1982	Professor and Chair of Africana Studies	Caribbean/Central American Societies, African American Culture, Social Theory/Inequality, Political Economy, Indigenous Knowledge, Costa Rica, Jamaica
<b>Romero-Daza, Nancy</b>	Ph.D.	SUNY, 1994	Associate Professor	Medical Anthropology, HIV/AIDS, Women's Health, Drug Addiction, Southern Africa
<b>Tykot, Robert</b>	Ph.D.	Harvard University, 1995	Associate Professor	Archaeological Science, Mediterranean Prehistory, Old World Archaeology, Ancient Diets around the world, Bone chemistry, Exchange Studies, Obsidian, Marble and Sardinia
<b>Ward, Beverly</b>	Ph.D.	USF, 2000	Visiting Sr. Research Associate	Cultural Anthropology and Urban Ethnicity
<b>Weisman, Brent</b>	Ph.D.	University of Florida, 1987	Professor	Historical and Public Archaeology, Oral History, Culture Contact and Native Americans
<b>Wells, Christian</b>	Ph.D.	Arizona State University, 2003	Assistant Professor	Archaeology of Mesoamerica and the American Southwest, complex societies, Political and Ritual Economy, Ceramic and Soil Analysis and quantitative Methods
<b>White, Nancy</b>	Ph.D.	Case Western Reserve University, 1982	Professor	New World Prehistory, CRM, Public Archaeology, Gender, Eastern U.S. Archaeology And Theory
<b>Whiteford, Linda</b>	Ph.D.	Wisconsin-Milwaukee, 1979	Professor	Medical, Applied Anthropology, Public Health, Health Care delivery; reproduction; Caribbean and Latin America
<b>Yelvington, Kevin</b>	Ph.D.	University of Sussex, 1991	Associate Professor	Social Anthropology, Ethnicity, Class and Gender, Work and Class, Development Studies, Historical Approaches, Latin America, Caribbean and U.S.
<b>BIOLOGY</b>				
<b>Arendash, Gary</b>	Ph.D.	University of California, 1978	Professor	Neuroscience
<b>Bell, Susan</b>	Ph.D.	University of South Carolina, 1979	Professor	Marine Ecology

Name	Degree	Institution, year	Level	Research Interests
<b>Cochrane, Bruce</b>	Ph.D.	Indiana University, 1979	Professor	Evolutionary Genetics
<b>Dao, My Lien</b>	Ph.D.	University of Ok Health Sciences, 1978	Associate Professor	Molecular Microbiology/Immunology
<b>Deban, Stephen</b>	Ph.D.	University of California, Berkley, 1997	Assistant Professor	Physiology, Biomechanics and Evolution
<b>Essign, Frederick</b>	Ph.D.	Cornell University, 1975	Associate Professor	Plant Systematics
<b>Fox, Gordon</b>	Ph.D.	University of Arizona, 1989	Assistant Professor	Plant ecology, conservation biology, population biology
<b>Garey, James</b>	Ph.D.	University of Texas, Austin, 1987	Associate Professor	Molecular Evolutionary Genetics
<b>Harwood, Valerie</b>	Ph.D.	Old Dominion University/East Virginia Medical School, 1992	Associate Professor	Water quality microbiology and microbial ecology
<b>Lawrence, John</b>	Ph.D.	Stanford University, 1966	Professor	Marine ecology and Physiology
<b>Lim, Daniel</b>	Ph.D.	Texas A&M, 1973	Professor	Pathogenic Microbiology
<b>Livingston, Brian</b>	Ph.D.	University of California, Santa Barbara, 1987	Associate Professor	Developmental Biology, Molecular Evolution
<b>McCoy, Earl</b>	Ph.D.	Florida State University, 1977	Professor	Conservation Ecology
<b>Moore, Jessica</b>	Ph.D.	University of Texas, Austin, 1994	Assistant Professor	Developmental Genetics
<b>Motta, Philip</b>	Ph.D.	University of Hawaii, 1980	Professor	Functional Morphology
<b>Mushinsky, Henry</b>	Ph.D.	Clemson University, 1973	Professor	Herpetology
<b>Pierce, Sidney</b>	Ph.D.	Florida State University, 1970	Professor and Chair	Cellular Physiology and Biochemistry



Name	Degree	Institution, year	Level	Research Interests
<b>Pollenz, Richard</b>	Ph.D.	Northwestern University, Chicago, 1991	Associate Professor	Environmental Molecular Toxicology, Cell Biology
<b>Romeo, John</b>	Ph.D.	University of Texas, Austin, 1973	Professor	Chemical Ecology
<b>Sarno, Ronald</b>	Ph.D.	Iowa State University, 1997	Assistant Professor	Evolutionary Biology, Behavioral Ecology and Conservation Biology
<b>Schmidt, Kristina</b>	Ph.D.	University of Edinburg, UK, 1999	Assistant Professor	Genetics
<b>Scott, Kathleen</b>	Ph.D.	Penn State University at University Park, 1998	Assistant Professor	Microbial physiology and biogeochemistry
<b>Stiling, Peter</b>	Ph.D.	University College, Cardiff, UK, 1979	Professor	Ecology
<b>TeStrake, Diane</b>	Ph.D.	Duke University, 1963	Professor	Mycology and Microbiology
<b>Thomas, Florence</b>	Ph.D.	University of California Berkeley, 1992	Professor	Marine Ecology/Biomechanics
<b>Wunderlin, Richard</b>	Ph.D.	St. Louis University, 1973	Professor	Plant Systematics
<b>CHEMISTRY</b> – Contact program for information				
<b>COMMUNICATION SCIENCES AND DISORDERS</b>				
<b>Bahr, Ruth</b>	Ph.D.	University of Florida, 1987	Associate Professor	Speech production in children and adults; Prosody; Speech planning; Phonological Awareness; Forensic Phonetics; Bilingualism
<b>Bess, Lily</b>	M.A.	New York University	Instructor	
<b>Blake-Rahter, Patricia</b>	Ph.D.	Vanderbilt University, 1997	Clinical Instructor	Aural Rehabilitation for Children and Adults; Educational Audiology; FM & Classroom Acoustics; Assistive Listening Technology; Cochlear Implant Rehabilitation; Deaf Education
<b>Carr, Patricia</b>	Au.D.	University of South Florida, 2001	Clinical Instructor	Clinical Audiology; Central Auditory Processing

Name	Degree	Institution, year	Level	Research Interests
<b>Champion, Tempii</b>	Ph.D.	University of Massachusetts 1995	Associate Professor	Child Language; Narrative Production; African American English; Multicultural Issues in Speech-Language Pathology
<b>Hnath Chisolm, Theresa</b>	Ph.D.	Graduate School of the City University of New York, 1987	Department Chair, Professor	Aural Rehabilitation; Speech Perception and Sensorineural Hearing Loss; Sensory Aids for the Hearing Impaired
<b>Clements, William "Bo"</b>	M.A.	Florida State University	Instructor	
<b>Constantine, Joseph</b>	Ph.D.	University of South Florida, 2004	Instructor	
<b>Crain, Kelly</b>	Ph.D.	Gallaudet, 2003	Assistant Professor	Deaf Education
<b>Diehl, Sylvia</b>	Ph.D.	University of South Florida, 1991	Clinical Instructor	Autism Spectrum Disorder
<b>Donaldson, Gail</b>	Ph.D.	University of Virginia, 1990	Assistant Professor, Audiology Graduate Admissions Officer	Cochlear Implants
<b>Fernandez, Carol</b>	Ed.S.	University of South Florida, 1986	Clinical Instructor, Speech Pathology Clinic Director	Child Language; Literacy
<b>Ford, Carolyn</b>	Ed.D.	University of South Florida, 1996	Clinical Instructor	Child Language; Preschool Language; Phonology; Apraxia; Literacy
<b>Freeman-LeVay, Darla</b>	M.A.	Ohio State University, 1992	Clinical Instructor	Voice Rehabilitation; Adult Neurogenic Communication Disorders; Accent Modification
<b>Frisch, Stefan</b>	Ph.D.	Northwestern University, 1996	Assistant Professor, Interim Ph.D. Program Director	Speech Production & Perception; Metalinguistic Knowledge; Modeling
<b>Graham, Sandra</b>	Ph.D.	University of South Florida, 1998	Clinical Instructor	Supervision; School Age Language
<b>Guilford, Arthur</b>	Ph.D.	University of Michigan, 1970	Professor	Neurogenic Communication Disorders; Dysphagia.
<b>Hinckley, Jacqueline</b>	Ph.D.	Michigan State University, 1999	Associate Professor	Neurogenic Communication Disorders

Name	Degree	Institution, year	Level	Research Interests
<b>Howland, Denise</b>	M.S.	University of South Florida, 1985	Instructor	Medically Fragile Pediatrics
<b>Hurley, Raymond</b>	Ph.D.	University of Michigan, 1976	Associate Professor	Hearing Science; Evoked Potentials; Otoacoustic Emissions; Medical Audiology
<b>Krause, Jean</b>	Ph.D.	Mass Institute of Technology, 2001	Assistant Professor	Deafness and Communication; Educational Interpreting/Transliterating; Speech Perception and Sensorineural Loss
<b>Laughlin, Veronica</b>	M.S.	Louisiana State University, 1982	Clinical Instructor, Undergraduate Program Director	Aural Rehabilitation; Language Disorders Children
<b>Lister, Jennifer</b>	Ph.D.	University of South Alabama, 1999	Associate Professor, Audiology Graduate Program Director	Temporal Processing; Aging; Speech Perception in Reverberation and Noise
<b>Maxfield, Nathan</b>		Graduate School, City University of New York 2005		Neuromotor Speech Disorders; Fluency; Evoked Potentials
<b>Pashek, Gail</b>	Ph.D.	University of Pittsburgh, 1995	Assistant Professor	Aging; Dementia; Traumatic Brain Injury; Adult Neurogenics
<b>Patterson, Nancy</b>	Au.D.	University of South Florida, 2001	Clinical Instructor	Educational Audiology; Aural Rehabilitation Children and Adults; Cochlear Implant Rehabilitation; Assistive Technology
<b>Paul, Cheryl</b>	M.S.	University of South Florida, 1990	Clinical Instructor	Adult Neurogenics
<b>Richardson, Karen</b>	Au.D.	University of South Florida, 2001	Clinical Instructor, Audiology Externship Coordinator	Electrophysiology; Amplification; Administration and Supervision
<b>Rogers, Catherine</b>	Ph.D.	Indiana University, 1997	Associate Professor	Foreign Accent; Speech Technology; Speech Perception & Production
<b>Silliman, Elaine</b>	Ph.D.	City University of New York, 1976	Professor	Child Language; Oral Language-Literacy; Bilingualism; Discourse Analysis; Prosody
<b>Surrency, Steven</b>	M.A.	University of South Florida, 2005	Coordinator, Interpreter Training Program	Oppressed Languages; the Semantics/Syntactic Interface and the Transfer of Meaning Between Languages(Semantics in Translation)

Name	Degree	Institution, year	Level	Research Interests
Zelski, Robert	Au.D.	University of South Florida, 2000	Clinical Instructor	Amplification; Business and Practice Management; Ethics
<b>CRIMINOLOGY</b>				
Beauregard, Eric	Ph.D.	University of Montreal, 2005	Asst. Professor	Sex offenders, Offending process, Psychological & geographic profiling
Blount, William	Ph.D.	George Peabody College for Teachers, 1969	Professor	Evaluation research, Addictions, Law Enforcement
Bromley, Max	Ed.D.	Nova University, 1992	Assoc. Professor	Campus crime and policing, Community policing, Police administration
Cochran, John	Ph.D.	University of Florida , 1987	Professor	Capital punishment, Criminological theory
Cuadrado, Mary	Ph.D.	The Graduate Center-CUNY, 1997	Assoc. Professor USF Sarasota	Addictions; Deviance & ethnicity (Hispanics); Women in CJ
Dembo, Richard	Ph.D.	New York University, 1970	Professor	Interventions for at-risk youths, Drug use, Juvenile justice/delinquency
Fridell, Lorie	Ph.D.	University of California, Irvine, 1987	Assoc. Professor	Police use of force, Violence against police, Racial profiling
Heide, Kathleen	Ph.D.	The University at Albany, 1982	Professor	Parricide, Juvenile homicide, Child abuse, Treatment of offenders & victims
Jones, Shayne	Ph.D.	University of Kentucky, 2003	Asst. Professor	Social psychology of antisocial behav., Psychopathy, Life-course criminology
Lersch, Kim	Ph.D.	University of Florida, 1995	Assoc. Professor USF Lakeland	Police deviance, Neighborhoods and crime, Crime mapping
Lynch, Michael	Ph.D.	The University at Albany, 1988	Professor	Environmental crime & regulation, Class, race & crime, Corporate crime
Mieczkowski, Thomas	Ph.D.	Wayne State University, 1985	Professor	Drug epidemiology, distribution systems, and testing technology
Palacios, Wilson	Ph.D.	University of Miami, 1996	Assoc. Professor	Drug use/abuse, Latino/a criminality

Name	Degree	Institution, year	Level	Research Interests
<b>Sellers, Christine</b>	Ph.D.	University of Florida, 1987	Assoc. Professor	Criminological theory, Intimate partner violence, Juv. delinquency
<b>Smith, Dwayne</b>	Ph.D.	Duke University, 1980	Professor	Homicide, Capital Punishment
<b>Sullivan, Christopher</b>	Ph.D.	Rutgers University, 2005	Asst. Professor	Developmental Criminology; Crime, drugs, & mental health
<b>ENGLISH</b> – Contact program for information				
<b>ENVIRONMENTAL SCIENCE AND POLICY</b> - <i>Contact program for information</i>				
<b>GEOGRAPHY</b>				
<b>Archer, Kevin</b>	Ph.D..	John Hopkins, Baltimore MD 1990	Associate Professor	Urban Geography, Political Geography, Social Theory
<b>Basu, Pratyusha</b>	Ph.D..	University of Iowa, Iowa City, Iowa 2003	Assistant Professor	Rural Economies, Environmental Movements, Gender Issues
<b>Bosman, Martin</b>	Ph.D..	University of Kentucky, Lexington, KY 1999	Assistant Professor	History and Philosophy of Geographic Thought, Global City Formation
<b>Brinkmann, Robert</b>	Ph.D..	University of Wisconsin-Milwaukee, Milwaukee, WI 1989	Full Professor	Human alteration of soils, sediments, and water; karst geomorphology
<b>Chakraborty, Jayajit</b>	Ph.D..	University of Iowa, Iowa City, Iowa 1999	Associate Professor	Interactions between technology, society, and the environment
<b>Collins, Jennifer</b>	Ph.D..	University College London, London England 2001	Assistant Professor	Tropical climatology, hurricane activity
<b>Haten, Mark</b>	Ph.D	University of South Florida, Tampa, FL 2001	Instructor	Water Quality & Conservation, Wetlands Hydrology & Ecology, Coastal Sedimentary Processes
<b>Reader, Steven</b>	Ph.D.	University of Bristol, Bristol, England 1991	Associate Professor	Geographical Information Systems, computer cartography, spatial analysis

Name	Degree	Institution, year	Level	Research Interests
<b>Reeder, Philip</b>	Ph.D.	University of Wisconsin-Milwaukee, Milwaukee, WI 1992	Associate Professor	Water Resources, Geoarchaeology, Hydrology
<b>Storm, Elizabeth</b>	Ph.D..	City University of New York, New York, NY 1996	Associate Professor	Urban development; urban governance; arts and cultural policies
<b>Tobin, Graham</b>	Ph.D..	University of Strathclyde, Glasgow, Scotland 1978	Full Professor	Natural Hazards, Water resources management and policy, Environmental contamination
<b>Zandberger, Paul</b>	Ph.D..	University of British Columbia, Vancouver, BC 1998	Associate Professor	GIS, Spatial Analysis and Modeling, Water Resources
<b>GEOLOGY</b> – Contact program for information				
<b>GOVERNMENT AND INTERNATIONAL AFFAIRS (GIA)</b> ~ International Studies ~				
<b>Amen, M. Mark</b>	Ph.D.	University of Geneva	Associate Professor	globalizing cities, international relations theories, global financial markets
<b>Conteh-Morgan, Earl</b>	Ph.D.	Northwestern University	Full Professor	Globalization and Collective Violence, Human Security and Peacebuilding, State Failure in Africa
<b>Hechiche, Abdelwahab</b>	Docteur en Etudes Orientales	The Sorbonne	Full Professor	International Law and Human Rights, Middle East, peace studies, international relations
<b>Miller, Michael J.</b>	Ph.D.	University of Miami	Assistant Professor	Environmental Policy, International Relations
<b>Peng, Dajin</b>	Ph.D.	Princeton University	Associate Professor	International political economy, Japan, East Asia
<b>Pynes, Joan</b>	Ph.D.	Florida Atlantic University	Full Professor	Human resources management, Labor relations in the public and nonprofit sectors, Public & Nonprofit Management
<b>Roach, Steven</b>	Ph.D.	University of Denver	Assistant Professor	Human rights and globalization, international law and organizations, international critical theory
<b>Slider, Darrell</b>	Ph.D.	Yale University	Full Professor	Russian and post-Soviet politics, federalism, local government, politics of the Caucasus
<b>Solomon, M. Scott</b>	Ph.D.	Syracuse University	Assistant Professor	Globalization, Migration, International Political Economy

Name	Degree	Institution, year	Level	Research Interests
<b>GOVERNMENT AND INTERNATIONAL AFFAIRS (GIA)</b> ~ Latin and Caribbean Studies ~				
Nef, Jorge	Ph.D.	University of California at Santa Barbara	Full Professor	Human security, Latin America, international development
<b>GOVERNMENT AND INTERNATIONAL AFFAIRS (GIA)</b> ~ Political Science ~				
Barylski, Robert	Ph.D.	Harvard University	Associate Professor	Russia, Marxist-Leninist regimes
Benton, J. Edwin	Ph.D.	Florida State University	Full Professor	intergovernmental relations, state and local government and politics, public policy analysis
Caruson, Kiki	Ph.D.	University of Georgia	Assistant Professor	American Government, Presidency
Gibbons, Michael	Ph.D.	University of Massachusetts	Associate Professor	Political Theory, American Founding, politics and literature
Hall, Cheryl	Ph.D.	Princeton University	Associate Professor	political theory, feminist theory
Johnston, Steven	Ph.D.	Johns Hopkins University	Associate Professor	Political theory, democratic theory
MacManus, Susan	Ph.D.	Florida State University	Distinguished Professor	American Campaigns & Elections, State & Local Politics & Policy, Intergovernmental Relations
Merrick, Janna	Ph.D.	University of Washington	Full Professor	Public policy, public administration, American politics
Milani, Mohsen	Ph.D.	University of Southern	Full Professor	Middle East, comparative revolutionary movements
Morehouse, Lawrence	Ph.D.	Cornell University	Associate Professor	Public law, judicial politics
Rigos, Platon	Ph.D.	Michigan State University	Associate Professor	Urban government and politics, public policy
Tauber, Steven	Ph.D.	University of Virginia	Associate Professor	Judicial politics, American politics, race and politics
Vanden, Harry	Ph.D.	The New School for Social Research	Full Professor	Latin America, Marxist theory, international law
<b>GOVERNMENT AND INTERNATIONAL AFFAIRS (GIA)</b> ~ Public Administration ~				
Benton, J. Edwin	Ph.D.	Florida State University	Full Professor	Intergovernmental relations, state and local government and politics, public policy analysis

Name	Degree	Institution, year	Level	Research Interests
<b>Calabrese, Stephen</b>	Ph.D.	Carnegie Mellon University	Assistant Professor	political economy, public administration
<b>Daly, John</b>	Ph.D.	Indiana University	Associate Professor	Human Resource Management, Labor Relations, Public Policy, HIV-AIDS in Southern Africa
<b>Jreisat, Jamil</b>	Ph.D.	University of Pittsburgh	Full Professor	Public administration, comparative administration, budgeting
<b>Neubauer, Bruce</b>	D.P.A.	University of Georgia	Assistant Professor	E-government, Information systems, Service-oriented architecture
<b>Rigos, Platon</b>	Ph.D.	Michigan State University	Associate Professor	Urban government and politics, public policy
<b>HISTORY</b> – Contact program for information				
<b>HUMANITIES / AMERICAN STUDIES</b>				
<b>Banes, Ruth</b>	Ph.D.	University of New Mexico, 1978	Associate Professor	American South, Native American Culture
<b>Belgrad, Daniel</b>	Ph.D.	Yale, 1996	Associate Professor	American culture, Mexican culture, cultural theory
<b>Berish, Andrew</b>	Ph.D.	University of California, Los Angeles, 2004	Visiting Assistant Professor	Jazz; Ideas of Place; American History and Modernity
<b>Brewer, Priscilla</b>	Ph.D.	Brown University, 1987	Full Professor	19th and early 20th century American culture Women’s higher education
<b>Cizmic, Maria</b>	Ph.D.	University of California, Los Angeles, 2004	Assistant Professor	Trauma, pain, and memory as they shape late 20th century East European art and music
<b>D’Emilio, James</b>	Ph.D.	University of London, 1989	Associate Professor	1. culture and society in medieval Galicia (Spain) 2. monasticism in medieval Spain 3. Romanesque architecture and sculpture
<b>Gaggi, Silvio</b>	Ph.D.	Ohio University, 1972	Department Chair, Full Professor	20th Century Film; Technoculture
<b>Kantzios, Niki</b>	Ph.D.	Bryn Mawr, 1999	Visiting Assistant Professor	Phoenicians, Greece and the Near East in the Iron Age, the transmission of imagery from culture to culture in the Mediterranean and Near East in antiquity
<b>Novoa, Adriana</b>	Ph.D.	University of California, San Diego, 1998	Assistant Professor	Gender History and Identity; Modern Latin American Culture, History and Identity



Name	Degree	Institution, year	Level	Research Interests
<b>Ortiz, Mario</b>	Ph.D.	University of Houston, 1990; Indiana University, 2000	Assistant Professor	Latin American History and Culture; Sor Juana Ines de la Cruz
<b>Yavneh, Naomi</b>	Ph.D.	University of California, Berkeley, 1991	Associate Professor	Renaissance Women
<b>Nef, Jorge</b>	Ph.D.	University of California at Santa Barbara, Santa Barbara CA, 1973	Full Professor / Director	Human Security, International Development, Comparative Politics
<b>Smith, Timothy J.</b>	Ph.D.	University at Albany, State University of New York; Albany NY , 2004	Faculty Administrator /Associate Director	Indigenous Movements and Electoral Politics, Maya Intellectuals, Guatemala
<b>LIBRARY AND INFORMATION SCIENCE (LIS)</b>				
<b>Alexander, Linda</b>	Ed.D.	Univ. of Louisville	Asst. Professor	Intellectual Freedom, Young Adult Materials and Multicultural Issues.
<b>Andrews, James</b>	Ph.D.	Univ. of Missouri	Asst. Professor	Medical informatics; Health-related information behaviors.
<b>Ariew, Susan</b>	M.S.	Univ. of Illinois	Instructor	Collaborative relationships between librarians and academic faculty, diversity resources for teachers, and assessment tools for evaluating library instruction and student learning.
<b>Austin, Diane</b>	M.Ed.	Penn. State Univ.	Instructor	Virtual Communities
<b>Blazek, Ronald</b>	Ph.D.	Univ. of Illinois	Professor Emeritus	Reference and American library history.
<b>Carey, Jim</b>	Ph.D.	Florida State Univ.	Assoc. Professor	Outcomes assessment and strategic planning, product and program evaluation, instructional systems design.
<b>Cox, Kiersten</b>	M.L.I.S. M.A.I.A.	Univ. of Hawaii	Instructor	Information literacy and Southeast Asian librarianship.
<b>Dee, Cheryl</b>	Ph.D.	Florida State Univ.	Asst. Professor	Historical medical research with digital library building, Health care professional information seeking behavior and Consumers' health information seeking behavior.
<b>Dunkley, Cora</b>	Ph.D.	Florida State Univ.	Asst. Professor	Multicultural Literature for Children and Young Adults, Diversity in Librarianship, School Media Center Management.

Name	Degree	Institution, year	Level	Research Interests
<b>Gregory, Vicki</b>	Ph.D.	Rutgers, State Univ. of N.J.	Professor Director	Virtual Communities, Digital Copyright and Distance Education.
<b>Kwon, Nahyun</b>	Ph.D.	Univ. of Wisconsin	Asst. Professor	Info. use studies: info. seeking behavior, info. needs & uses in diverse social contexts and Service evaluation.
<b>Maatta, Stephanie</b>	Ph.D.	Florida State Univ.	Asst. Professor	Career trends and professionalism and Adult reading trends.
<b>De La Pena, Kathleen</b>	Ph.D.	Univ. of Wisconsin	Distinguished Univ. Professor	Human rights, social justice and librarianship, libraries as cultural heritage institutions.
<b>Pace, Mel</b>	M.A. in LIS	Univ. of South Florida	Instructor/Assoc. Director	School library media leadership, development & advocacy and technology integration in all educational environments.
<b>Perrault, Anna</b>	Ph.D.	Florida State Univ.	Professor	Development & management of info. resources; evaluation & assessment of info. resources; bibliometrics of academic library collections.
<b>Slone, Debra</b>	Ph.D.	Univ. of N. Carolina	Asst. Professor	Usability of Info.systems, end-user info. seeking, design of visual analysis tools for qualitative research.
<b>Smith, Drew</b>	M.A.	Univ. of South Florida	Instructor	Genealogy, Information Literacy and College Level Teaching and Learning.
<b>Terrell, Tom</b>	Ed.D.	Univ. of Central Florida	Asst. Professor	Structures & processes of non-text information; Knowledge visualization; distance learning & distance learner requirements.
<b>Wohlmuth, Sonia</b>	M.A.	Univ. of Illinois/USF	Instructor	Automated translation systems; multilingual computer/user interfaces; library services to the Spanish-speaking and other language minorities in the United States; language policy; historical phonology.
<b>LIS ADJUNCTS</b>				
Name	Degree	Institution, year	Level	Research Interests
<b>Austin, Richard</b>			Adjunct	
<b>Beach, Kevin</b>			Adjunct	
<b>Brenenson, Stephanie</b>			Adjunct	
<b>Hansen, Jamie</b>			Adjunct	

Name	Degree	Institution, year	Level	Research Interests
Correll, Barbara			Adjunct	
Balleste, Roy			Adjunct	
Smith, Henrietta	Ph.D.	Univ. of Miami	Professor Emerita	
Sapp, Mary (Angie)			Adjunct	
<b>MASS COMMUNICATIONS</b> – Contact program for information				
<b>MATHEMATICS</b>				
Bieske, Thomas	Ph.D.	University of Pittsburgh, Pittsburgh, PA, 1999	Assistant Professor	Differential Equations, Viscosity Solutions, Sub-Riemannian Geometry
Burgos, Fernando	Ph.D.	Northeastern University, Boston, MA, 1988	Instructor	Selection and Ranking of Populations
Curtin, Brian	Ph.D.	University of Wisconsin, Madison, Wisconsin, 1996	Assistant Professor	Algebraic combinatorics of distance-regular graphs, spin models, Bose-Mesner algebras, and planar
Danielyan, Arthur A.	Ph.D.	Armenian Academy of Science, 1987	Instructor	Complex Analysis and Approximation Theory
Elhamdadi, Mohamed	Ph.D.	University of Nice-Sophia Antipolis, 1996	Instructor	Low dimensional Topology, Knot Theory and K-theory
Grinshpan, Arcadii Z.	Ph.D.	St. Petersburg and Donetsk State Universities, 1973	Instructor	Complex analysis and engineering problems
Hou, Xiang-Dong	Ph.D.	University of Illinois, Chicago, IL, 1990	Assistant Professor	Algebra, Combinatorics, and Cryptography
Jonoska, Natasha	Ph.D.	SUNY-Binghamton, Binghamton, NY, 1993	Associate Professor	Automata theory, symbolic dynamics, DNA based computing, formal language theory
Kartsatos, Athanassios G.	Ph.D.	University of Athens, 1969	Professor	Nonlinear functional analysis, differential equations in Banach spaces

Name	Degree	Institution, year	Level	Research Interests
<b>Krajcevski, Mile</b>	Ph.D.	SUNY-Binghamton, Binghamton, NY, 1995	Instructor	Combinatorial group theory, geometric group theory
<b>Ma, Wen-Xiu</b>	Ph.D.	Academia Sinica, 1990	Associate Professor	Integrable systems, solution theory, computer algebra
<b>Mapougian, Manoug</b>	Ph.D.	University of Texas, 1968	Professor	Existence theory for nonlinear ordinary and partial differential equations
<b>McColm, Gregory</b>	Ph.D.	UCLA, Los Angeles, CA, 1986	Associate Professor	Mathematical logic in computer science, finite and infinite combinatorics
<b>McWaters, Marcus M.</b>	Ph.D.	University of Florida, Gainesville, FL, 1966	Associate Professor	Topology, topological algebra, algebraic topology
<b>Mukherjea, Arunava</b>	Ph.D.	Wayne State University, Detroit, MI, 1967	Professor	Probability on algebraic structures, Markov chains, multivariate analysis, random matrices
<b>Rakhmanov, Evgenii A.</b>	Ph.D.	Steklov Mathematics Institute, 1978	Professor	Approximation theory, orthogonal polynomials
<b>Ramachandran, Kandethody</b>	Ph.D.	Brown University, Providence, RI, 1987	Professor	Stochastic control problems
<b>Rao, A.N.V.</b>	Ph.D.	University of Rhode Island, Kingston, RI, 1971	Professor	Reliability analysis, stochastic modeling, stochastic control systems
<b>Ratti, Jogindar</b>	Ph.D.	Wayne State University, Detroit, MI, 1966	Professor	Real analysis, complex analysis, graph theory
<b>Rimbey, Scott</b>	Ph.D.	UCLA, Los Angeles, CA, 1984	Instructor	Computational Fluid Dynamics with emphasis on Transonic Flow Calculations
<b>Saito, Masahiko</b>	Ph.D.	University of Texas, Austin, TX, 1990	Associate Professor	Geometric topology, knot theory, invariants of knots and manifolds, knotted surfaces in 4-space
<b>Shekhtman, Boris</b>	Ph.D.	Kent State University, Kent, OH, 1980	Professor	Approximation theory, Abstract and Classical Analysis

Name	Degree	Institution, year	Level	Research Interests
<b>Skrzypek, Leslaaw</b>	Ph.D.	Jagiellonian University, Krakow, Poland, 2001	Assistant Professor	Approximation theory, Minimal Projections
<b>Stark, W. Richard</b>	Ph.D.	University of Wisconsin-Madison, Madison, WI, 1975	Professor	Theory of computation, logic; models of biological information processing
<b>Suen, Stephen</b>	Ph.D.	University of Bristol, Bristol, UK, 1985	Associate Professor	Combinatorics; theoretical computer science
<b>Totik, Vilmos</b>	Ph.D.	Hungarian Academy of Sciences, 1981	Professor	Approximation theory, orthogonal polynomials, potential theory
<b>Tsokos, Chris P.</b>	Ph.D.	University of Connecticut, Storrs, CT, 1968	Distinguished University Professor	Stochastic models; Bayesian reliability analysis; forecasting
<b>Williams, Carol A.</b>	Ph.D.	Yale University, New Haven, CT, 1967	Professor	Celestial mechanics, dynamics, perturbation methods, Hamilton dynamics
<b>Yanev, George P.</b>	Ph.D.	University of Sofia, 1991	Assistant Professor	Branching Processes, Bayesian Statistics, Applied Statistics
<b>You, Yuncheng</b>	Ph.D.	University of Minnesota, Minneapolis, MN, 1988	Professor	Differential Equations, Control Theory and Dynamical Systems
<b>PHILOSOPHY</b>				
<b>Anton, John P.</b>	Ph.D.	Columbia University, 1954	Full Professor	Greek Philosophy, Aristotle, History of Philosophy, Byzantine Thought, Philosophy of Literature, Ancient Philosophy, Aesthetics, Metaphysics
<b>Ariew, Roger</b>	Ph.D.	University of Illinois, Urbana-Champaign, 1976	Full Professor	Early Modern Philosophy and Science, especially Descartes and Leibniz; History and Philosophy of Science, especially Duhem
<b>Guignon, Charles B.</b>	Ph.D.	University of California, Berkeley, 1979	Full Professor	Continental Philosophy, Hermeneutics, Moral Value, Psychotherapy
<b>Heydt, Colin</b>	Ph.D.	Boston University, 2003	Assistant Professor	History of Philosophy, Ethics

Name	Degree	Institution, year	Level	Research Interests
<b>Levine, Alexander T.</b>	Ph.D.	University of California, San Diego, 1994	Associate Professor	Philosophy of Mind, Philosophy of Science, Philosophy of Language
<b>Sadler, Brook</b>	Ph.D.	Duke University, 2001	Assistant Professor	Contemporary Ethical Theory, History of Moral Philosophy, Kantian Moral Philosophy, Feminist Philosophy, Philosophy of Love and Friendship
<b>Schöfeld, Martin</b>	Ph.D.	Indiana University, 1995	Associate Professor	History of Modern Philosophy, Kant, 18th Century Thought, Environmental Ethics, Chinese Philosophy
<b>Schutte, Otelia</b>	Ph.D.	Yale University, 1978	Full Professor	Feminist Philosophy, Nietzsche, Women's Studies
<b>Turner, Stephen P.</b>	Ph.D.	University of Missouri, 1975	Graduate Research Professor	History and Philosophy of Social Science, Political Philosophy, History of 20th Century Philosophy
<b>Waugh, Joanne B.</b>	Ph.D.	University of Southern California, 1980	Associate Professor	Classical Philosophy, Aesthetics, Feminist Philosophy, Continental Philosophy
<b>Weatherford, Roy</b>	Ph.D.	Harvard University, 1972	Full Professor	Ethics, Epistemology
<b>Weiskopt, Daniel A.</b>	Ph.D.	Washington University in St. Louis, 2003	Assistant Professor	Philosophy of Mind, Philosophy of Language, Cognitive Science
<b>Williams, Thomas</b>	Ph.D.	University of Notre Dame, 1994	Associate Professor	Medieval Philosophy, History of Ethics, Philosophy of Religion
<b>Winsberg, Eric B.</b>	Ph.D.	Indiana University, 1999	Assistant Professor	Philosophy of Science, Epistemology, Logic, Philosophy of Mind
<b>Wiredu, Kwasi</b>	B. Phil.	Oxford University, 1960	Distinguished University Professor	African Philosophy, Epistemology, Metaphysics, Philosophy of Logic
<b>PHILOSOPHY – Courtesy Appointments</b>				
<b>Axinn, Sidney</b>	Ph.D.	University of Pennsylvania, 1955	Courtesy Faculty, Professor Emeritus, Philosophy Temple University	Ethics, Kant, History of Philosophy
<b>Chitwood, Ava</b>	Ph.D.	John Hopkins University, 1992	Courtesy Faculty, Assistant Professor, Classics,	Archaic Literature and Philosophy, Classics

Name	Degree	Institution, year	Level	Research Interests
			USF Tampa	
<b>Gibbons, Michael T.</b>	Ph.D.	University of Massachusetts, 1978	Courtesy Faculty,  Associate Professor , Political Science USF Tampa	Political Science, Political Thought, Continental Philosophy
<b>LaFollette, Hugh</b>	Ph.D.	Vanderbilt University, 1976	Courtesy Faculty, Cole Chair in Ethics, USF St. Petersburg	Practical Ethics, Ethical Theory, Social and Political Philosophy
<b>Bell, James A.</b>	Ph.D.	Boston University	Professor Emeritus	Philosophy of Science, Method in Philosophy of Social Sciences, Existential Philosophy
<b>McAlister, Linda Lopez</b>	Ph.D.	Cornell University	Professor Emerita	Feminist Theory, Feminist Ethics, History of Women in Philosophy, Franz Brentano
<b>Silver, Bruce</b>	Ph.D.	University of Colorado, 1971	Professor Emeritus	History of Modern Philosophy
<b>Taylor, Richard</b>	M. Phil.	Yale University, 1969	Associate Professor Emeritus	Philosophy of Religion, Existentialism
<b>PHYSICS</b>				
<b>Buonaquisti, Anthony</b>	Ph.D.	Lancaster University, UK 1981	Instructor	Physics Education, Analytical Instrumentation for Materials Characterization
<b>Chang, Robert</b>	Ph.D.	Cornell University, 1976	Full Professor	Solid State Laser Spectroscopy, Energy Transfer Studies, Crystal Growth, Fiber optics
<b>Chen, Wei</b>	Ph.D.	Temple University, 1988	Full Professor	Biophysics & Physiology
<b>Djeu, Nicholas</b>	Ph.D.	Cornell University, 1970	Full Professor	Laser Physics, Non-linear Optics, Fiber optics
<b>Halder, Narayan</b>	Ph.D.	Indian Institute of Technology, 1963	Full Professor	Semiconductor & Ceramic Physics
<b>Johnson, Dale</b>	Ph.D.	University of Chicago, 1971	Full Professor	Electron Microscopy

Name	Degree	Institution, year	Level	Research Interests
<b>Kllinger, Dennis</b>	Ph.D.	Michigan State, 1978	Full Professor Distinguished University Professor	Quantum Electronics & Laser Physics, Laser Remote Sensing/LIDAR, Laser Spectroscopy
<b>Kim, Myung</b>	Ph.D.	University of California, Berkeley, 1986	Full Professor	Quantum Optics, Laser Spectroscopy, Photonics, Photon Echoes
<b>Lo, Chun-Min</b>	Ph.D.	Rensselaser Polytechnic Institute, 1994	Assistant Professor	Biophysics
<b>Matthews, Jr., Wm Garrett</b>	Ph.D.	University of North Carolina, 2001	Assistant Professor	Biological macromolecules & Micromolecular, Biopolymers
<b>Mukherjee, Pritish</b>	Ph.D.	SUNY, Buffalo, 1986	Full Professor	Picosecond Lasers & Applications, Laser Assisted Materials Growth, Semiconductor & Superconductor Physics
<b>Muschol, Martin</b>	Ph.D.	City University of New York, 1992	Assistant Professor	Neuronal Plasticity, Advanced Optical Techniques & Probe Cellular Mechanisms, Protein Crystallization
<b>Nolas, George</b>	Ph.D.	Stevens Institute of Technology, 1994	Associate Professor	Novel Materials Synthesis & Characterization
<b>Oleynik, Ivan</b>	Ph.D.	Russian Academy of Sciences, 1992	Assistant Professor	Material Physics, Atomistic Modeling of Thin Films
<b>Rabson, David</b>	Ph.D.	Cornell University, 1991	Associate Professor	Condensed Matter Theory
<b>Sakmar, Ismail</b>	Ph.D.	University of California, Berkeley, 1963	Visiting Professor	High Energy Particle Physics, Number Theory
<b>Srikanth, Hariharan</b>	Ph.D.	Indian Institute of Technology, 1993	Associate Professor	Experimental Condensed Matter, Materials Sciences
<b>Witanachchi, Sarath</b>	Ph.D.	SUNY, Buffalo, 1989	Associate Professor	Laser Ablation, Films, High-Tc Superconductors, Semiconductors
<b>Woods, Gerald</b>	Ph.D.	University of Tennessee at Knoxville, 2001	Instructor	Materials Science, Spectroscopy of Magnetic and Non-magnetic Materials
<b>Woods, Lilia</b>	Ph.D.	University of Tennessee at Knoxville, 2001	Assistant Professor	Theoretical, Semiconductor Nano Structures
<b>PSYCHOLOGY</b> – Contact the program for information				



Name	Degree	Institution, year	Level	Research Interests
<b>RELIGIOUS STUDIES</b> – Contact the program for information				
<b>SOCIOLOGY</b>				
<b>Cahill, Spencer</b>	Ph.D.	U.C.-Santa Barbara, 1982	Full Professor	Social psychology, children, and youth, emotions
<b>Cavendish, James</b>	Ph.D.	Notre Dame, 1997	Associate Professor	Race/Ethics/Minority Relations, Religion, Collective Behavior/Social Movements
<b>Friedman, Jennifer</b>	Ph.D.	Northwestern, 1988	Associate Professor	Sex and Gender, Deviance
<b>Gagan, Richard</b>	Ph.D.	Cornell, 1969	Instructor	Statistics, quantitative Methodology
<b>Green, Sara</b>	Ph.D.	Tulane, 1994	Associate Professor	Aging, Disabilities
<b>Graham, Laurel</b>	Ph.D.	Illinois-Urbana, 1992	Associate Professor	Theory, Cultural Sociology
<b>Kleiman, Michael</b>	Ph.D.	Pennsylvania State, 1979	Associate Professor	Quantitative Methodology, Mass Communications, Public Opinion
<b>Kusenbach, Maggie</b>	Ph.D.	UCLA, 2003	Assistant Professor	Urban Sociology, Community, Emotions
<b>Loseke, Donileen</b>	Ph.D.	UC- Santa Barbara, 1982	Full Professor	Social Problems, Family Violence, Methods
<b>Mayberry, Maralee</b>	Ph.D.	Oregon, 1988	Full Professor	Education, Sexual Minority Youth, Science Studies
<b>Ponticelli, Christy</b>	Ph.D.	UC-Santa Cruz, 1993	Associate Professor	Sexuality and Homosexuality, Sex and Gender, Deviant Behavior
<b>Stamps, David</b>	Ph.D.	Washington State, 1972	Full Professor	Urban Sociology, Community, Race/Ethnic/Minority Relations
<b>Tyson, Will</b>	Ph.D.	Duke, 2004	Assistant Professor	Education, Sex and Gender, Race/Ethnic/Minority Relations
<b>Bingham, Shawn</b>	Ph.D.	American University, 2003	Instructor	Education, Disability
<b>WOMEN’S STUDIES</b>				
<b>Crawley, Sara L.</b>	Ph.D.	University of Florida Gainesville, FL	Assistant Professor	Gender and Sexualities Theories; Social Psychology/Sociology of the Self; Sociology of Sport and the Body; Qualitative Methods
<b>Eichner, Carolyn</b>	Ph.D.	UCLA Los Angeles, CA	Associate Professor	Feminism in European History; Women in Revolutions; Feminism and Imperialism

Name	Degree	Institution, year	Level	Research Interests
<b>Grewal, Gurleen</b>	Ph.D.	UC Davis Davis, CA	Associate Professor	Postcolonial Feminist Theory; Transnational Feminism; Feminism in India; Women and Spirituality
<b>Myerson, Marilyn</b>	Ph.D.	SUNY Buffalo, NY	Associate Professor	Feminist Issues in Research and Methodology; Feminist Theory; Human Sexuality; Women and Health
<b>Rodriguez, Cheryl</b>	Ph.D.	USF Tampa, FL	Associate Professor Africana Studies	Women of Color/Activism/Social Change
<b>Vaz, Kim</b>	Ph.D.	Indiana University Bloomington, IN	Associate Professor	Women and Mental Health; Feminist Psychotherapy; African-American Women's Issues
<b>WORLD LANGUAGE EDUCATION</b> ~French~ (For faculty listings for Spanish and German, contact the program)				
<b>Brulotte, Gaëtan</b>	Ph.D.	Sorbonne, Paris VII, 1978	USF Distinguished Research Scholar, Full Professor	International Award-Winning Creative Writer, 20th Century, Contemporary French Literature, Literary Theory and Criticism, Advanced Writing, Quebec Literature and Culture, Francophone Literature
<b>Latowsky, Anne</b>	Ph.D.	University of Washington, Seattle, 2004	Visiting Assistant Professor	Medieval Literature
<b>Probes, Christine M.</b>	Ph.D.	Tulane University, 1968	Associate Professor	Renaissance & 17th Century Literature, French Women Writers
<b>Tucker, Roberta M.</b>	Ph.D.	University of Chicago, 1988	Instructor, French Grad. Prog. Dir., Coord. of French Teaching Assistants, Paris Program Director	19th Century Literature, Poetry, Cognitive Science and Literature

**College of Business Administration**

Name	Degree	Institution, year	Level	Research Interests
<b>ACCOUNTANCY</b>				
<b>Albring, Susan</b>	Ph.D	University of Arizona, 2003	Assistant Professor	Financial Reporting, Earnings Management, Effects of Taxation on Business Decisions, Audit Quality
<b>Bryant, Stephanie M.</b>	Ph.D.	Louisiana State, 1996	Associate Professor	Behavioral, Accounting Systems
<b>Cockrum, Robert B.</b>	J.D.	Indiana University, 1974	Instructor	Business Valuation
<b>Engle, Terry J.</b>	Ph.D.	University of Missouri, 1983	Professor	External Auditing
<b>Caban-Garcia, Maria</b>	Ph.D.	University of Missouri 2004	Assistant Professor	Financial and International Accounting
<b>Kahle, Jennifer</b>	Ph.D.	University of South Carolina, 2003	Assistant Professor	Judgment/Decision Making, Behavioral Tax
<b>Keith, Robert M.</b>	Ph.D.	University of Alabama, 1969	Professor, Director School of Accountancy	Financial Accounting
<b>Laursen, Gary A.</b>	LLM..	University of Miami, 1972	Associate Professor	Income Taxes
<b>Murthy, Uday</b>	Ph.D.	Indiana University, 1989	Professor	Information Systems, Judgment/Decision Making,
<b>Parrott, William H.</b>	Ph.D.	University of Illinois, 1971	Associate Professor	Financial Accounting
<b>Phillips, Sam</b>	Ph.D.	University of Houston, 1991	Visiting Associate Professor	
<b>Quilliam, William</b>	Ph.D.	University of Florida, 1991	Instructor	Auditing
<b>Reck, Jacqueline</b>	Ph.D.	University of Missouri, 1996	Associate Professor	Governmental accounting and reporting, impact of reporting on financial markets

Name	Degree	Institution, year	Level	Research Interests
Schafer, Brad A.	Ph.D.	University of Utah, 2003	Assistant Professor	Audit, Information Systems, Behavioral
Stuart, Nathan	Ph.D.	Indiana University, 2001	Assistant Professor	Managerial Accounting and Control; Compensation and Performance Measurement
<b>BUSINESS ADMINISTRATION</b> - Contact program for information				
<b>ECONOMICS</b>				
Bellante, Don	Ph.D.	Florida State University, 1971	Professor	Labor Markets Migration
DeSalvo, Joseph S.	Ph.D.	Northwestern University, 1968	Professor	Urban Regional Economics
DeSimone, Jeffrey	Ph.D.	Yale University, 1998	Assistant Professor	Health, education and labor economics
Ford, Ed	Ph.D.	Boston College, 1971	Associate Professor	<i>Does Not Teach Graduate Courses</i>
Green, Carole A.	Ph.D.	University of Illinois, 1982	Associate Professor	Gender Discrimination, Labor Market Issues, Household Production
Gyimah-Brempong, Kwabena	Ph.D.	Wayne State University, 1981	Professor, Chairman (Economics)	Economics of Crime. Development Economics Efficiency in Public Production
Herander, Mark G	Ph.D.	University of North Carolina, 1980	Professor	International Trade
Hodgson, John S.	Ph.D.	University of Virginia, 1971	Professor	International Monetary Relations
Kamp, Bradley P.	Ph.D.	University of California, San Diego, 1993	Associate Professor	Information Economics
Loewy, Michael	Ph.D.	University of Minnesota, 1986	Associate Professor	Dynamic Macroeconomics Growth Theory Monetary Theory
Picone, Gabriel	Ph.D.	Vanderbilt, 1993	Professor	Health Economics Micro Econometrics

Name	Degree	Institution, year	Level	Research Interests
<b>Porter, Philip K.</b>	Ph.D.	Texas A&M University, 1978	Professor	Law and Economics Public Choice Sports Economics
<b>Rowe, John W.</b>	Ph.D.	University of Illinois, 1966	Professor	Production Theory
<b>Thoams, Christopher R.</b>	Ph.D.	Texas A&M University, 1980	Associate Professor	Industrial Organization
<b>FINANCE</b>				
<b>Adams, John</b>	Ph.D.	Texas Tech, 2005	Visiting Instructor	Corp. Finance (Governance); Investments
<b>Anita, Murad J.</b>	Ph.D.	University of Houston, 1981	Instructor	Investments
<b>Besley, Scott A.</b>	D.B.A.	Florida State University, 1984	Associate Professor, Chairperson (Finance)	Working Cap. Management; Investment Analysis; Corp. Finance
<b>Bolten, Steve E.</b>	Ph.D.	New York University, 1969	Professor	Investments; Corp. Finance
<b>Bulmash, Samuel B.</b>	Ph.D.	Northwestern University, 1981	Associate Professor	International Banking Theory; Behavioral Finance
<b>Ho, Yueh-Fang (Amy)</b>	Ph.D.	Drexel University, 2003	Assistant Professor	Stock Offerings; Earnings Management Forecasts
<b>Hunter, Delroy M.</b>	Ph.D.	University of Warwick, 1999	Assistant Professor	International Finance; Investments
<b>Kelly, Patrick J.</b>	Ph.D.	Arizona State University, 2005	Assistant Professor	Asset Pricing; Investment; Market Efficiency
<b>Lin, Jang-Shee (Barry)</b>	Ph.D.	Baruch College, 1995	Assistant Professor	Corporate Finance; International Finance; Real Options
<b>Meyer, Richard L.</b>	Ph.D.	University of Wisconsin, 1971	Professor; Associate Dean	Corp. Finance; Investments
<b>Pantzalis, Christos</b>	Ph.D.	University of New York, 1995	Associate Professor	International Finance; Corporate Finance; Market Efficiency

Name	Degree	Institution, year	Level	Research Interests
<b>Pappas, James A.</b>	Ph.D.	University of California, Los Angeles, 1968	Professor	Corp. Finance; Banking
<b>Pencek, Thomas</b>	D.B.A.	Mississippi State University, 1988	Instructor	
<b>Qi, Jianping</b>	Ph.D.	Washington University, 1993	Associate Professor	Financial Instit.; Capital Markets
<b>Sutton, Ninon</b>	Ph.D.	Florida State University, 1998	Associate Professor	Corp. Finance; M&As; Agency Theory
<b>Tandon, Arun K.</b>	Ph.D.	Louisiana State University, 1999	Assistant Professor	ADRs; International Cross-Listing; Latin American Markets.
<b>Wieand, Jr., Kenneth F.</b>	Ph.D.	Washington University, 1970	Professor	Urban Economics; Int'l Fin.
<b>Yang, Tina</b>	Ph.D.	University of Georgia, 2005	Visiting Instructor	Corp. Governance; Mutual Funds
<b>INFORMATION SYSTEMS AND DECISIONS SCIENCES (ISDS)</b>				
<b>Agrawal, Manish</b>	Ph.D.	SUNY Buffalo, 2002	Assistant Professor	
<b>Berndt, Donald J.</b>	Ph.D.	New York University, 1977	Associate Professor	Database Systems Data Warehousing Data Mining Health Informatics
<b>Bhattacharjee, Anol</b>	Ph.D.	University of Houston, 1996	Associate Professor	Technology adoption and diffusion Medical informatics Knowledge transfer in social networks
<b>Birkin, Stanley J.</b>	Ph.D.	University of Alabama, 1969	Professor, Chairman (ISDS)	Global Information Systems Software Dev Conflicts Quality Assurance Issues
<b>Blanton, Ellis J.</b>	Ph.D.	University of Georgia, 1987	Professor	Organizational Impacts of Information Technology Human Resource Issues of IT Professionals

Name	Degree	Institution, year	Level	Research Interests
<b>Chari, Kaushal</b>	Ph.D.	University of Iowa, 1990	Associate Professor	Agent-based Modeling Software Engineering Fraud Detection
<b>Cohen, Murray E.</b>	Ph.D.	Georgia State University, 1976	Associate Professor	Pension Funding & Continuing care retirement Financial Structure
<b>Collins, Rosann W.</b>	Ph.D.	University of Minnesota, 1993	Associate Professor	Global Info Systems Impacts of Info Technology on Work Systems Dev
<b>Fuller, Robert</b>	Ph.D.	University of Indiana, 2003	Assistant Professor	Collaborative technologies Computer-mediated communication
<b>Gill, Grandon</b>	D.B.A.	Harvard Business School, 1991	Associate Professor	Using IT to enhance instruction Economics and organizational impacts of instructional technology Complexity and managerial time horizons
<b>Hevner, Alan R.</b>	Ph.D.	Purdue University, 1979	Professor, Chairman of Distributed Technology	Info Systems Dev Software Engineering Distributed Systems Health Care Information Systems
<b>Hikmet, Neset</b>	Ph.D.	University of Rhode Island, 1999	Assistant Professor	
<b>Jones, Joni</b>	Ph.D.	University of Florida, 2000	Assistant Professor	Economics of Information Systems, Electronic Commerce, Software Development
<b>Knight, Craig</b>	Ph.D.	University of Georgia, 2002	Assistant Professor	Inventory Control Supply Chain Management
<b>Riggle, Charlene</b>	Ph.D.	Kent State University, 1996	Assistant Professor	Programming Theory
<b>Satterfield, Ronald K.</b>	Ph.D.	Indiana State University, 1995	Instructor	
<b>Sincich, Terry L.</b>	Ph.D.	University of Florida, 1980	Associate Professor	linear and nonlinear modeling applied statistical analyses
<b>Will, Richard P.</b>	Ph.D.	University of Houston, 1988	Associate Professor	

Name	Degree	Institution, year	Level	Research Interests
<b>MANAGEMENT</b>				
<b>Balfour, Ian</b>	Ph.D	Michigan State University, 1975 University of Michigan, 1969	Associate Professor, Chairman-Management	Employment Issues
<b>Barnett, Michael L.</b>	Ph.D.	New York University, 2004	Assistant Professor	Strategic Management
<b>Bowen, Michael G.</b>	Ph.D.	University of Illinois at Urbana-Champaign, 1987	Instructor	Strategic Management
<b>Cohen, Cynthia F.</b>	Ph.D.	Georgia State University, 1980	Professor	Employment Issues
<b>Fuller, Sally Riggs</b>	Ph.D.	University of Wisconsin, Madison, 1993	Associate Professor	Employment Issues
<b>Hanna-West, Sharon</b>	J.D.	University of Florida, 1982	Instructor	Environmental Law
<b>Jermier, John M.</b>	Ph.D.	Ohio State University, 1979	Professor	Leadership, Sustainable Organizations
<b>Karlins, Marvin</b>	Ph.D.	Princeton University, 1966	Professor	Gambling Studies
<b>Koehler, Jerry W.</b>	D.Ed.	Pennsylvania State University, 1966	Professor	Leadership Studies
<b>Michaels, Jr. Charles E.</b>	Ph.D.	University of South Florida, 1983	Associate Professor	Employment Issues
<b>Nord, Walter R.</b>	Ph.D.	Washington University, 1967	Professor	Organizational Politics



Name	Degree	Institution, year	Level	Research Interests
Selsky, John	Ph.D.	University of Pennsylvania, 1988	Associate Professor	Environmental Issues
Wheelen, Thomas L.	D.B.A	George Washington University, 1969	Professor	Strategic Management
<b>MARKETING</b>				
Anderson, Robert L.	Ph.D.	North Texas State University, 1971	Professor, Dean	Promotion; Consumer Behavior
Baumgarten, Steven	Ph.D.	Purdue University, 1971	Professor, Director of MBA Programs	International Marketing
Dant, Rajiv P.	Ph.D.	Virginia Polytechnic Institute & State University, 1986	Associate Professor	Supply Chains; Distribution Channels
Edwards, Yancy D.	Ph.D.	The Ohio State University, 2002	Assistant Professor	Market Segmentation; Database Marketing
Gebhardt, Gary F.	Ph.D.	Northwestern University, 2004	Assistant Professor	Marketing & Corporate Strategy; Organizational Change
Hensel, James S.	Ph.D.	The Ohio State University, 1970	Associate Professor	Service Quality; Marketing Strategy
Kumar, Anand	Ph.D.	Indiana University, Bloomington, 1996	Associate Professor	Consumer Responses to Traditional and High-Tech Marketing; Customer Satisfaction
Lafferty, Barbara A.	Ph.D.	Florida State University, 1999	Assistant Professor	Attitudes and Persuasion Research; Corporate/Advertiser Reputation; Cause-Brand Alliances
Ortinou, David J.	Ph.D.	Louisiana State University, 1979	Professor	Services Marketing; Consumer Satisfaction
Solomon, Paul J.	Ph.D.	Arizona State University, 1974		Promotion and Services Marketing

Name	Degree	Institution, year	Level	Research Interests
<b>Stamps, Miriam B.</b>	Ph.D.	Syracuse University, 1982		Market Segmentation Strategies; Marketing to Vulnerable Consumers
<b>Stock, James R.</b>	Ph.D.	The Ohio State University, 1975		Logistics; Supply Chain Management
<b>Stock, James R.</b>	Ph.D.	The Ohio State University, 1975		Logistics; Supply Chain Management

**College of Education**

Name	Degree	Institution, year	Level	Research Interests
<b>COLLEGE LISTING</b>				
<b>Permuth, Steven</b>	Ed.D.	Minnesota, 1973.	Professor	Role of school law and policy as it impacts the role of the administrator and teacher in the school setting
<b>Shapiro, Arthur</b>	Ph.D.	Chicago, 1965	Professor	Constructivist leadership
<b>Terry, Paul</b>	Ed.D.	Arkansas, 1993	Associate	Practicing administrative professional development; Educational leadership program quality
<b>ADULT, CAREER, AND HIGHER EDUCATION</b>				
<b>Blank, William</b>	Ph.D.	Florida State, 1976	Professor, Career and Technical Ed.	Education reform; authentic learning; integration of academic and vocational education
<b>Closson, Rosemary</b>	Ph.D.	Florida State, 1994	Assistant Professor, Adult Education	Learning and impinging factors e.g. race, age, gender; negotiating representation in qualitative research; executive coaching as individualized, non-formal learning.
<b>Dellow, Donald</b>	Ed.D.	Florida, 1971	Associate Professor, Higher Ed.	International education; community college leadership; global two-year college development; leadership
<b>Eison, James</b>	Ph.D.	Tennessee, 1979	Professor, Higher Ed.	Instructional strategies/techniques; student characteristics that influence learning; testing/grading and faculty development
<b>Hernandez-Gantes, Victor</b>	Ph.D.	Virginia Tech, 1993	Associate Professor, Career and Technical Ed.	Education reform, contextual teaching and learning, school restructuring in career and technical education
<b>Ignash, Jan</b>	Ph.D.	UCLA, 1994	Associate Professor, Higher Ed.	Transfer and articulation; college curriculum; state-level governance of colleges and universities
<b>James, Wayne</b>	Ed.D.	Tennessee, 1976	Professor, Adult Education	Understanding and using learning styles; school improvement; collaborative partnerships

Name	Degree	Institution, year	Level	Research Interests
<b>Kirkman, Suzanne</b>	Ph.D.	South Florida, 1994	Instructor, Adult Education	Self-regulation, metacognition; transformational learning; epistemological, social and cognitive theories as related to the adult learner.
<b>Mills, Michael</b>	Ph.D.	Michigan, 1988	Assistant Professor, Higher Ed.	Organizational theory; higher education policy, policy implementation and institutional governance
<b>Scaglione, Janet</b>	Ph.D.	South Florida, 1990	Associate Professor, Career and Technical Ed.	Gender and racial equity in schools and the workplace; the art/spirit of teaching; online curriculum development
<b>Sullins, Robert</b>	Ed.D.	Florida, 1968	Associate Professor, Higher Ed.	College and university organization, administration, finance, governance and curriculum; state level governance and coordination; high school, community college and university articulation
<b>Young, William</b>	Ed.D.	Penn State, 1976	Professor	Continuing professional education; human resource development; leadership; continuing higher education
<b>CHILDHOOD EDUCATION</b>				
<b>Anderson, Nancy</b>	Ed.D.	Southern Mississippi, 1982	Associate	Early field experiences; comprehension strategies for emergent readers; teaching reading through literature
<b>Brindley, Roger</b>	Ed.D.	Georgia, 1996	Associate	University-school partnerships and pre-service teacher beliefs
<b>Ethridge, Elizabeth</b>	Ed.D.	Oklahoma State, 1998	Assistant	Teacher autonomy and service-learning and how the merging of these through advocacy efforts can impact the socio-political landscape of the current educational environment in the U.S.
<b>Fleege, Pamela</b>	Ph.D.	LSU, 1990	Associate	Universal preschool education; assessment of young children; ethics and teacher education
<b>Graves, Stephen</b>	Ph.D.	South Carolina, 1986	Professor	Exemplary programs in Early Childhood Education; early childhood teacher education programs; parent-teacher-community partnerships
<b>Hall, Ann</b>	Ph.D.	Georgia, 1979	Instructor	Family literacy; vocabulary development; and literacy program designs

Name	Degree	Institution, year	Level	Research Interests
<b>Homan, Susan</b>	Ph.D.	Florida, 1978	Professor	Relationship between music, singing and middle and high school struggling readers; emergent literacy; diagnosis
<b>King, James</b>	Ed.D.	West Virginia, 1980	Professor	Literate identities constructed in service-learning contexts; struggling readers in early grades through middle school; masculinities in elementary school contexts
<b>Kragler, Sherry</b>	Ph.D.	University of Florida, 1986	Associate	Comprehension development of young children; professional development of teachers
<b>Laframboise, Kathryn</b>	Ph.D.	South Florida, 1989	Associate	Teacher education; children's literature
<b>Larkin, Elizabeth</b>	Ed.D.	Harvard, 1992	Associate	Professional development of educators; studying intergenerational initiatives that bring older adults and younger populations together for their mutual benefit
<b>Lippincott, Charlie</b>	Ed.D.	Arkansas, 1980	Assistant	Early childhood research
<b>Mann, Marcia</b>	Ph.D.	Nebraska, 1970	Professor	Teacher education; at-risk children
<b>Meadows, Rita</b>	Ph.D. Ed.D.	Florida, 1986 Vanderbilt, 1999	Instructor	Vocabulary development; professional development for teachers; NCLB
<b>Mo, Weimin</b>	Ed.D.	Indiana of Pennsylvania, 1993	Associate	Multicultural/international children's literature and picture books
<b>Morton, Mary Lou</b>	Ph.D.	Indiana, 1999	Associate	Teacher and student efficacy in schools serving students at risk for school success; teacher education
<b>Parker, Audra</b>	Ph.D.	Georgia, 2005	Assistant	Teacher education; school transitions
<b>Quinn, Suzanne</b>	Ph.D.	Syracuse, 2003	Assistant	Children's cultures, teachers' identities, and the intersection of these with social justice.
<b>Richards, Janet</b>	Ph.D.	New Orleans, 1985	Professor	Changes in pre-service teachers' belief and cognition in early field programs; reading and writing comprehension strategies; self-study of teaching practices; multiple literacies
<b>Rushton, Stephen</b>	Ph.D.	Tennessee, 1997	Associate	Teacher effectiveness; brain-research; personality types using the Myers-Briggs Personality Inventory
<b>Schneider, Jenifer</b>	Ph.D.	Ohio State, 1996	Associate	Children's writing development and effective writing instruction including the use of process drama and children's literature

Name	Degree	Institution, year	Level	Research Interests
Williams, Nancy	Ph.D.	LSU, 1989	Associate	Preparation of literacy teachers and vocabulary teaching and learning
Wilson, Pat	Ph.D.	University of New Hampshire, 1999	Assistant	Analysis of the reading of children; the study of children's use of art-based media as tools of thinking
<b>EDUCATIONAL LEADERSHIP</b>				
Benjamin, William	Ph.D.	George Peabody, 1961	Professor	Teacher education; elementary curriculum; secondary curriculum; educational policy and organizations
Bruner, Darlene	Ed.D.	South Florida, 1977	Associate	School work culture; the principalship; school reform issues
Evans, Philip Rodney	Ph.D.	Alberta, 1989	Associate	
Fauske, Janice	Ph.D.	Utah, 1985	Professor	Collaborative governance; organizational learning and change; efficacy of qualitative research methods
Greenlee, Bobbie	Ed.D.	South Florida, 1997	Assistant	Curriculum alignment; standards-based testing (especially FCAT)
Hill, Marie Somers	Ed.D.	Mississippi State, 1980	Professor	Safe schools; women's roles in leadership; learner-centered schools; higher education pedagogy
Janesick, Valerie	Ph.D.	Michigan State, 1977	Professor	Oral history; John Dewey's influence on education in the U.S. and other countries
Mullen, Carol	Ph.D.	Toronto, 1994	Associate	Mentoring; qualitative research design
Ponticell, Judith	Ph.D.	Illinois at Chicago, 1991	Professor	Individual and organizational learning and change; risk taking
Sutton, Len	Ph.D.	Florida, 1998	Assistant	Economics of education: legal aspects of education; principalship
<b>EDUCATIONAL MEASUREMENT</b>				
Carey, Lou	Ph.D.	Florida State, 1976	Professor	Classroom measurement/assessment; learner-centered assessment; educational program evaluation; research in instructional design
Chen, Yi-Hsin	Ph.D.	Arizona State, 2006	Assistant	Item response theory; cognitive psychology and measurement; secondary data analysis
Dedrick, Robert	Ph.D.	Michigan, 1988	Associate	The use of structural equation modeling to examine measurement quality of psychological instruments; the analysis of

Name	Degree	Institution, year	Level	Research Interests
				change using hierarchical linear modeling; and mentoring in doctoral education
<b>Ferron, John</b>	Ph.D.	North Carolina at Chapel Hill, 1993	Professor	Analysis of single-case data; growth curve modeling, structural equation modeling
<b>Hines, Constance</b>	Ph.D.	Ohio State, 1981	Professor	Factor analysis; measurement of teacher behavior and factors that mediate the effect of teacher behavior on student achievement
<b>Kromrey, Jeffrey</b>	Ph.D.	South Florida, 1989	Professor	Meta-analysis; indices of effect magnitude; robustness and power of statistical tests
<b>Onwuegbuzie, Tony</b>	Ph.D.	South Carolina, 1993	Associate	Disadvantaged and under-served populations such as minorities, children living in war zones, students with special needs.
<b>SCHOOL OF PHYSICAL EDUCATION, WELLNESS AND SPORT STUDIES</b>				
<b>Ashley, Candi</b>	Ph.D.	Alabama, 1995	Associate Exercise Science	Heat stress, particularly in response to protective clothing
<b>Bie, Bonnie</b>	Ph.D.	Florida State, 1994	Assistant Physical Education	Innovative practices in teacher preparation and beginning teacher induction.
<b>Cuppett, Marchell</b>	Ed.D.	Northern Iowa, 1998	Assistant Athletic Training	Athletic training education; technology in education; ACL injuries in the female athlete
<b>Eickhoff-Shemek, Joann</b>	Ph.D.	Nebraska, 1995	Professor Exercise Science	Risk management/legal liability of fitness programs and facilities; worksite health promotion; health/fitness program management
<b>Faucette, Nell</b>	Ed.D.	Georgia, 1984	Professor	Pre-service and in-service teacher professional development
<b>Kilpatrick, Marcus</b>	Ph.D.	Texas at Austin, 1999	Assistant Exercise Science	Physical activity behavior and adherence – specifically, exercise and sport motivation and the impact of physical activity on psycho-physiological states such as arousal, exertion, and affect.
<b>Sanders, Stephen</b>	Ed.D.	Virginia Tech, 1993	Professor Physical Education	Early childhood physical activity
<b>Stewart, Michael</b>	Ph.D.	Ohio State, 1977	Professor Physical Education	Identifying variables that contribute to perceived psychological stress among sport officials; teaching and coaching behavior of effective and ineffective coaches

Name	Degree	Institution, year	Level	Research Interests
<b>Vanguri, Pradeep</b>	Ph.D.	Alabama, 2005	Assistant Athletic Training	Athletic training education; faculty development; instructional technology
<b>Wilcox, Ralph</b>	Ph.D.	Alberta, Canada, 1982	Professor Sport Studies	Sport, popular culture and globalization; transformative leadership in higher education
<b>PSYCHOLOGICAL AND SOCIAL FOUNDATIONS</b>				
<b>Baggerly, Jennifer</b>	Ph.D.	North Texas, 1999	Associate, Counselor Education	Play therapy; trauma intervention training effectiveness; school counselors' characteristics
<b>Batsche, Jr., George</b>	Ed.D.	Ball State, 1978	Professor, School Psychology	School violence; mental health service delivery systems in schools; problem-solving and intervention-based service delivery models
<b>Bostow, Darrel</b>	Ph.D.	Southern Illinois, 1970	Professor, Educational Psychology	Programmed instruction; computer instruction; instructional design
<b>Bradley-Klug, Kathy</b>	Ph.D.	Lehigh, 1996	Associate, School Psychology	Assessment and intervention strategies for children and adolescents with pediatric health issues; development of a collaborative model for improving the communication between educational personnel and health care professionals
<b>Cobb-Roberts, Deidre</b>	Ph.D.	Illinois at Urbana-Champaign, 1998	Associate, Social Foundations	History of American higher education; women's educational history; post WWII student-community partnerships; teacher education and resistance to diversity
<b>Curtis, Michael</b>	Ph.D.	Texas at Austin, 1974	Professor, School Psychology	Consultation, collaborative planning and problem solving; organizational/systems change; school-based educational and mental health services delivery systems
<b>DeMarie, Darlene</b>	Ph.D.	Florida, 1988	Associate, Educational Psychology	Memory development; children's strategies for learning and the utilization deficiency period in strategy development; the relation between knowledge and memory
<b>Dron, Sherman</b>	Ph.D.	Pennsylvania, 1992	Associate, Social Foundations	Historical and social-science perspectives on high stakes accountability; Florida education policy; 20 <sup>th</sup> century history of special education
<b>Exum, Herbert</b>	Ph.D.	Minnesota, 1978	Professor, Counselor Ed	Multicultural counseling, psychotherapy, and cognitive development; community mental health; veterans' affairs



Name	Degree	Institution, year	Level	Research Interests
<b>Henry, Wilma</b>	Ed.D.	East Texas State, 1980	Associate, College Student Affairs	Student affairs administration; functional areas of student wellness (student retention, residence life, student health, and student recreation)
<b>Johanningmeier, Erwin</b>	Ph.D.	Illinois, 1967	Professor, Social Foundations	Race ethnicity and education in the U.S.; history of educational research and its relationship to progressivism
<b>Keller, Harold</b>	Ph.D.	Florida State, 1968	Professor, School Psychology	Home-school collaboration and caregiver involvement; multiple assessment/intervention approaches, ecological variables, and risk and protective factors for academic and social/emotional problems
<b>Lopez, Lisa</b>	Ph.D.	Miami (Florida), 2001	Assistant, Educational Psychology	Development of bilingual language and literacy skills in English language learners; phonological awareness and the cross language transfer of oral language and pre-literacy skills; parent involvement in young children's education
<b>Marfo, Kofi</b>	Ph.D.	Alberta, 1985	Professor, Educational Psychology	Early childhood development and school readiness; atypical development and early intervention; parent-child interaction and child development
<b>Marshall, Richard</b>	Ph.D.	Georgia, 1992	Associate, Educational Psychology	ADHD; the neurobiological bases of learning problems and behavior disorders; reading disabilities
<b>Mathur, Smita</b>	Ph.D.	Syracuse, 2000	Assistant, Educational Psychology	Acculturation and development of ethnic identity among Asian immigrants; family involvement in schools among culturally and linguistically diverse groups; adolescent literacy and teacher preparation
<b>McBrien, J. Lynn</b>	Ph.D.	Emory, 2005	Assistant, Social Foundations	Acculturation, discrimination, and academic motivation of refugee students; preparing teachers to help internationally diverse students succeed; effects of globalization on international education; and media literacy for social justice and human rights
<b>Mitcham-Smith, Michelle</b>	Ph.D.	Central Florida, 2005	Assistant, Counselor Ed	School counselor self-efficacy; school counselor role; effects of divorce on children
<b>Osborn, Debra</b>	Ph.D.	Florida State, 1998	Associate, Counselor Ed	Career development in youth and young adults; career development issues with high risk youth; use of technology in training
<b>Raffaele-Mendez, Linda</b>	Ph.D.	Texas at Austin, 1993	Associate, School Psychology	Home-school-community collaboration (in particular, with families whose children have special needs); gender equity in schools; alternatives to suspension and expulsion

Name	Degree	Institution, year	Level	Research Interests
<b>Rodriguez, Tomas</b>	Ph.D.	Johns Hopkins, 1999	Assistant, Social Foundations	Sociology of education; educational and social inequality; immigration, ethnicity and education; children of immigrants in school and society
<b>Shircliffe, Barbara</b>	Ph.D.	SUNY at Buffalo, 1997	Associate, Social Foundations	History of education; school policy; school desegregation; school-community relations
<b>Street, Marian</b>	Ph.D.	Florida, 1980	Associate, Counselor Ed	Self-perception and self-esteem; strategies for development of resilience in at-risk adolescents; interventions for Hispanic girls and other at-risk adolescents
<b>Suldo, Shannon</b>	Ph.D.	South Carolina, 2004	Assistant, School Psychology	Developmental course of life satisfaction during youth; positive indicators of children's psychological well-being and strength-based assessment and treatment; effects of parenting behaviors on adolescent mental health
<b>Tan, Tony</b>	Ed.D.	Harvard, 2004	Assistant, Educational Psychology	Adoption, specifically Chinese children's post-adoption social/emotional adjustment and language development; Chinese adoptees' ethnic identity development; adoptive mothers' concerns about their adopted daughters
<b>Zalaquett, Carlos</b>	Ph.D.	Texas, 1993	Assistant, Counselor Ed	Psychotherapy and counseling techniques; multicultural counseling; characteristics of successful Latino students
<b>SECONDARY EDUCATION ~English Education~</b>				
<b>Applegate, Jane</b>	Ph.D.	Ohio State, 1978	Professor	Women in administration, teacher education, field experiences
<b>Daniel, Pat</b>	Ph.D.	Oklahoma, 1991	Associate	Identity issues: using literature to help troubled teenagers; teaching writing
<b>Kaywell, Joan</b>	Ph.D.	Florida, 1987	Professor	Using literature to help troubled teenagers cope with abuse issues; team teaching with counselors: working with illiterate teenagers in emotional pain
<b>Vasquez, Anete</b>	Ph.D. candidate	South Florida	Instructor	Teacher efficacy; reading in the content area

Name	Degree	Institution, year	Level	Research Interests
<b>SECONDARY EDUCATION</b> ~Foreign Language / ESOL Education~				
<b>Erben, Tony</b>	Ph.D.	Lancaster (England), 2000	Assistant	Immersion education; sociocultural theory; critical literacy in FLE; curriculum development; technology in the FL classroom
<b>Evans, Linda</b>	Ph.D.	South Florida, 1997	Assistant	Immersion/bilingual education; ESL, literacy, and teacher development
<b>Feyten, Carine</b>	Ph.D.	South Florida, 1988	Professor	Listening; language learning/teaching methodologies; FLES; integration of technology into teaching.
<b>van Olphen, Marcela</b>	Ph.D.	Purdue, 2002	Assistant	Foreign language teacher education (including the integration of technology and social justice issues); bilingual education and ESOL; Heritage learners and language maintenance.
<b>Smith, Phil</b>	Ph.D.	South Florida, 2005	Instructor	Pre-service education programs, and student-teacher attitudes toward mainstreaming ESOL students, and teachers' perceptions and attitudes towards ESOL students.
<b>SECONDARY EDUCATION</b> ~Instructional Technology ~				
<b>Barron, Ann</b>	Ed.D.	Central Florida, 1991	Professor	Appropriate use of audio in e-Learning; trends in distance education; design and development of instructional websites.
<b>Breit, Frank</b>	Ph.D.	Texas at Austin, 1968	Associate	Technology literacy and teacher technology support
<b>Kealy, William</b>	Ph.D.	Arizona State, 1989	Associate	Adjunct graphic displays and learning from text; role of message design on processing motivation; visualization and multivariate data displays
<b>Kennedy, Colleen</b>	Ph.D.	Washington, 1976	Professor	Use of technology in K-12 education; factors that hinder the acquisition and use of technology among teachers
<b>Smith, Glenn</b>	Ph.D.	Arizona State, 1998	Assistant	Experimental research on spatial cognition; qualitative research on visual e-learning; action-research on Geographic Information Systems in education
<b>White, Jim</b>	Ph.D.	South Florida, 1989	Associate	Instructional technology research methods and instrumentation

Name	Degree	Institution, year	Level	Research Interests
<b>SECONDARY EDUCATION ~Mathematics Education ~</b>				
Austin, Richard	Ph.D.	Florida, 1983	Associate	Use of technology in mathematics education; use of literature to engage middle school students in studying mathematics; assessment of mathematical knowledge
Gerretson, Helen	Ph.D.	Florida, 1998	Assistant	Mathematical (content and pedagogical) development of school teachers; teacher professional development models; mathematics in the content areas
Kersaint, Gladis	Ph.D.	Illinois State, 1998	Associate	Pre- and in-service teacher education; learning and teaching with technology; improvement of students' reasoning skills.
Thompson, Denisse	Ph.D.	Chicago, 1992	Professor	Curriculum development; assessment issues; use of literature in the teaching of mathematics
<b>SECONDARY EDUCATION ~Science Education ~</b>				
Howes, Elaine	Ph.D.	Michigan State, 1997	Assistant	"Science for all," especially for girls; cultural and language diversity in science education; pre-service and in-service science teacher education
Spector, Barbara	Ph.D.	Syracuse, 1977	Professor	Science education reform
Zeidler, Dana	Ph.D.	Syracuse, 1982	Professor	Socioscientific Issues; argumentation and discourse patterns in science education; moral and ethical issues in science; epistemology and nature of science
<b>SECONDARY EDUCATION ~Social Science Education ~</b>				
Berson, Michael	Ph.D.	Toledo, 1993	Associate	Global child advocacy; technology in social studies education
Cruz, Barbara	Ed.D.	Florida International, 1990	Professor	Global and multicultural perspectives in education with an emphasis on ethnic minority students; innovative teacher preparation practices
Duplass, James	Ph.D.	Saint Louis, 1974	Professor	Philosophical foundations of social sciences education; technology integration; methods of instruction and competing conceptions of curriculum for social sciences education

Name	Degree	Institution, year	Level	Research Interests
Johnston, Howard	Ph.D.	Wyoming, 1974	Professor	Middle school education; secondary school reform; equity and student performance; school leadership development and school improvement
Puglisi, Dick	Ph.D.	Georgia State, 1973	Professor	Free enterprise and economic education
Thornton, Stephen	Ph.D.	Stanford, 1985	Professor	Social studies education; study of geography and history; curriculum and teacher education
<b>SPECIAL EDUCATION</b>				
<b>Allsopp, David</b>	Ph.D.	Florida, 1995	Associate	Effective mathematics instruction for students with learning problems; effective social skills instruction for students with learning and behavioral problems; effective academic interventions for postsecondary students with learning disabilities & ADHD
<b>Churton, Michael</b>	Ed.D.	Southern Mississippi, 1979	Professor	Special education and distance learning
<b>Colucci, Karen</b>	Ph.D.	South Florida, 1994	Instructor	Teacher education; case-based instruction; partnerships and mentor development
<b>Cranston-Gingras, Ann</b>	Ph.D.	South Florida, 1987	Professor	Migrant education and special education
<b>Doone, Elizabeth</b>	Ph.D.	South Florida, 1998	Instructor	Teacher education and partnership development
<b>Duchnowski, Albert</b>	Ph.D.	Vanderbilt, 1969	Professor	Policy research that will lead to systematic changes in education and social service agencies
<b>Jones, Phyllis</b>	Ph.D.	Northumbria, 2002	Assistant	Parents; inclusion; the voices of children and families and teacher learning
<b>Kleinhammer-Tramill, Jeannie</b>	Ph.D.	Kansas, 1981	Professor	Special education policy, including the role of federal and state support for personnel preparation in special education
<b>Knopp, Tanice</b>	Ph.D.	Florida, 2000	Assistant	Beginning teacher and mentor teacher needs; collaborative programming for students with severe and complex needs; reflection in teacher education
<b>Loeding, Barbara</b>	Ph.D.	Purdue, 1989	Associate Special Ed / Gifted	Sign language and assessment of individuals who are deaf, blind or have a physical impairment
<b>Matthews, Michael</b>	Ph.D.	Georgia, 2002	Assistant	Cultural and linguistic diversity in gifted education; underachievement among gifted learners; youth leadership

Name	Degree	Institution, year	Level	Research Interests
<b>Alvarez McHatton, Patrician</b>	Ph.D.	South Florida, 2004	Assistant	Teacher preparation with an emphasis on secondary special education; experiential learning; participatory action research focused on youth empowerment
<b>Paul, James</b>	Ed.D.	Syracuse, 1967	Professor Special Ed / Gifted	Emotional and behavioral disorders; special education policy; narrative, ethics, and philosophies of research
<b>Shaunessy, Elizabeth</b>	Ph.D.	Southern Mississippi, 2003	Assistant	Gifted children with Asperger Syndrome; culturally diverse gifted learners; the use of technology in gifted education
<b>Singh, Surrendra</b>	Ed.D.	UCLA, 1967	Professor	Learning disabilities; psychological, neuropsychological, and education assessment
<b>Thomas, Daphne</b>	Ph.D.	North Carolina at Chapel Hill, 1989	Associate	Families of children with disabilities, multi-cultural education, teacher preparation and cross-cultural competence
<b>Townsend, Brenda</b>	Ph.D.	Kansas, 1991	Professor	Schooling issues related to African American children; development of culturally responsive pedagogy
<b>White, Julia</b>	M.A.	George Washington, 1993	Instructor	Critical Race Theory, inclusive education and human rights, multiculturalism, educational policy, and cultural representations of disability

## College of Engineering

Name	Degree	Institution, year	Level	Research Interests
<b>BIOMEDICAL ENGINEERING</b> - Contact program for information				
<b>CHEMICAL ENGINEERING</b> - Contact program for information				
<b>CIVIL AND ENVIRONMENTAL ENGINEERING</b> - Contact program for information				
<b>COMPUTER SCIENCE AND ENGINEERING</b>				
<b>Albrecht, William*</b>	Ph.D.	University of South Florida, 1994.	Associate Instructor	
<b>Christensen, Kenneth</b>	Ph.D.	North Carolina State, 1991	Associate Professor	Performance Evaluation of Computer Networks
<b>Goldgof, Dmitry</b>	Ph.D.	University of Illinois, Urbana-Champaign, 1989	Professor	Image Analysis, Bioinformatics, Pattern Recognition
<b>Hall, Lawrence</b>	Ph.D..	Florida State University, 1986	Professor	AI, Data Mining, Pattern Recognition
<b>Harlow, Justin*</b>	M.S.	Duke University, 1994	Instructor	VLSI Systems, Design Metrics and Optimization
<b>Iamnitchi, Adriana</b>	Ph.D..	University of Chicago, 2003	Assistant Professor	Distributed Systems
<b>Jeanty, Henrick*</b>	Ph.D..	City College of New York, 1990	Instructor	
<b>Kandel, Abraham</b>	Ph.D..	University of New Mexico, 1977	Professor	Intelligent and Autonomous Systems, Neural Networks, Fuzzy Set Theory
<b>Kasturi, Rangachar</b>	Ph.D..	Texas Tech University, 1982	Professor and Chair	Computer Vision, Image Processing, Pattern Recognition
<b>Katkoori, Srinivas</b>	Ph.D..	University of Cincinnati, 1998	Associate Professor	VLSI, High-Level Synthesis, Low-Level Synthesis
<b>Kellner, Edward*</b>	M.A.	University of South Florida, 1994	Instructor	
<b>Kim, Soontae</b>	Ph.D..	Pennsylvania State University, 2003	Assistant Professor	Computer Architecture, Embedded Computing, Reliable System Design
<b>Labrador, Miguel</b>	Ph.D..	University of Pittsburgh, 2000	Assistant Professor	Active Queue Management, TCP-Friendliness, QoS
<b>Murphy, Robin</b>	Ph.D..	Georgia Institute of Technology, 1992	Professor	Artificial Intelligence, Robotics

Name	Degree	Institution, year	Level	Research Interests
<b>Perez, Rafael</b>	Ph.D..	University of Pittsburgh, 1973	Professor and Associate Dean for Academics, College of Engineering	Artificial Intelligence, Neural Networks, Genetic Algorithms
<b>Piegl, Les</b>	Ph.D..	Eotvos Lorand University, Budapest, 1982	Professor	Computer-Aided Geometric Design, Computer Graphics, Geometric Modeling
<b>Ranganathan, Nagarajan</b>	Ph.D..	University of Central Florida, 1988	Professor	VLSI System Design, Hardware Algorithms, Computer Architecture
<b>Rundus, Dewey</b>	Ph.D..	Stanford University, 1971	Associate Professor	Human-Computer Interaction, Evaluation of System Usability
<b>Sarkar, Sudeep</b>	Ph.D..	Ohio State University, 1993	Professor	Computer Vision, Biometrics, Gait Recognition
<b>Tindell, Ralph*</b>	Ph.D..	Florida State University, 1967	Instructor	
<b>Tripathi, Rahul</b>	Ph.D..	University of Rochester, 2005	Assistant Professor	Quantum and Classical Complexity Theory, Algorithms
<b>Turner, Rollins*</b>	Ph.D..	University of Massachusetts, 1982	Instructor	
<b>Valavanis, Kimon</b>	Ph.D..	Rensselaer Polytechnic Institute, 1986	Professor	Intelligent Systems, Robotics and Automation
<b>Varanasi, Murali</b>	Ph.D.	University of Maryland, 1973	Professor	Coding Theory, Computer Arithmetic, VLSI Design
<b>Wang, Jing*</b>	Ph.D.	Vanderbilt University, 2005	Instructor	Computer Animation, Motion Capture
<b>Zheng, Hao</b>	Ph.D.	University of Utah, 2001	Assistant Professor	VLSI Design, Computer Architecture, Asynchronous Circuit Design
<b>ELECTRICAL ENGINEERING</b> - Contact the program for information				
<b>INDUSTRIAL AND MECHANICAL ENGINEERING</b> - Contact the program for information				



## College of Marine Science

Name	Degree	Institution, year	Level	Research Interests
<b>Betzer, Peter R.</b>	Ph.D.	University of Rhode Island, 1971	Professor Professor	Geochemical cycling of particulate material; atmospheric and river transport of particles to the oceans
<b>Blake, Norman J.</b>	Ph.D.	University of Rhode Island, 1972	Full Professor	Marine invertebrate ecology; aquaculture of bivalves; histopathology and reproductive biology
<b>Breitbart, Mya</b>	Ph.D.	University of California, San Diego, 2006	Assistant Professor	Marine viruses; microbial diversity and genetic exchange; marine viral diseases
<b>Byrne, Robert H.</b>	Ph.D.	University of Rhode Island, 1974	Distinguished University Professor	Speciation and behavior of trace metals; marine CO <sub>2</sub> system; in-situ sensor development
<b>Carder, Kendall L.</b>	Ph.D.	Oregon State University, 1970	Full Professor	Light propagation in the ocean; interpretation of ocean color from space.
<b>Coble, Paula G.</b>	Ph.D.	Massachusetts Institute of Technology – Woods Hole Oceanographic Institution, 1990	Associate Professor	Sources, cycling, optical properties and chemical composition of dissolved organic carbon
<b>Daly, Kendra L.</b>	Ph.D.	University of Tennessee, 1995	Assistant Professor	Zooplankton ecology; role of zooplankton in biogeochemical cycles; physical controls of zooplankton distributions
<b>Fanning, Kent A.</b>	Ph.D.	University of Rhode Island, 1973	Full Professor	Nutrient cycling and dynamics; ammonia production and cycling; advanced techniques for nutrient measurements
<b>Flower, Benjamin P.</b>	Ph.D.	University of California, Santa Barbara, 1993	Associate Professor	Role of high latitudes in past global climate change; evolution of the ocean-climate system; stable isotopes of carbon and oxygen
<b>Galperin, Boris</b>	Ph.D.	Technion-Israel Institute of Technology, 1982	Associate Professor	Numerical modeling of estuarine and shelf circulation; turbulence theory; Renormalization Group Methods
<b>Garcia-Rubio, Luis</b>	Ph.D.	McMaster University, 1981	Full Professor	Sensor development for real-time monitoring of biological and environmental systems; quantitative characterization of micron and sub-micron size particles
<b>Hallock Muller, Pamela</b>	Ph.D.	University of Hawaii, 1977	Full Professor	Coral reef health; response of reefs to environmental change; use of foraminifera as bioindicators of reef ecology

Name	Degree	Institution, year	Level	Research Interests
<b>Hine, Albert C.</b>	Ph.D.	University of South Carolina, 1975	Full Professor	Stratigraphy and sedimentary processes along continental margins; coastal geology of barrier-island and marsh-dominated coastlines; continental shelves, reefs, and carbonate platforms
<b>Hollander, David</b>	Ph.D.	Swiss Federal Institute of Technology, 1989	Associate Professor	Isotopic biogeochemistry and organic geochemistry; paleoenvironmental reconstructions; origin of organic-rich deposits; chemical sedimentology
<b>Howell, Michael W.</b>	Ph.D.	University of South Carolina, 1988	Associate Professor	Paleoceanography and paleoclimates; paleoceanography of Mediterranean Sea; formation of organic-rich sapropels
<b>Luther, Mark E.</b>	Ph.D.	University of North Carolina, 1982	Associate Professor	Numerical modeling of ocean processes; large-scale ocean circulation and its relation to climate change; development of sensor technologies for ocean observing systems
<b>Mann, David</b>	Ph.D.	Massachusetts Institute of Technology – Woods Hole Oceanographic Institution, 1995	Assistant Professor	Marine bioacoustics; hearing and sound production in fishes; interactions between cetaceans and sound-producing fishes
<b>Mitchum, Gary</b>	Ph.D.	Florida State University, 1984	Full Professor	Sea level change; equatorial inertia gravity waves; propagation of oceanic eddies; satellite altimetry
<b>Muller-Karger, Frank E.</b>	Ph.D.	University of Maryland, 1988	Full Professor	Use of satellite remote sensing to investigate marine primary production; the importance of continental margins, including areas of upwelling, river discharge, and coral reefs, in the global carbon budget
<b>Naar, David F.</b>	Ph.D.	University of California, San Diego, Scripps Institution of Oceanography, 1990	Associate Professor	Mid-ocean ridge processes; microplate tectonics; time-dependent plate tectonic phenomena
<b>Paul, John H.</b>	Ph.D.	University of Miami, 1980	Distinguished University Professor	Marine microbial ecology; use of gene expression to understand microbially-mediated processes in the oceans; sensor development
<b>Pyrtle, Ashanti J.</b>	Ph.D.	Texas A&M University, 1999	Assistant Professor	Distribution, behavior, transport and retention of radionuclides in inland and coastal ecosystems; educational and professional development of students representing diverse socioeconomic, cultural, gender, racial and academic backgrounds.
<b>Quinn, Terrence M.</b>	Ph.D.	Brown University, 1989	Full Professor	Use of stable isotope and elemental geochemistry to reconstruct earth history; tropical ocean-atmospheric dynamics; behavior of the earth during periods of global warmth

Name	Degree	Institution, year	Level	Research Interests
<b>Torres, Joseph J.</b>	Ph.D.	University of California, Santa Barbara, 1980	Full Professor	Physiology and ecology of pelagic crustaceans, gelatinous organisms, and fishes; food web energy fluxes and adaptation to temperature and oxygen levels
<b>Van Vleet, Edward S.</b>	Ph.D.	University of Rhode Island, 1978	Full Professor	Biogeochemical cycling of natural and anthropogenic organic compounds in the marine environment; use of organic compounds as molecular markers; marine pollution
<b>Vargo, Gabriel A.</b>	Ph.D.	University of Rhode Island, 1976	Associate Professor	Physiological ecology of phytoplankton; nutrient utilization and the determination of in situ growth rates; Harmful Algal Blooms (HABs)
<b>Walsh, John J.</b>	Ph.D.	University of Miami, 1969	Distinguished University Professor	Biogeochemical cycling of elements within continental margins; use of physical-biochemical models to simulate carbon, nitrogen, and oxygen fluxes through food webs; global cycles of greenhouse gases.
<b>Weisberg, Robert H.</b>	Ph.D.	University of Rhode Island, 1975	Full Professor	Ocean circulation and ocean-atmosphere interaction studies in the tropics, on continental shelves, and in estuaries

## College of Medicine

For information about faculty and research areas in the College of Medicine, contact the program or refer to the website:  
<http://hsc.usf.edu/medicine>

Name	Degree	Institution, year	Level	Research Interests
<b>ANATOMY</b> - Contact the program for information				
<b>BIOCHEMISTRY</b> - Contact the program for information				
<b>BIOETHICS AND MEDICAL HUMANITIES</b> - Contact the program for information				
<b>MEDICAL MICROBIOLOGY</b> - Contact the program for information				
<b>PATHOLOGY</b> - Contact the program for information				
<b>PHARMACOLOGY</b> - Contact the program for information				
<b>PHYSICAL THERAPY</b> - Contact the program for information				

## College of Nursing

Name	Degree	Institution, year	Level	Research Interests
<b>Albright, Patricia G.</b>	ARNP, MPH	UNC, Chapel Hill, NC 1996	Instructor	Community Health Nursing
<b>Alia-Harding, Cathy</b>	ARNP, MS	USF, Tampa, FL 1993	Instructor	Geriatric Medicine
<b>Beckie, Theresa</b>	Ph.D.	University of Alberta, Canada 1994	Associate Professor	Cardiac Rehab Women's Health
<b>Beckstead, Jason W.</b>	Ph.D.	SUNY, Albany, NY 1990	Associate Professor	Statistics Behavior
<b>Berarducci, Adrienne</b>	ARNP, Ph.D.	USF, Tampa, FL 2001	Assistant Professor	Osteoporosis Obesity
<b>Blasen, Linda</b>	ARNOP, MSN	USF, Tampa, FL, 1990	Instructor	Primary Care Acute Care
<b>Bouchard, Christine</b>	ARNP, MSN, MPH	USF, Tampa, FL 1999	Instructor	Occupational Health Nursing
<b>Breiter, Dorit</b>	ARNOP, MSN	USF, Tampa, FL 2001	Instructor	Psychiatric Nursing
<b>Burns, Candace</b>	ARNP, Ph.D.	University of Michigan, Ann Arbor, MI, 1980	Associate Professor	Occupational Health Nursing
<b>Burns, Patricia</b>	Ph.D.	SUNY, Buffalo, NY 1988	Professor	Incontinence
<b>Cadena, Sandra J.</b>	ARNP, Ph.D.	UF, Gainesville, FL	Assistant Professor	GeroPsychiatry International Health
<b>Cahill, Kathleen</b>	ARNP, MSN	USF, Tampa, FL 1990	Instructor	Pain Management
<b>Cantero, Deborah H.</b>	ARNP, MS	USF, Tampa, FL 1988	Instructor	Osteoporosis
<b>Canty-Mitchell, Janie</b>	Ph.D.	University of Miami, Coral Gables, FL 1993	Associate Professor	Asthma Adolescence Cultural Competence
<b>Dubois, Janet</b>	ARNP, MS	USF, Tampa, FL 1994	Instructor	Primary Care Higher Ed
<b>Edmonds, Allison</b>	ARNOP, MS	USF, Tampa, FL 1998	Instructor	Obesity Adolescents
<b>Edwards, Sharon</b>	Ph.D.	St. Louis University, St. Louis, MO 2002	Assistant Professor	Cardiac Health
<b>Evans, Mary</b>	Ph.D.	SUNY, Albany, NY 1976	Professor and Associate Dean	Adolescence Systems of Care

Name	Degree	Institution, year	Level	Research Interests
<b>Fanning, Jane</b>	ARNP, Ed.D.	University of Sarasota, Sarasota, FL 1998	Assistant Professor	Obesity
<b>Garrison, Christopher</b>	ARNP, MSN	George Mason University, Fairfax, VA	Instructor	Geriatric Primary Care
<b>Gerton, Norma</b>	ARNP, MSN	Northeastern University Boston, MA 2000	Instructor	Community Health Outreach
<b>Gonzalez, Laura</b>	ARNP, MSN	USF, Tampa, FL 1996	Instructor	Minority Health Virtual Reality
<b>Gonzalez, Lois</b>	ARNP, Ph.D.	USF, Tampa, FL 1988	Associate Professor	Alternative Therapies Mental Health
<b>Gorzka, Patricia</b>	Ph.D.	Adelphi University, Garden City, NY 1988	Associate Professor	Adult Learning
<b>Gregory, S. Joan</b>	RNP, Ph.D.	UF, Gainesville, FL 1977	Associate Professor	Primary Care
<b>Gwinn, Clyde</b>	MD	Pennsylvania State University University Park, PA 1974	Assistant Professor	Pathophysiology
<b>Harris, Tomika</b>	ARNP, MSN	University of Rochester	Instructor	Primary Care
<b>Jerla, Kathleen</b>	ARNP, MSN	MCP Hahnemann University, Philadelphia, 2000	Instructor	Pediatric Primary Care
<b>Jevitt, Cecilia</b>	CNM, Ph.D.	USF, Tampa, FL 1994	Assistant Professor	Post-Partum Depression Obesity
<b>Johnson, Afriyie</b>	ARNOP, MSN	Michigan State University 1998	Instructor	Cultural Competence
<b>Johnson-Mallard, Versie</b>	ARNP, Ph.D.	USF, Tampa, FL 2005	Post Doc	Women's Health
<b>Jones, Kimberly</b>	ARNP, MS	USF, Tampa, FL 1994	Instructor	Acute Care
<b>Joustra, Linda</b>	ARNP, MSN	University of Phoenix, 2001	Instructor	Women and Children
<b>Karshmer, Judith F.</b>	ARNP, Ph.D.	New Mexico State University, Las Cruces, NM, 1988	Professor and Associate Dean	Nursing Leadership
<b>Lennerth, Linda</b>	MSN	UF, Gainesville, FL 1992	Instructor	Adult Learning
<b>Kay, Lilyan</b>	CNM, ARNP, MSN	Georgetown University, Washington D.C. 1988	Instructor	Women's Health
<b>Kuster, Patricia</b>	ARNP, Ph.D.	UCLA, Los Angeles, CA 2002	Assistant Professor	Pediatric Pulmonary

Name	Degree	Institution, year	Level	Research Interests
<b>Lehman, Brandy</b>	ARNP, MS	University of Wisconsin, Milwaukee, WI, 2000	Instructor	Care-givers
<b>Lengacher, Cecile</b>	Ph.D.	Marquette University, Milwaukee, WI 1983	Professor	Stress Reduction Alternative Therapies
<b>Little, Barbara</b>	MPH	USF, Tampa, FL 2000	Instructor	Community Health School Health
<b>McCallister, Patricia</b>	ARNP, MS	University of South Carolina, 1989	Instructor	Maternal Child Health
<b>McMillan, Susan</b>	Ph.D.	USF, Tampa, FL 1983	Professor	Pain Palliative Care
<b>Molloy, Jenny</b>	ARNP, MSN	USF, Tampa, FL 2004	Instructor	Maternal Child Health
<b>Moody, Linda</b>	Ph.D.	UF, Gainesville, FL 1977	University Distinguished Professor	Informatics
<b>Morris, Joan</b>	ARNP, MSN	William Patterson University, Wayne, NJ, 1998	Instructor	Primary Care
<b>Morris, Steve</b>	MD	USF, Tampa, FL 1991	Instructor	Bioterrorism Disaster Management
<b>Nye, Carla</b>	MS	University of Washington, Seattle, Washington 1990	Instructor	Maternal Child Health
<b>Overcash, Janine</b>	ARNP, Ph.D.	USF, Tampa, FL 2001	Assistant Professor	Geriatric Assessment
<b>Rankin, Frances</b>	ARNP, Ph.D.	USF, Tampa, FL 2000	Assistant Professor	Diabetes Obesity Cardiovascular
<b>Redding, Barbara</b>	Ed.D.	UF, Gainesville, FL 1982	Professor	Adult Learning Nursing Education
<b>Slocumb, Elaine</b>	Ph.D.	University of Connecticut, Storrs, CT 1989	Assistant Professor	Informatics
<b>Slone, Frederick</b>	MD	Johns Hopkins, 1978	Instructor	Bioterrorism Disaster Management
<b>Villagomez, Liwliwa</b>	MSN	USF, Tampa, FL 2005	Instructor	Spirituality in Health Care
<b>Webb, Mary</b>	Ph.D.	UF, Gainesville, FL 1993	Associate Professor	Hypertension (Af-Americans)

**College of Public Health**

Name	Degree	Institution, year	Level	Research Interests
<b>COMMUNITY AND FAMILY HEALTH</b>				
<b>Baldwin, Julie</b>	Ph.D.	The Johns Hopkins University, School of Hygiene and Public Health, Baltimore (1991)	Professor	HIV/AIDS and substance abuse prevention Health issues for Native American populations Community-based participatory research
<b>Branch, Laurence</b>	Ph.D.	Loyola University, Chicago (1971)	Full Professor	Gerontology, Elder Abuse, Public Health, Health Promotion and Disease Prevention, Health Policy, Survey Research
<b>Bryant, Carol</b>	Ph.D.	University of Kentucky, Kentucky (1978)	Full Professor	Psychosocial determinants of health behavior; Behavioral and social determinants of Breast Cancer screening; Social and cultural determinants of infant feeding.
<b>Coreil, M. Jeannine</b>	Ph.D.	University of Kentucky, Lexington (1979)	Full Professor	Support groups and chronic diseases; Lymphatic filariasis in Haiti; Cancer education and prevention; Gender and health; Qualitative research
<b>Coulter, Martha</b>	DrPH	University of North Carolina, Chapel Hill (1984)	Full Professor	Maternal and child health; Family violence; Children with special needs.
<b>Daley, Ellen</b>	Ph.D.	University of South Florida, Tampa (2000)	Assistant Professor	Women's health; Sexually transmitted diseases; Human Papillomavirus; Adolescent health; Health risk-taking behaviors; Temperament type
<b>Darr, David</b>	MD	The George Washington University, Washington (1971)	Assistant Professor	Perinatal data; Relationship of physician or hospital volume to outcomes in preterm labor; Accuracy of gestational age determinations in vital statistics
<b>Forthofer, Melinda</b>	Ph.D.	University of Michigan, Ann Arbor (1996)	Associate Professor	Community-based prevention research; Social determinants of health; Stress, coping & social support; Applied research methodology; Evaluation research
<b>Gorski, Peter</b>	MD	Tufts University School of Medicine, Boston (1974)	Professor	Infant and early childhood development; Children's emotional development; Social capital and child development; Social determinants of health and disease; Infant mental health; Understanding factors influencing disparities in health outcomes.
<b>Graven, Stanley</b>	MD	University of Iowa, Iowa City (1956)	Full Professor	Physical and developmental environment of the high risk newborn; Fetal and neonatal sensory development; Early learning in children with special needs and developmental problems



Name	Degree	Institution, year	Level	Research Interests
<b>Gulitz, Elizabeth</b>	Ph.D.	Illinois State University, Normal (1983)	Associate Professor	Adolescent health; Maternal and infant health; Teen pregnancy; Program evaluation.
<b>Jensen, Jeff</b>	DO	Michigan State University, East Lansing (1980)	Adjunct Assistant Professor	
<b>Liller, Karen</b>	Ph.D.  EdS	University of South Florida, Tampa (1988)  University of South Florida, Tampa (1986)	Full Professor	Prevention of childhood injuries; Development and evaluation of injury prevention and health promotion programs; Medical sciences; Epidemiology of injuries across the life span
<b>McCormack Brown, Kelli</b>	Ph.D.	Southern Illinois University, Carbondale (1987)	Full Professor	Adolescent health; Children's oral health; Prevention marketing and public health; School and community health partnerships
<b>McDermott, Robert</b>	Ph.D.	The University of Wisconsin, Madison (1981)	Full Professor	Adolescent health; Health behavior; Program evaluation.
<b>Nearns, Jodi</b>	MSN	University of Florida, Gainesville (1993)	Adjunct Instructor	
<b>Osman, Hana</b>	Ph.D.	University of South Florida, Tampa (2001)	Visiting Assistant Professor	Aging and Public Health; Medical Ethics; Research Ethics; End-Of-Life Decision Making; Advance Directives; Advance Care Planning
<b>Perrin, Karen</b>	Ph.D.	University of South Florida, Tampa (1996)	Assistant Professor	Teen pregnancy prevention; Adolescent health; School health issues;
<b>Perry-Casler, Suzanne</b>	Ph.D.	The University of Toledo, Toledo (1996)	Assistant Professor	Maternal and child health/prenatal care; Tobacco prevention; Juvenile delinquency issues
<b>Shearer, Darlene</b>	DrPH	University of Alabama at Birmingham (1999)	Assistant Professor	Health issues for MCH populations with cognitive limitations; Children with disabilities; Evaluation of home visiting models; Parent participation in early intervention programs and services
<b>Vandeweerd, Carla</b>	Ph.D.	University of South Florida, Tampa (2003)	Adjunct Assistant Professor	Elder Mistreatment; mistreatment related to dementia, social work and domestic violence in caregivers for Alzheimer's patients

Name	Degree	Institution, year	Level	Research Interests
<b>DEAN'S OFFICE</b>				
<b>Bobik, Craig D</b>	MPH	University of South Florida, Tampa (1995)	Adjunct Instructor	
<b>Clark-Alexander, Barbara</b>	MPH	University of South Florida, Tampa (1998)	Instructor	
<b>Di Renno, Gloria</b>	MD	Central University of the East, Dominican Republic (1986)	Adjunct Instructor	
<b>Luque, John</b>	MPH	University of South Florida, Tampa (2004)	Adjunct Instructor	
<b>McDougle, Warren</b>	MPH	Florida A&M University, Tallahassee (2000)	Adjunct Instructor	
<b>Olsen, Cynthia</b>	Ph.D.	University of South Florida, Tampa (2003)	Adjunct Instructor	
<b>Van Elswyk, James</b>	MD	University of Medicine and Dentistry of New Jersey, Newark (1975)	Adjunct Assistant Professor	
<b>Walby, Gary</b>	MSPH	University of South Florida, Tampa (2002)	Adjunct Instructor	
<b>ENVIRONMENTAL AND OCCUPATIONAL HEALTH</b>				
<b>Bernard, Thomas E</b>	Ph.D.	University of Pittsburgh, Pittsburgh (1975)	Full Professor	Evaluation and control of heat stress and strain; Ergonomics.
<b>Brooks, Stuart</b>	MD	University of Cincinnati, Cincinnati (1962)	Full Professor	Environmental and occupational factors in the initiation of asthma; Irritant-induced asthma and RADS; Host factors in the development of respiratory illnesses from infectious agents and Anthrax; Inhalation toxicology; Health effects of mold in indoor environments; Host factors for developing respiratory problems from indoor air pollutants; Health effects from hazardous waste incineration; Manage care systems and cost savings programs in workers compensation.

Name	Degree	Institution, year	Level	Research Interests
<b>Haight, Robert</b>	MD	University of Medicine and Dentistry of New Jersey, Newark (1992)	Assistant Professor	Occupational medicine
<b>Hammad, Yehia</b>	ScD	University of Pittsburgh, Pittsburgh (1974)	Full Professor	Aerosol science; Air sampling; Indoor air quality; Respiratory protective equipment.
<b>Harbison, Raymond</b>	Ph.D.	The University of Iowa, Iowa City (1969)	Full Professor	Mechanisms of toxicity; Human toxicology; Neurotoxicology; Hepatotoxicology; Pharmacology; Illicit drugs Pharmacokinetics; Risk assessment and management
<b>Johnson, William</b>	Ph.D.	North Arizona University, Flagstaff (1997)	Visiting Assistant Professor	Endocrinology Toxicology Environmental Physiology
<b>Mlynarek, Steven</b>	Ph.D.	The Johns Hopkins University, School of Hygiene and Public Health, Baltimore (2000)	Associate Professor	Industrial hygiene and safety; Aerosol science and technology in industrial hygiene; Inhalation challenge testing; Indoor environmental quality; Biodefense and personal protective equipment; Occupational exposure assessment
<b>Poor, Noreen</b>	Ph.D.	Virginia Polytechnic Institute and State University, Blacksburg (1996)	Associate Professor	Environmental chemistry; Ambient air quality; Measurement of air pollutants.
<b>Reid, William</b>	Ph.D.	University of Missouri, Columbia (1969)	Associate Professor	Leadership; Public Health Practice; Public Health Administration.
<b>Rentos, Pantelis</b>	Ph.D.	The University of Iowa, Iowa City (2003)	Associate Professor	Safety management; Industrial hygiene; Preventive medicine and environmental health.
<b>Richards, Ira</b>	Ph.D.	New York University, New York (1976)	Associate Professor	Illicit substance toxicology; Toxicology; Respiratory toxicology; Asthma research; Hazard preparedness; Environmental emergency responsiveness; Laboratory safety.
<b>Spehar, Andrea</b>	DVM  JD	University of Florida, Gainesville (1984)  Stetson University, Gulfport (2003)	Assistant Professor	Health Law and Policy and Elder Law; Patient Safety Research, Including Safe Patient Transitions, Medication Safety and Injury Prevention with an Emphasis on Elders and Minorities; Healthcare Communication and Training, Including Patient-Provider Communication, Disclosure Practices and Risk Communication; Ethics in Healthcare and in Public Health; Risk Management
<b>Stuart, Amy</b>	Ph.D.	Stanford University (2002)	Assistant Professor	Air Pollutant Transport and Chemistry; Environmental Computational modeling; Human Exposures to Air Pollutants
<b>Szonntag, Eugene</b>	Ph.D.	Technical University of Budapest (1975 & 1999)	Professor	Chemical agents.

Name	Degree	Institution, year	Level	Research Interests
<b>Wolfson, Jay</b>	DrPH  JD	The University of Texas, Health Sciences Center, Houston (1981)  Stetson University (1993)	Full Professor	Health law, finance, and policy; Workers compensation and employee health benefits programs; Legal and financial factors influencing physician and hospital organization and operation.
<b>EPIDEMIOLOGY AND BIOSTATISTICS</b>				
<b>Barnett, Elizabeth</b>	Ph.D.	University of North Carolina, Chapel Hill (1993)	Associate Professor	Cardiovascular disease; Social inequalities in health; Medical geography; Racial and ethnic disparities in health; African-American health issues
<b>Borenstein, Amy</b>	Ph.D.	University of Washington, Seattle (1988)	Full Professor	Genetic and environmental causes of Alzheimer's disease and related dementias in the elderly; Detection of Alzheimer's disease many years before symptoms emerge; Studies of older African-Americans.
<b>Brown, Charles</b>	Ph.D.	University of Chicago, Chicago (1981)	Full Professor	Biostatistics; Prevention research; Missing data; Multivariate statistics; Longitudinal design and analysis; Psychiatric epidemiology; Computational statistics.
<b>Dagne, Getachew</b>	Ph.D.	University of California, Riverside (1996)	Associate Professor	Behavioral data analysis; Image processing; Spatial statistics; Bayesian inference
<b>Huang, Yangxin</b>	Ph.D.	Liverpool John Moores University, Liverpool (2000)	Assistant Professor	HIV Dynamic modeling for drug exposure; drug efficacy and response of anti retroviral therapies in AIDS clinical trials; biological mechanisms of HIV infection and treatment strategies
<b>Mason, Thomas</b>	Ph.D.	The University of Georgia, Athens (1973)	Full Professor	Geographically-determined risks for cancer and other chronic diseases; Lung and bladder cancer etiologies; Computer applications in epidemiology; Screening for bladder cancer with occupational cohorts; Defined - population surveillance systems
<b>Mortimer, James</b>	Ph.D.	University of Michigan, Ann Arbor (1970)	Full Professor	Preclinical detection of Alzheimer's disease in the general population; Co-PI of the Nun Study
<b>Nembhard, Wendy</b>	Ph.D.	The University of Texas, Health Sciences Center, Houston (2000)	Assistant Professor	Preterm delivery/low birth weight; birth defects; pregnancy-related hypertension; women's health; Infant mortality
<b>O'Rourke, Kathleen</b>	Ph.D.	University of Massachusetts at Amherst, Amherst (1994)	Associate Professor	Unintended pregnancy among the U.S. Military; Health promotions among Hispanic and African-American women
<b>Rajaram, Lakshminarayan</b>	MS	New Jersey Institute of Technology, Newark (1986)	Adjunct Instructor	
<b>Sanchez-Anguiano, Aurora</b>	Ph.D.	University of South Florida, Tampa (1999)	Visiting Assistant Professor	Occupational and infectious disease epidemiology; Falls and injury prevention.

Name	Degree	Institution, year	Level	Research Interests
<b>Schwartz, Skai</b>	Ph.D.	The University of North Carolina, Chapel Hill (1995)	Associate Professor	Cardiovascular; Sleep; Psychosomatics; Methodology; Pharmacoepidemiology.
<b>Stockwell, Heather</b>	ScD	The Johns Hopkins University - School of Hygiene and Public Health, Baltimore (1984)	Full Professor	Cancer epidemiology; Environmental and occupational causes of cancer; Cancer in women and minorities; Radiation epidemiology; Methodologic issues in case-control studies; Epidemiologic health surveillance
<b>Wang, Tao</b>	Ph.D.	Ohio State University (2005)	Assistant Professor	Statistics genomics; bioinformatics; design and analysis of micro array gene expression data; Breast Cancer studies using micro array technology
<b>Wang, Wei</b>	Ph.D.	Fudan University, China (1999)	Visiting Instructor	Survival analysis; quantitative analysis of supply chain and logistic system and mixed-effect models; Prevention studies and Methodologies
<b>Wu, Yougui</b>	Ph.D.	University of Maryland, College Park (2001)	Assistant Professor	Design issues in longitudinal studies; Biostatistical methods in dementia; Family data analysis
<b>Zhu, Yiliang</b>	Ph.D.	University of Toronto, Canada (1991)	Associate Professor	Health risk assessment; Longitudinal data and semiparametric methods; Internet-based teaching tools using Splus and Java; Incomplete data
<b>GLOBAL HEALTH</b>				
<b>Alexander, Donna</b>	ScD	The Johns Hopkins University, School of Hygiene and Public Health, Maryland (1989)	Full Professor Maternal and Child Health Global Health	Maternal and Child Health, Perinatal public health
<b>Azizan, Azliyati</b>	Ph.D.	University of Tennessee, Memphis (1995)	Assistant Professor	Molecular and cellular biology; Microbiology; Tropical public health.
<b>Calvo, Arlene</b>	Ph.D.	University of South Florida, Tampa (2005)	Adjunct Instructor	
<b>Cattani, Jacqueline</b>	Ph.D.	University of California, Berkeley, Berkeley (1984)	Professor	Biodefense; Global health; Disease surveillance; Intervention research.
<b>Clem, Angela</b>	MPH	University of South Florida, Tampa (2000)	Adjunct Instructor	
<b>Clinton, Jr., John</b>	MD	Kansas University (1964)	Adjunct Professor	
<b>De Baldo, Ann</b>	Ph.D.	University of South Florida, Tampa (1980)	Full Professor	Tropical public health; Immunology; Infectious Diseases.

Name	Degree	Institution, year	Level	Research Interests
<b>Haiduven, Donna</b>	Ph.D.	University of California, San Francisco (2000)	Visiting Assistant Professor	Infectious Disease Exposure Prevention; Occupational Infection Control; Healthcare Facility Bioreadiness Plans; Percutaneous Injuries
<b>Izurieta, Ricardo</b>	DrPH  MD	University of Alabama at Birmingham (2000)  Central University of Ecuador (1986)	Assistant Professor	Tropical and Infectious Diseases Vaccinology
<b>Kay, Heidi</b>	Ph.D.	University of South Florida, Tampa (1999)	Visiting Assistant Professor	Water chemistry; Cancer; Education; Kinetics; Photochemistry.
<b>Kwa, Boo</b>	Ph.D.	University of Malaya, Malaysia (1977)	Full Professor	Emerging infectious diseases; International health and disease; Tropical public health
<b>LeSar, John</b>	MD	Ohio State University, (1969)	Clinical Professor	Global Health Policy, Health Systems, and Financing
<b>Menezes, Lynette</b>	Ph.D.	University of South Florida, Tampa (2003)	Adjunct Assistant Professor	
<b>Roberts, Jill</b>	MPH	University of South Florida, Tampa (1998)	Adjunct Instructor	
<b>Stark, Lillian</b>	Ph.D.	University of South Florida, Tampa (1976)	Adjunct Assistant Professor	
<b>Westhoff, Wayne</b>	Ph.D.	University of South Florida, Tampa (1994)	Assistant Professor	Latin America and Caribbean Basin; Health education; Humanitarian Assistance
<b>HEALTH POLICY AND MANAGEMENT</b>				
<b>Abbott, Ann</b>	Ph.D.,  JD	The University of Texas - Health Sciences Center, Houston (1998)  Boston University School of Law, Boston (1975)	Assistant Professor	Public sector management; Healthy communities movement and democratic participation; Health policy analysis; Health law and ethics; Legal and ethical basis of Public Health Practice; Public health law reform.
<b>Large, John</b>	Ph.D.	University of South Florida, Tampa (2002)	Assistant Professor	Quantitative methods and analysis; Production and operational analysis and optimization; Financial performance analysis and improvement methodologies.
<b>Orban, Barbara</b>	Ph.D.	University of California, Los Angeles (1987)	Associate Professor	Quality and strategy in health care organizations; Uncompensated care; cost, severity and length of stay for Medicare admissions; Impact of helmet use on motorcycle trauma; Emergency department costs and charges
<b>Pracht, Etienne</b>	Ph.D.	Louisiana State University and A&M College,	Assistant Professor	Health care economics; Applied econometrics.

Name	Degree	Institution, year	Level	Research Interests
		Baton Rouge (1998)		
<b>Sear, Alan</b>	Ph.D.	Purdue University, West Lafayette (1971)	Associate Professor	Information systems; Health care outcomes; Organizational behavior.
<b>Studnicki, James</b>	ScD	The Johns Hopkins University, (1972)	Full Professor	Health status of populations; Cybernetic systems influencing change in physician behavior; Cost-effectiveness of alternate treatment options; Utilization and quality impacts of managed care.
<b>Ward, William</b>	Ph.D.	University of California, Berkeley (1976)	Adjunct Associate Professor	

## College of Visual and Performing Arts

Name	Degree	Institution, year	Level	Research Interests
<b>ART</b>				
<b>Babcox, Wendy</b>	MFA	University of Florida 2000	Assistant Professor	Photography, Digital Imaging, Video, Performance
<b>Bender, Neil</b>	MFA	University of Georgia, Lamar Dodd School of Art 2002	Assistant Professor	Painting
<b>Borcila, Rozalinda</b>	MFA	Michigan State University, 1999	Associate Professor	Video, Performance, Activist Art
<b>Byrd, John</b>	MFA	University of Washington, 2000	Assistant Professor	Ceramics, Plastics, Taxidermy
<b>Chang, Chin-sung</b>	Ph.D	Yale University, 2004	Assistant professor	Asian Art History
<b>Condon, Elisabeth</b>	MFA	School of Art Institute of Chicago, 1986	Assistant Professor	Painting, Asian Art
<b>Fraser, Elisabeth</b>	Ph.D	Yale University, 1993	Associate Professor	19 <sup>th</sup> Century Art History (Delacroix)
<b>Hirt, Victoria</b>	MFA	Rhode Island School of Design, 1986	Associate Professor	Photography, Digital Imaging
<b>Lawrence, Robert</b>	MFA	University of California, 1987	Assistant Professor	Video, Site Sculpture
<b>Marchi, Riccardo</b>	Ph.D	University of Chicago, 2002	Assistant Professor	20 <sup>th</sup> Century Art History (Kondinaky)
<b>Marcus, Louis</b>	MFA	University of Colorado, 1982	Professor	Photography, History of Photography
<b>Murray, Derek</b>	Ph.D	Cornell University, 2005	Assistant Professor	Contemporary Art, Critical Theory
<b>Pollack, Anat</b>	MFA	Carnegie Mellon University, 2003	Assistant Professor	New Media, Sculpture
<b>Shanks, Bradlee</b>	MFA	Arizona State University, 1986	Associate Professor	Printmaking
<b>Szepe, Helena</b>	Ph.D	Cornell University, 1991	Associate Professor	Renaissance, Medieval Art History (Venetian)
<b>Weitz, Julie</b>	MFA	University of Wisconsin, 2004	Assistant Professor	Painting, Drawing, Social-Political Issues
<b>Wilson, William</b>	MFA	The School of Art Institute of Chicago, 1975	Director/ Professor	Photography



Name	Degree	Institution, year	Level	Research Interests
<b>MUSIC</b>				
<b>Andrasy, Theresa</b>	MM	USF, 1997	Assistant Professor	Voice
<b>Brantley, Kenneth</b>	MM	University of North Texas, 1999	Associate Professor	Trombone
<b>Clifford, Robert</b>	Ph.D.	University of Wisconsin-Madison, 1995	Assistant Professor	Music Theory
<b>Coble, Jay</b>	DMA	University of Southern California, 1996	Associate Professor	Performance
<b>Fung, Victor</b>	Ph.D.	Indiana University, 1994	Professor	Music Education Ethnomusicology Conducting
<b>Gackle, Martha</b>	Ph.D.	University of Miami, 1987	Assistant Professor	Choral Music Education
<b>Hatcher, Suzanne</b>	MM	Rice University 2003	Visiting Professor	Performance
<b>Hawkins, Ann</b>	MA	USF, 1970	Associate Professor	Music Theory
<b>Hayden, William</b>	DA	Ball State, 1981	Associate Professor	Violin
<b>Ivanov, Svetozar</b>	DMA	University of Michigan, 1999	Assistant Professor	Piano
<b>Jaworski, Warren</b>	DM	Indiana University, 1981	Associate Professor	Voice
<b>Kluksdahl, Scott</b>	MM	Juilliard, 1988	Associate Professor	Cello
<b>Lee, Sang-Hie</b>	Ph.D.	University of Michigan, 1985	Associate Professor	Admin Music Education Piano
<b>McCormick, Kim</b>	DMA	University of North Texas, 1992	Assistant Professor	Flute
<b>McCormick, Robert</b>	MA	San Jose State University, 1973	Professor	Percussion
<b>Monroe, Annetta</b>	Performer's Certificate	Mozarteum Academy (Salzburg), 1961	Associate Professor	Voice
<b>Moorhead, John</b>	MM	Northwestern University 1979	Associate Professor	Clarinet
<b>Niskala, Naomi</b>	DMA	SUNY Stony Brook 2000	Assistant Professor	Piano
<b>Owen, Charles</b>	MA	California State University-Northridge, 1979	Professor	Conducting Music Education

Name	Degree	Institution, year	Level	Research Interests
<b>Reller, Paul</b>	MM	Eastman School of Music, 1991	Associate Professor	Composition
<b>Reynolds, Jerald</b>	MM	University of Oregon, 1963	Associate Professor	Voic
<b>Robinson, Michael</b>	DMA	University o Miami 1998	Visiting Professor	Conducting
<b>Stuart, Carolyn</b>	DMA	SUNY Stony Brook, 1999	Assistant Professor	Violin
<b>Summer, Averill</b>	DM	Indiana University 1979	Associate Professor	Piano
<b>Summer, Robert</b>	DM	Indiana University 1978	Professor	Choral music and literature
<b>Timpson, Michael</b>	DMA	University of Michigan 19978	Assistant Professor	Composition
<b>Weast, Wade</b>	DMA	SUNY Stony Brook, 1990	Professor	Trumpet
<b>Wiedrich, William</b>	DMA	University of Michigan 1995	Associate Professor	Conducting
<b>Wilkins, Ashby</b>	MM	Indiana University, 1985	Professor	Jazz, Saxophone
<b>Williams, David</b>	Ph.D.	Northwestern University 1997	Associate Professor	Music Education
<b>Zielinski, Richard</b>	DMA	Univ Illinois 1991	Associate Professor	Chorus and choral conducting

## INTERDISCIPLINARY PROGRAMS

Name	Degree	Institution, year	Level	Research Interests
------	--------	-------------------	-------	--------------------

**APPLIED BEHAVIOR ANALYSIS** – Contact the program for information

**CANCER BIOLOGY**– Contact the program for information

**ENTREPRENEURSHIP IN APPLIED TECHNOLOGIES** – Contact the program for information

**SECOND LANGUAGE ACQUISITION AND INSTRUCTIONAL TECHNOLOGY (SLAIT)** - Refer to the College of Education listing for information.

## Section 4

### Graduate Admissions

University of South Florida  
Office of Graduate Admissions  
4202 E. Fowler Ave, BEH304  
Tampa, FL 33620-7910

Website: <http://admissions.grad.usf.edu/>

**Phone:** 813-974-8800  
**U.S. Toll-Free:** 1-866-974-8800  
**Fax:** 813-974-7343  
**E-mail:** [admissions@grad.usf.edu](mailto:admissions@grad.usf.edu)

**Director of Graduate Admissions:** Francisco Vera  
**Admissions Officers and Staff:**  
Nancy Moenning, Deise Cedeño, Mark Freeman,  
David Shocklee, Athanasia Fitos

#### University Admissions Criteria and Policies

##### Statement of Principles

In graduate admission decisions, multiple sources of information should be used to ensure fairness, promote diversity and balance the limitations of any single measure of knowledge, skills, or abilities. The sources may include: undergraduate grade point average, letters of recommendation, personal statements, samples of academic work, portfolios, auditions, professional experience related to proposed graduate study, as well as nationally normed, standardized test scores. It is the responsibility of each graduate program to select admissions criteria that best predict success in their specific field and to determine the weight given to each measure.

None of the sources of information, particularly standardized test scores, should be used in isolation nor should such scores be used in combination or separately to establish minimum or “cut off” scores. Program specific guidelines for the use of standardized test scores should be developed based on the experience of a given department with its pool of applicants.<sup>1</sup>

<sup>1</sup> Adapted from the GRE “Guide to the Use of Scores” 2003-2003

##### Admission Requirements

Each applicant to a graduate program at the University of South Florida is required to meet the following minimum requirements:

1. An applicant must have **one** of the following:
  - a. A bachelor’s degree from a regionally accredited institution and satisfying at least one of the following criteria:
    - i. “B” average or better in all work attempted while registered as an undergraduate student working for a degree, **or**
    - ii. “B” or better average in all work attempted while registered as an upper division undergraduate student working for a baccalaureate degree.
  - b. A bachelor’s degree from a regionally accredited institution and a previous graduate degree from a regionally accredited institution.
  - c. The equivalent bachelors and/or graduate degrees from a foreign institution.
2. Submission of a GRE/GMAT score is required unless specifically waived by the University.
3. All specific and additional requirements of the graduate program to which admission is sought (including requirements to submit standardized test scores) consistent with the above Statement of Principles.

The Program Chair and College Dean must approve any exceptions to these requirements with information copies to the Graduate School.

##### International Applicants

Students who are **not** United States citizens or who have **not** already been granted Permanent Resident Alien status (hold a Green Card) must apply through the Office of International Admissions (<http://web.usf.edu/iac/admissions/>).

All requirements and application materials are available at this website.

### Application Procedures

Applications are accepted up to one year in advance of the desired term of entry and therefore, prospective applicants are strongly encouraged to apply early. Applicants are responsible for submitting applications before the appropriate program or university application deadlines. Applications are considered “on time” if they are received by the Office of Graduate Admissions or the desired program (if that program is a [Direct Receipt](#) program) on or before the appropriate deadline. Program deadlines are listed in the Application to Graduate School at USF and on the Graduate Admissions web site at <http://admissions.grad.usf.edu/>.

Priority is given to those applications that are received before the application deadline and are complete when submitted. Complete applications received after the deadline date will be processed for the next available semester. The Office of Graduate Admissions considers domestic applications complete if they include:

1. the appropriate application fee
2. one official transcript of at least 6 semesters of completed undergraduate work
3. GRE/GMAT test scores, as applicable

Applicants whose native language is not English or who have not earned a degree in the U.S. must submit a TOEFL score (refer to Test Scores).

### Application Checklist

All applicants must submit the following items in addition to the completed application form:

- Application Fee
- Transcripts
- Test Scores
- Conduct Clearance Policy (Legal Disclosure Statement)
- Residency Policy
- Application Documents Access / Forward/Return Policy
- Additional Requirements of Programs (If Applicable)

### Application Fee

All applicants are required to submit an application fee of **\$30.00** for **EACH** graduate program. Please

attach a check or money order drawn on a US bank in US currency, made payable to USF. If you attended USF as a former degree seeking student or non-degree seeking student then you **MUST SUBMIT** the application fee. Any application received without the required fee will **NOT** be processed, and will be destroyed two months after being received. **ALL APPLICATION FEES SUBMITTED ARE NON-REFUNDABLE.**

### Transcripts

One (1) official transcript from all institutions of higher learning where the applicant has earned a degree are required, but applicants may provide unofficial copies of transcripts to expedite the processing of their applications. Any admissions granted using unofficial transcripts **will not** be finalized until official transcripts are received in a sealed envelope from the Office of the Registrar where they attended. All transcripts must be in English; it is the applicant’s responsibility to have transcripts translated/evaluated (if necessary) before submitting them as part of their graduate application packet. If you are applying while still completing an undergraduate degree, you must submit transcripts of at least six (6) semesters of completed undergraduate work. Final transcripts showing the award of a bachelor’s degree will be required if an applicant is admitted and enrolls. Do not submit USF transcripts if you have attended as a USF degree-seeking student.

### Test Scores (Click here for code information)

All applicants to programs requiring the GRE\* must submit GRE test scores earned within five (5) years of the desired term of entry. Students may also need to take the GRE for full financial consideration, including consideration for fellowships and scholarships. Applicants to programs in the College of Business (excluding Economics) should submit GMAT scores earned within five (5) years of the desired term of entry. Official scores must be submitted to USF directly from the Educational Testing Service, but applicants may provide unofficial copies of their test scores to expedite the processing of their applications. Any admission granted using unofficial scores will not be finalized until official scores from ETS are received. The institution code for USF is 5828 and applies to all tests administered by ETS.

Applicants whose native language is not English or who have not earned a degree in the United States must also submit TOEFL scores earned within two (2) years of the desired term of entry. A minimum

total score of 80 on the internet-based test, 213 on the computer-based test, or 550 on the paper-based test are required. Applications submitted with TOEFL scores that do not meet the minimum requirements will be denied with no exceptions.

\*The GRE requirement may be waived at the discretion of individual graduate programs. Please contact your program of interest directly for additional information.

#### ***Conduct Clearance Policy***

All graduate applicants are required to answer the Conduct Clearance portion of the graduate application. The applicant will not be notified of the admission decision until answers to the two questions have been received and cleared by the Vice President of Student Affairs or his/her designee (Associate Dean of Students), if warranted.

#### ***Residency Policy***

Applicants desiring classification as Florida residents for tuition paying purposes must sign and complete the Florida Residents section of the Florida Residency Classification page of the Graduate Application. **Incomplete or unsigned forms will be classified as non-Florida residents.** The Office of Graduate Admissions will classify applicants as Florida residents if they have provided documentation that verifies they began living in Florida at least twelve months before the start of classes of their admitted term of entry. Additional documentation other than what is required may be requested in some cases. All documentation is subject to verification. The student is responsible for checking their residency classification when admitted to the University of South Florida. The residency classification is noted on the official acceptance letter. If the student feels that their initial classification is in error, they have until the last day of the term to contact the appropriate admissions office and request a re-evaluation. After the student has completed their first semester of study they may seek to have their residency reconsidered. They may submit a Request for Reclassification Form with the Office of the Registrar. This must be filed by the 5th day of classes for the term being requested. The following are acceptable, non-conclusive evidence for establishing legal Florida residence:

- Proof of purchase of a permanent home in Florida
- Declaration of Domicile

- Florida Driver's License
- Florida Voter's Registration
- Florida Vehicle Registration
- Florida Vehicle Title
- Professional/Occupational license in Florida
- Florida incorporation or other evidence of legal residence in Florida

**NOTE:** Rent receipts, lease, tax returns, school/college records are NOT evidence of establishing a legal Florida residence.

#### ***Application Documents Access/Forward/Return Policy***

No application, test scores, transcripts, letters of recommendations, or other documents submitted with the application packet will be returned to the applicant or forwarded to another institution/third party. The Office of Graduate Admissions applicant file is not to be released to the applicant or other third parties. Requests, subpoenas, or court orders are to be forwarded to the Office of the General Counsel after review by the Director of Graduate Admissions.

Applicants once admitted and enrolled during the term of admission may request access to their student file at the Office of the Registrar. Letters of Recommendation that the applicant has waived the right to view (indicated on Request for Recommendation Form) are not to be given, copied or viewed by the applicant or third parties. Requests for degree/enrollment verification information are referred to the Office of the Registrar.

The Office of Graduate Admissions graduate application files may be copied and released to USF staff conducting legitimate University business.

#### ***Additional Requirements of Programs***

(If applicable)

Many programs require additional application materials such as resumes, writing samples, or letters of recommendation. These items may be sent as part of the overall graduate application packet or directly to the appropriate department/program. These materials will be forwarded to the appropriate program if sent with the application packet but DO NOT become part of the applicant's permanent file; therefore, the Office of Graduate Admissions does not track them.

**Final Admission Criteria**

Applicants accepted for admissions whose official documents (transcripts and/or test scores) have been received by the Office of Graduate Admissions are admitted as "Final." The admission file is complete.

**Provisional Admission Criteria**

Applicants accepted for admission whose official documents (transcripts and/or test scores) have not been received by the Office of Graduate Admissions are admitted provisionally pending receipt of these missing items. The required transcripts and/or test scores must be received before a third semester registration is permitted. If the missing documents are not provided by the end of the second semester of attendance, the Office of Graduate Admissions will place a registration hold on the student's file.

**Exception Admission Criteria**

The University may admit up to 10% of new enrollees as exceptions to the Board of Trustees minimum requirements. To be considered for an exception, a student should present evidence that their academic preparation was such that it might account for less than the minimal University and/or program requirements, and evidence of potential for academic success such as excellent letters of recommendation from trusted academicians, performance in graduate courses taken as a post-bachelor's student, professional experience in his/her discipline for a period of time, etc. Each request for a 10% exception must include a statement describing the special circumstances of the applicant. It is the discretion of the program and college to accept exception application requests.

**Conditional Admission Criteria**

A program and/or college may admit students conditionally upon satisfaction of requirements separate from University minimum requirements. These conditions may include attendance in specific core or remedial courses and/or required earned GPA of 3.0 for those courses. Failure to satisfy those conditions by the deadline established by the program will result in academic dismissal from the program.

**Deferment of Admission Request**

A student's acceptance is granted for that semester and the particular program specified in the official acceptance notification. The student must validate that acceptance by enrolling for that semester. Students who fail to validate their admission may contact the Graduate Program Director and request

a Deferment of Admission. This request must be made in writing within 12 months of the initial requested entry date. If a request for Deferment of Admission is not received in the specified time, a new application and fee must be submitted. Deferment requests must also be received no later than the program or University application deadline for the semester desired, whichever is earlier. Students who were admitted provisionally upon receipt of official test scores and/or transcripts must supply those missing items prior to having their deferment decision processed by the Office of Graduate Admissions. International students must also provide a new financial statement dated no earlier than 6 months before the requested date of entry.

**Update of Admission Request**

If admission has not been granted because of a late application or missing credentials, the student must request that the Office of Graduate Admissions update the application for a future semester and specify the new enrollment date. This request must be made in writing within 12 months of the initial requested entry date and must be received no later than the program or University application deadline for the semester desired, whichever is earlier. Applications are held for only 12 months. If a request for change in entry date is not received in the specified time, a new application and fee must be submitted. The Office of Graduate Admissions will not process any update requests without first receiving all official test scores and/or transcripts.

**Denial of Admission /****Appeal for Reconsideration Criteria**

Applicants denied admission will be given timely notice by email or in writing. Denied applicants who meet the minimum system wide standards may write the Graduate Program Director of the program to which they applied within 30 days of the date of denial to request reconsideration. The request should present additional evidence of potential for academic success at USF and contain reasons why reconsideration is warranted. Applicants denied admission to a degree-seeking program are eligible to enroll as special (non-degree seeking) students. Non-degree seeking applications must be submitted to the Office of the Registrar.

**Reinstatement of Admission Request**

A graduate student who has not been in attendance for at least one semester during the past 12 months must apply for Reinstatement of Admissions by contacting the Graduate Program Director of

his/her degree-seeking program. Students may obtain the form at [www.grad.usf.edu](http://www.grad.usf.edu) (Click on Graduate School Forms.) Requests for reinstatement must be received no later than the program's admissions deadline date. Students requesting reinstatement must submit a completed Reinstatement of Admission Request Form and Residency Form directly to the program to which reinstatement is sought. An application and an application fee are NOT required when seeking a reinstatement.

The reinstatement policy does NOT apply to inactive students wishing to enroll in a program other than the original admitting program. These students must submit an application for the new program of interest. Transcripts of any work completed while not attending USF may be required.

#### **Change of Program Request**

Change of Program Request will NOT be considered for graduate students in their first semester of study. Only a continuing graduate student enrolled for study in a particular program who wishes to change to another program at the same or lower level must complete the Change of Program Request Form #USF 2085. It is up to the discretion of the student's original program to determine if a Change of Program is appropriate and will be granted. Students may obtain the form at [www.grad.usf.edu](http://www.grad.usf.edu) (Click on Graduate School Forms.) This form must be signed both by the current program and the new program, after which it must be submitted to the Graduate School for approval. If approved by the Graduate School, the change of program form is then sent to the Registrar for processing.

**NOTE:** Some programs may require another application to be submitted because the Change of Program Request Form does not contain sufficient information for them to make a decision. You should check with the new program before completing any paperwork. *Also see other sections pertaining to Change of Program.*

#### **Students with Disabilities Policy**

Students with disabilities apply for admission under the same guidelines as other students. Applicants believing that a disability has had an impact on grades, course choice, or standardized admission test scores, should request consideration of this during the admissions process. Students requesting substitution of departmental guidelines will need to contact the appropriate department chairperson.

Please submit supporting documentation when requesting a disability exception. Students bear the responsibility for providing documentation of their disabilities. The University reviews documentation and determines if students are eligible for services and accommodations because of disabilities. The Office of Student Disability Services is charged with the task of determining eligibility. Accommodations and services are not provided on a retroactive basis. Approval must be given prior to receiving services or accommodations. The process begins when students provide documentation of disability and meet with a coordinator in the Office of Student Disability Services to request in writing services and accommodations. Any faculty members or students who have questions about this process are encouraged to contact the Office of Student Disability Services at (813) 974-4309 or visit the website at <http://www.sa.usf.edu/sds>



## Section 5

### Registration and General Information

---

#### Office of the Registrar

Phone: 813-974-2000  
 TTY: 813-974-4488  
 E-mail: [regquest@admin.usf.edu](mailto:regquest@admin.usf.edu)  
 Website: <http://www.registrar.usf.edu/>

The Office of the Registrar maintains the official academic records for all students and course registrations for currently enrolled students. Students are encouraged to contact the Office of the Registrar about general questions concerning academic policies and procedures of their current registration or academic record. Note: Each student must be aware of the University's academic policies and procedures insofar as they affect him/her.

#### Registration Information

To register for classes, students must login to OASIS – <http://usfonline.admin.usf.edu/>. Per Florida Statutes, students must submit a Medical History Form required for all students, regardless of age and degree seeking status, available at the website: <http://shsweb.shs.usf.edu/>. Questions may be directed to Student Health Services by phone at 813-974-2331. Additional information on all registration requirements and procedures may be found in the Schedule of Classes at <http://usfweb.usf.edu/ssearch/search.htm> or at the Registrar's office website at: <http://www.registrar.usf.edu/index.php>

Degree-seeking students who do not register prior to the first day of classes may late-register the first week of classes. A late registration fee is charged during this week. To avoid cancellation of registration, fees and tuition are due and payable for all registered courses of record on the fifth day of classes (end of drop/add period).

#### Medical Requirements for Registration

Student Health Services is charged with the responsibility of evaluating and maintaining medical requirements for registration for all University of South Florida students.

According to Florida Administrative Code Rule 6C-6.001(4) "Each student accepted for admissions shall, prior to registration, submit on a form provided by the institution a medical history signed by the student." As a prerequisite to matriculation or registration, the State University System of Florida requires all students born after 1956 to present documented **proof** of immunity to **MEASLES** (Rubeola) and **RUBELLA** (German Measles)

<http://shsweb.shs.usf.edu/RegMedReqs.html#proof>

New admits will be provided a Medical History / Immunization Form with their admissions letter. Upon request, Student Health Services will mail or fax a Medical History/Immunization Form to you, or you may download a form from the Student Health Services Forms page and print it on a **laser or inkjet** printer. In order to register, this form must be completed, signed, and returned to:

Student Health Services  
 University of South Florida  
 4202 East Fowler Avenue, SHS 100  
 Tampa, FL 33620-6750  
 Fax: (813) 974-5888  
 Telephone: (813) 974-4056

#### Administrative Holds

A student may be placed on administrative hold by failure to meet obligations to the University. When a student is on administrative hold, he/she may not be allowed to register, receive a diploma, or receive a transcript. Settlement of financial accounts must be made at the University Cashier's Office. Each student placed on administrative hold should determine from the Office of the Registrar which office placed him/her in this status and clear the obligation with that respective office.

## Equal Opportunity Policy

The University of South Florida System (USF System) is a diverse community that values and expects respect and fair treatment of all people. The USF System strives to provide a work and study environment for faculty, staff and students that is free from discrimination and harassment on the basis of race, color, marital status, sex, religion, national origin, disability or age, as provided by law. The USF System protects its faculty, staff, and students from discrimination and harassment based on sexual orientation. The USF System is also committed to the employment and advancement of qualified veterans with disabilities and veterans of the Vietnam era. Unlawful discrimination, harassment and retaliation are prohibited in the USF System. Behavior that constitutes unlawful discrimination, harassment or retaliation is unacceptable.

([http://usfweb2.usf.edu/usfgc/gc\\_pp/genadm/gc007.htm](http://usfweb2.usf.edu/usfgc/gc_pp/genadm/gc007.htm))

A student or employee who believes that he or she has not been treated in accordance with the University's Equal Educational and Employment Opportunity Policy or its Policy on Sexual Harassment may file an Equal Opportunity Complaint. Additional information about these procedures may be obtained from the Diversity and Equal Opportunity Office, ADM 172, or by calling 974-4373 or 813-974-1510 (TDD). It is prohibited for any administrator, supervisor, or other employee of USF to take any retaliatory action against an individual who, in good faith, has made a charge, testified, assisted, or participated in any manner in an investigation, proceeding, or hearing under provisions of applicable law.

DEO Site: <http://usfweb2.usf.edu/ea/>

## Academic Term and Student Information

### Semester System

USF operates on a semester system. Semesters begin in August and January with Summer Sessions beginning in May and June. See *Academic Calendar* for appropriate dates.

### Academic Load

See *Enrollment Requirements in the Academic Policies Section*

## Academic Standing

**Class Standing** - A student's class standing is determined by the number of credits he/she has earned without relation to his/her GPA.

- 6M** - Graduate student admitted to Master's Degree Program
- 6A** - Graduate student admitted to Specialist Degree Program
- 6D** - Graduate student admitted to a Doctoral Degree Program (not eligible to register for dissertation hours)
- 6C** - Graduate student admitted to Doctoral Candidacy (eligible to register for dissertation hours)
- 7A-7D** - 1st-4th year professional program (M.D.) or post-doctoral status

## Student Definitions

### Degree Seeking Student

Degree Seeking Students are students who have been accepted into a degree program

### Graduate Certificate Seeking Student

Graduate Certificate Seeking Students are students who have been accepted into a Graduate Certificate program. Students who are non-degree seeking, but who are admitted to a Graduate Certificate may register during the same registration period as Degree-Seeking Students. Up to 12 hours of the coursework taken as a Graduate Certificate Seeking Student may be applied to a degree program. For more information about Graduate Certificates and specific requirements, go to <http://www.outreach.usf.edu/gradcerts/>.

### Non-Degree Seeking Student

Non-Degree Seeking Students are students who have not been accepted into a degree or Graduate Certificate Program. Non-Degree Seeking students may enroll and enter classes on a space available basis by obtaining appropriate approval from the degree-granting college or academic unit in which the courses are offered. Non-Degree Seeking students must meet all prerequisites for courses in which they wish to enroll. Certain classes are available only to degree seeking students and may not be available for Non-Degree Seeking students.

Should a student be accepted into a graduate degree program, no more than 12 hours of USF credit earned as a Non-Degree Seeking student may be applied to satisfy graduate degree requirements. All coursework transferred into the graduate program

must have a grade of B or better. Any application of such credit must be approved by the degree-granting college and must be appropriate to the program. Prior to completing 12 hours in a specific degree program it is strongly recommended that a Non-Degree Seeking Student apply for admission and be accepted to the degree program to continue taking courses in the program. Programs may have additional requirements, so check with the program of interest for more information.

#### ***Transient Student***

The SUS Transient Student program enables a graduate student to take advantage of resources available on other SUS campuses. A Transient Student, by mutual agreement of the appropriate academic authorities in both the sponsoring and hosting institutions, receives a waiver of admission requirements and application fee at the host institution and a guarantee of acceptance of earned credits by the sponsoring institution. A graduate advisor, who will initiate a visiting arrangement with the appropriate faculty of the host institution, must recommend a Transient Student. USF degree-seeking students who wish to enroll at another regionally accredited institution **MUST HAVE PRIOR WRITTEN APPROVAL** from their college academic advisor to receive credit for courses taken. For more information, contact the Registrar's Office at 974-2000 or on the web at <http://www.registrar.usf.edu/index.php>.

#### **Student Records Policy**

Pursuant to the provisions of the Family Educational Rights and Privacy Act ("FERPA"; 20 USC Par. 1232g), 34 CFR Par. 99.1 et seq, Florida Statutes Sub. Par. 228.093 and 240.237 and USF Rule 6C4-2.0021, Florida Administrative Code, students have the right to:

1. Inspect and review their education records;
2. Privacy in their education records;
3. Challenge the accuracy of their education records; and
4. Report violations of FERPA to the FERPA Office, Department of Education, 400 Madison Avenue, SW, Washington, D.C. 20202 and/or bring actions in Florida Circuit Court for violations of Rule 6C4-2.001, Florida Administrative Code.

Copies of the University's student records policy, USF Rule 6C4-2.0021, may be obtained from the Office of the Registrar or the General Counsel.

#### **Academic Record**

The student's academic record shall not be changed after the student has graduated. Except in cases of administrative error, the student's academic record shall not be changed once the semester has rolled.

#### **Release of Student Information**

Pursuant to requirements of the Family Educational Rights and Privacy Act (FERPA), the following types of information, designated by law as "directory information," may be released via official media of USF (according to USF policy):

Student name, local and permanent addresses, telephone listing, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, full- and part-time status, and the most recent previous educational agency or institution attended, and other similar information. The University Directory, published annually by the University, contains only the following information, however: student name, local and permanent address, telephone listing, classification, and major field of study. The Directory and other listings of "directory information" are circulated in the course of University business and, therefore, are accessible to the public, as well as to students, faculty, and staff.

Students must inform the USF Office of the Registrar in writing (forms available for that purpose), if they wish directory information to be withheld. Such requests must be received within the first two (2) weeks of the semester and will remain in effect until the student has not been enrolled at USF for three (3) consecutive terms. Notification to the University of refusal to permit release of "directory information" via the University Directory must be received no later than the end of the first week of classes in the Fall Semester.

**Exclusions**

Members or former members of the faculty who hold or have held the rank of Assistant, Associate, or Full Professor are not eligible to be granted degrees from USF, except upon prior authorization of the Graduate School and the Provost. In cases where a member of the immediate family of a faculty member is enrolled in a graduate degree program, the faculty member may not serve on any advisory or examination committee or be involved in any determination of academic or financial status of that individual.

**Course Information****Availability of Courses**

USF does not commit itself to offer all the courses, programs, and majors listed in this catalog unless there is sufficient demand to justify them. Some courses may be offered only in alternate semesters or years, or even less frequently if there is little demand.

**Course Attendance at First Class Meeting – Policy for Graduate Students**

For structured courses, 6000 and above, the College/Campus Dean will set the first-day course attendance requirement. Check with the College for specific information. This policy is not applicable to courses in the following categories: Educational Outreach, Open University (TV), FEEDS Program, Community Experiential Learning (CEL), Cooperative Education Training, and courses that do not have regularly scheduled meeting days/times (such as, directed reading, or study, individual research, thesis, dissertation, internship, practicum's, etc.). Students are responsible for dropping undesired courses in these categories by the 5th day of classes to avoid fee liability and academic penalty.

**Course Descriptions**

For a listing of the most current, approved course descriptions refer to the Search-a-Bull Database available online at

<http://www.ugs.usf.edu/sab/sabs.cfm> or in the course description listing in the Graduate Catalog.

**Adds**

After a student has completed his/her registration on the date assigned, he/she may add courses until the add deadline specified in the Academic Calendar.

**Drops**

A student may drop a course(s) during the regular registration and drop/add periods (first five days of classes). No entry of the course(s) will appear on any permanent academic records and full refund of fees is due for course(s) dropped within those periods. A student may also drop a course(s) between the second and ninth week of the semester (except for summer sessions - see the Summer Schedule of Classes for dates). Registration fees and tuition must be paid for the course(s) and the academic record will reflect a "W" grade for the dropped course(s). Courses dropped after the ninth week deadline will result in an automatic "F" grade.

**Auditing Privileges and Fees**

A student who wishes to sit in on a class to review the course material may do so; however, the student is not allowed to take exams, earn grades, or receive credit. The student's status for that class is an audit and his/her presence in the classroom is as a listener. Audit status must be obtained only during the first five days of the term by filing an Audit Form and a date-stamped permit from the college/department on the campus where the course is being offered, with the Registrar's Office. IN-STATE fees are assessed for all audit courses. Procedure and forms for requesting to audit are available on the Registrar's website.

**Cancellation of Registration Before First Class Meeting**

Students may cancel their registration by notifying the Office of the Registrar in writing prior to the first day of classes. If fees have already been paid, the student may request a full refund of fees and tuition from the Office of Purchasing and Financial Services.

**Withdrawal**

A student may withdraw from the University without academic penalty during the first nine weeks of any term (except for Summer Sessions). He/she must submit a completed Withdrawal Form to the Office of the Registrar. No entry is made on the academic record for withdrawals submitted during the first week of the term. All subsequent withdrawals (through the ninth week of classes in the fall and spring semesters; see the Academic Calendar for summer deadlines) are posted to the

academic record with “W” grades assigned to the courses.

Withdrawal deadlines for the summer sessions are listed in the **Academic Calendar** and are published in the *Schedule of Classes* for the Summer Term. Students who withdraw may not continue to attend classes. Students who withdraw during the drop/add period as stated in the **Academic Calendar** may receive a full refund of fees and tuition. All refunds must be requested in writing from the Office of Purchasing and Financial Services. No refund is allowed after this period except for specified reasons

## Section 6

### Tuition, Fees, and Financial Information

---

#### Tuition

For tuition information refer to the link: [http://www.usf.edu/pfs/tuition\\_cost.htm](http://www.usf.edu/pfs/tuition_cost.htm). All tuition and fees are subject to change, without prior notice. For information on Residency for tuition purposes, refer to the Florida Residency Policy.

All registration fees and all courses added during the drop/add period must be paid in full by the payment deadline date specified in the current **Schedule of Classes**. Registration fee payment may be made in person or mailed to the Cashier's office. Students not on an authorized deferred payment plan and who have not paid their registration fees in full by the published deadline will have their registrations canceled. A student will not receive credit for any courses taken during that semester. Students who are allowed to register in error may have their registration canceled. Any fees paid will be refunded or credited against any charges due the University.

#### Veteran Deferment Benefits

Students receiving VA benefits who apply in writing no later than the specified date for the 60-day deferment of fees from the Office of Veteran's Services must pay registration fees in full by the date posted online:

<http://usfweb2.usf.edu/vetserve/reminders.htm>

For more information contact USF Veteran's Services: at (813) 974-2291 or

<http://usfweb2.usf.edu/vetserve/>

#### Financial Aid

Financial assistance is available through the Office of Financial Aid. Students requiring such assistance should contact <http://www.usf.edu/finaid> for information. Students eligible for tuition waivers (through assistantships, or employee benefits, etc.) should contact the department and/or college providing the waiver for information.

## Section 7

### Academic Policies

#### Student Responsibilities

The University, the Colleges, and the degree programs have established certain academic requirements that must be met before a degree is granted. While advisors, directors, department chairpersons, and deans are available to assist the student meet these requirements, it is ultimately the responsibility of the student to be acquainted with all regulations, and be responsible for completing requirements. If requirements for graduation have not been satisfied, the degree will not be granted.

The information presented here represents the University Academic Policies. Colleges and departments may have additional requirements. Check with your College Graduate Coordinator or your Department Program Director for more information.

Courses, programs, and requirements described in the Catalog may be suspended, deleted, restricted, supplemented, or changed at any time at the sole discretion of the University and the Board of Trustees. For a list of current course descriptions, refer to the Search-A-Bull database online at <http://www.ugs.usf.edu/sab/sabs.cfm>.

#### Student Conduct

Members of the University community support high standards of individual conduct and human relations. Responsibility for one's own conduct and respect for the rights of others are essential conditions for academic and personal freedom within the University. USF reserves the right to deny admission or refuse enrollment to students whose actions are contrary to the purposes of the University or impair the welfare or freedom of other members of the University community. Disciplinary procedures are followed when a student fails to exercise responsibility in an acceptable manner or commits an offense as outlined in the Student Conduct Code. These are described in detail in the Student Handbook: <http://www.sa.usf.edu/handbook/>

#### Academic Dishonesty and Disruption of Academic Process

Students attending USF are awarded degrees in recognition of successful completion of coursework in their chosen fields of study. Each individual is expected to earn his/her degree on the basis of personal effort. Consequently, any form of cheating on examinations or plagiarism on assigned papers constitutes unacceptable deceit and dishonesty. Disruption of the classroom or teaching environment is also unacceptable. This cannot be tolerated in the University community and will be punishable, according to the seriousness of the offense, in conformity with this rule.

##### Plagiarism

Plagiarism is defined as "literary theft" and consists of the unattributed quotation of the exact words of a published text, or the unattributed borrowing of original ideas by paraphrase from a published text. On written papers for which the student employs information gathered from books, articles, web sites, or oral sources, each direct quotation, as well as ideas and facts that are not generally known to the public at large, or the form, structure, or style of a secondary source must be attributed to its author by means of the appropriate citation procedure. Only widely known facts and first-hand thoughts and observations original to the student do not require citations. Citations may be made in footnotes or within the body of the text. Plagiarism also consists of passing off as one's own segments or the total of another person's work.

Examples of proper citation (footnote format) are as follows [Footnoting/citation styles will depend upon those used by different academic disciplines. Many disciplines in the Natural Science areas, for example, will cite the sources within the body of the text.]

"Plagiarism, from a Latin word meaning 'kidnapping,' ranges from inept paraphrasing to outright theft." 1[Direct quotation] 1Harry Shaw, *Concise Dictionary of Literary Terms* (McGraw-Hill, 1972), pp. 209-210.

As Harry Shaw states in his Concise Dictionary of Literary Terms, "Plagiarism, from a Latin word meaning 'kidnapping,' ranges from inept paraphrasing to outright theft." [Direct quotation with an introductory statement citing the source.] (McGraw-Hill, 1972), pp. 209-210.

Plagiarism is literary theft. To emphasize that point, Harry Shaw states that the root of the word comes from the Latin word meaning "kidnapping." [Paraphrasing] (Concise Dictionary of Literary Terms (McGraw-Hill, 1972), pp. 209-210.

In defining plagiarism, "Strategies for Teaching with Online Tools" suggests that visibility makes intellectual theft less probable. [Paraphrasing a Web site] <http://bedfordstmartins.com/technotes/hccworkshop/plagiarism.htm>

Examples of proper citation (in body of text):

Shaw (1972) states that the root of the word comes from the Latin word meaning "kidnapping." [Paraphrasing; complete information about source will be cited in a section at the close of the text.]

Shaw (1972) was correct when he stated that "plagiarism, from a Latin word meaning 'kidnapping,' ranges from inept paraphrasing to outright theft." [Quotation; complete information about source will be cited in a section at the close of the text.]

Plagiarism.org suggests that a searchable database of papers might assuage what Shaw called a "kidnapping" of intellectual content. [Paraphrasing of a Web site; the complete information on the Web site will appear in the works cited section.]

The following are examples of plagiarism because sources are not cited and appropriate quotation marks are not used:

Plagiarism, from a Latin word meaning "kidnapping," ranges from inept paraphrasing to outright theft.

Plagiarism comes from a Latin word meaning "kidnapping" and ranges from paraphrasing to theft.

Plagiarism ranges from inept paraphrasing to outright theft.

Visibility online makes plagiarism much more difficult for the would-be thief.

### Penalty Guidelines

The student who submitted the subject paper, lab report, etc., shall receive an "F" with a numerical value of zero on the item submitted, and the "F" shall be used to determine the final course grade. It is the option of the instructor to fail the student in the course. Graduate students who are found to have plagiarized will be assigned an "FF" grade. The department and college must then submit the appropriate forms to the Graduate School, thereby academically dismissing the student from the University. The graduate student academically dismissed for plagiarism will not be eligible to apply to any graduate program at USF.

### Cheating

Cheating is defined as follows:

1. The unauthorized granting or receiving of aid during the prescribed period of a course-graded exercise: students may not consult written materials such as notes or books, may not look at the paper of another student, nor consult orally with any other student taking the same test.
2. Asking another person to take an examination in his/her place.
3. Taking an examination for or in place of another student.
4. Stealing visual concepts, such as drawings, sketches, diagrams, musical programs and scores, graphs, maps, etc., and presenting them as one's own.
5. Stealing, borrowing, buying, or disseminating tests, answer keys or other examination material except as officially authorized, research papers, creative papers, speeches, etc.
6. Stealing or copying of computer programs and presenting them as one's own. Such stealing includes the use of another student's program, as obtained from the magnetic media or interactive terminals or from cards, printout paper, etc.



### **Punishment Guidelines for Academic Dishonesty**

Punishments for academic dishonesty will depend on the seriousness of the offense and may include receipt of an "F" or "Zero" on the subject paper, lab report, etc., an "F" in the course; suspension or expulsion from the University. The University drop and forgiveness policies shall be revoked for a student accused of academic dishonesty. The internal transcript of a student who is awarded an "F" for academic dishonesty will read "FF." Notice that a student has been dismissed for reasons of academic dishonesty may be reflected on the student's transcript.

1. For observation of or exchanging test information with other students during the course of a classroom test, the students who receive or give such information may receive an "F" with a numerical value of zero on the test, and the "F" shall be used to determine the final course grade. It is the option of the instructor to fail the student in the course.
2. For the use of any prohibited device, such as a cheat sheet, recording, calculator if forbidden on exam, etc., during the course of a classroom test to assist the student or other students, the student using such prohibited device may receive an "F" in the course.
3. For the use of another student, a stand-in, to take an examination for the enrolled student, it is suggested that the enrolled student receive an "F" in the course and be suspended from school for one year and that the stand-in, if a University student, be suspended from school for one year.
4. For stealing, borrowing, or buying of research papers, creative works, speeches or tests and other exam materials, or the dissemination of such materials, or the manipulation of recorded grades in a grade book or other class records, the student, if enrolled in the course, may receive an "F" in the course and may be expelled from the University.
5. It is suggested that students who receive or give stolen computer programs receive an "F" with a numerical value of zero on the program or programs, and the "F" be used to determine the final course grade. It is

the option of the instructor to fail the student in the course.

### **Disruption of Academic Process**

Disruption of academic process is defined as the act or words of a student in a classroom or teaching environment which in the reasonable estimation of a faculty member:

- a. directs attention from the academic matters at hand, such as noisy distractions; persistent, disrespectful or abusive interruptions of lecture, exam or academic discussions, or
- b. presents a danger to the health, safety or well being of the faculty member or students.

### **Punishment Guidelines for Disruption of Academic Process**

Punishments for disruption of academic process will depend on the seriousness of the disruption and will range from a private verbal reprimand to dismissal from class with a final grade of "W," if the student is passing the course, shown on the student record. If the student is not passing, a grade of "F" will be shown on the student record.

### **Procedures for Handling Student Violations Involving Alleged Academic Dishonesty and Disruption of Academic Process**

Alleged violations of academic dishonesty or alleged disruptions of academic process will be handled initially by the instructor, who will discuss the incident with the student. It must be noted that the Faculty Senate considers the traditional relationship between student and faculty member as the primary means of settling disputes that may arise. If the instructor observes the alleged dishonesty occurring during an examination, he/she should, with discretion, notify the student of the fact before the student leaves the examination. In all cases, the instructor must attempt to schedule a meeting with the student to discuss the alleged dishonesty or disruptions.

After the discussion, if the student and instructor have reached a mutual agreement as to the solution, the instructor shall file a statement with the chairperson of the department or equivalent, e.g. campus dean, responsible for the course outlining the facts of the incident and the agreed-upon solution signed by both the instructor and student.

A copy of this statement shall be given to the student. If no solution is reached, the matter should be referred to the chairperson of the department or the equivalent, e.g. campus dean, for attempt at resolution. If no resolution is reached, the matter should be referred to the dean of the college for attempt at resolution. If no solution is reached, the dean shall appoint a student/faculty committee consisting of an equal number of students and faculty to hear the two sides of the incident and to advise the dean regarding the disposition of the case.

#### **Academic Committee Pre-Hearing Procedure**

Within a reasonable time following the failure of the student/instructor/dean meetings to bring about a solution, and in no event later than three (3) months after such failure, the dean shall cause formal charges to be filed with the appointed academic committee. The charged student shall be provided a written notice of charges, in sufficient detail to prepare for the hearing, no less than three (3) days before the hearing, except in cases of emergency as specified below.

#### **Hearings**

*Emergency Hearings.* An expedited emergency hearing may be held before an academic administrator appointed by the dean or by the appointed academic committee in cases that involve the safety, health or welfare of any student or staff member.

*Non-Emergency Hearings.* Non-emergency hearings are held before the Academic Committee.

*General Principles for Non-Emergency Hearings Burden of Proof.* The burden of proof shall be on the Complainant. The standard of proof for decision shall be "substantial evidence," that is, whether it is reasonable to conclude from the evidence submitted that the student did commit the violations for which he/she has been charged and shall not be the strict criminal law standard of proof beyond a reasonable doubt.

*Record.* The proceedings of all hearings shall be recorded.

*Inspection of Evidence.* The student may inspect the evidence that will be presented against him/her.

*Present Evidence.* The student may present evidence on his/her own behalf.

*Question Witnesses.* The student may hear and question adverse witnesses.

*Self-Incrimination.* The student shall not be forced to present testimony that would be self-incriminating.

*Advisor.* The student may have an advisor of his/her choice present; however, the role of such a person is as an advisor to the student only. The advisor may speak to and consult with the student but may not serve as the student's advocate, question witnesses or otherwise participate in the proceedings.

*Decision Based on Evidence.* The decision of the academic committee or appointed academic administrator shall be based solely on the evidence presented at the hearing.

*Decision in Writing.* The decision of the academic committee or appointed academic administrator, including findings of fact and a determination of penalty or sanction if any, shall be presented to the student in writing within a reasonable period of time following the hearing.

*Enrollment Status.* The student's enrollment status will remain unchanged pending final resolution, except in cases of emergency, as described above. If the student has filed a formal appeal of the instructor's action at the time that final grades are assigned, the instructor must assign a grade of "I" until the appeal process has concluded. Upon conclusion of the appeal process, the instructor should submit a Change of Grade form to the department chair for the assignment of the appropriate final grade.

*Closed Hearings.* All hearings shall be closed unless specifically requested otherwise in writing by the charged student prior to the hearing.

*Failure to Appear.* If a student against whom charges have been made fails to appear, the academic committee or academic administrator may proceed in his/her absence.

*Hearing on Appeal.* The charged student may appeal the decision of the academic committee or appointed academic administrator within thirty (30) working days of decision to the Dean of Undergraduate Studies or the Dean of the Graduate School, whichever is appropriate. The record of the initial hearing may be considered on appeal and the

student is entitled to access the record when appealing. The decision of the Dean of Undergraduate Studies or the Dean of the Graduate School is final.

### Standards and Discipline

Any action or the aiding, abetting, or inciting of any action which is in violation of the University's Student Conduct Code and/or University Policy constitutes an offense for which students may be subject up to and including dismissal. Students are responsible for compliance with all public laws as well as University Rules and Regulations. Students should also familiarize themselves with the University's Administrative Policies as defined in the Student Handbook:

<http://www.sa.usf.edu/handbook/02/>.

These include: the Equal Opportunity Policy; the Policy on Sexual Harassment; the policy on Sexual Assault and Battery; the Alcohol Beverage Policy; the Policy on the Illegal Use of Controlled Substances and Alcohol; and the Policy on Hazing. Any act that will constitute a violation of public laws at the University will establish cause for additional legal action.

### Due Process Rights

University disciplinary procedures afford students all rights of due process required for disciplinary matters. These include: being informed in writing of the formal charges; being given three working days to respond to the charges; having the choice of asking for an informal hearing; being provided a copy of the hearing procedures; being permitted to present evidence; and being given the opportunity to cross-examine any witness.

## University Academic Grievance Procedures

To assure students the right to redress of academic grievances, any student may file a question or complaint in the Graduate School.

May 7, 2004; Revised and approved by UGC on Oct. 11, 2004; Revised and approved by GC on Nov. 2004. Approved by Faculty Senate on November 17, 2004.

### University Academic Grievance Procedures

#### I. Purpose-

The purpose of these procedures is to provide all undergraduate and graduate students taking courses

within the University of South Florida an opportunity for objective review of facts and events pertinent to the cause of the academic grievance. Such review will be accomplished in a collegial, non-judicial atmosphere rather than an adversarial one, and shall allow the parties involved to participate. All parties will be expected to act in a professional and civil manner.

The procedures that follow are designed to ensure objective and fair treatment of both students and instructors. These guidelines are meant to govern all Colleges (exclusive of the College of Medicine which maintains its own procedures); however, as individual Colleges or campuses may have different levels of authority or titles, each student must obtain the specific designations used by each college or campus for levels of authority and titles in the process.

In the case of grade appeals, the University reserves the right to change a student's grade if it is determined at the conclusion of the grievance process that the grade given was incorrect. In such circumstances the Dean or Provost/Vice President for Academic Affairs or the Vice President for Health Sciences Center may file an administrative grade change. The term "incorrect" means the assigned grade was based on something other than performance in the course, or that the assignment of the grade was not consistent with the criteria for awarding of grades as described in the course syllabus or other materials distributed to the student. In the case of all other academic grievances the University reserves the right to determine the final outcome based on the procedures detailed herein.

#### II. Terms and Guidelines

An "*academic grievance*" is a claim that a specific academic decision or action that affects that student's academic record or status has violated published policies and procedures, or has been applied to the grievant in a manner different from that used for other students. Grievances may relate to such decisions as the assignment of a grade seen by the student as incorrect or the dismissal or failure of a student for his or her action(s). Academic grievances will not deal with general student complaints.

"*Instructor*" shall mean any classroom instructor, thesis/dissertation/directed study supervisor, committee member or chair, or counselor/advisor who interacts with the student in an academic environment.

“*Department Chair/Director*” shall mean the academic head of a college department or the director of a program—or in all cases a “Department’s designee” appointed to handle academic grievances.

“*Dean*” shall mean a College Dean, the Dean of Undergraduate Studies, or the Dean of the Graduate School, as indicated—or in all cases a “Dean’s designee” appointed to handle academic grievances for the unit.

“*Time*” shall mean “*academic time*,” that is, periods when university classes are in session. **The person vested with authority at the appropriate level may extend any of the time periods contained herein for good cause.** Any extensions must be communicated in writing to all parties. For the purposes of this policy, each step shall be afforded three (3) weeks as a standard time limit. When a department considers a grievance according to published departmental procedures approved by the College Dean and Provost, the time line specified in this academic unit’s procedures will govern the process and no additional notice of time extension is needed.

“*Written communication*” shall mean communication by hard copy to the recipient’s address of record.

The “*burden of proof*” shall be upon the student such that the student challenging the decision, action or grade assigned has the burden of supplying evidence that proves that the instructor’s decision was incorrect. In considering grievances, decisions will be based on the preponderance of the evidence.

Neither party shall be entitled to bring “*legal representation*” to any actual grievance proceeding as this is an internal review of an academic decision.

As some Colleges may not have departments or some campuses may use different titles, the next level that applies to that College shall be substituted. If the incident giving rise to a grievance occurs on the **St. Petersburg campus**, the approved policy on that campus shall govern.

### III. Resolution at the Department Level

A. The student shall first make a reasonable effort to resolve his or her grievance with the

instructor concerned, with the date of the incident triggering the start of the process (i.e., the issuance of a grade; the receipt of an assignment), and the instructor shall accommodate a reasonable request to discuss and attempt to resolve this issue.

- B. If the situation cannot be resolved or the instructor is not available, the student shall file a notification letter within three weeks of the triggering incident to the department Chairperson/Director. This shall be a concise written statement of particulars and must include information pertaining to how, in the student’s opinion, University policies or procedures were violated. The department Chairperson/Director shall provide a copy of this statement to the instructor.
- C. The department Chairperson/Director shall discuss the statement jointly or individually with the student and the instructor to see if the grievance can be resolved. If the department maintains its own grievance procedure,<sup>2</sup> it should be applied at this point. If the grievance can be resolved, the Chairperson/Director shall provide a statement to that effect to the student and the instructor with a copy to the College Dean.
- D. If the grievance cannot be resolved, the department Chair/Director shall notify both the student and the instructor, informing the student of his/her right to file a written request within three weeks to advance the grievance to the College Level. The instructor may file a written response to the grievance petition. Upon receipt of the student’s request to move the process to the College Level and the instructor’s response to the grievance (if provided), the Chairperson/Director shall immediately notify the College Dean of the

<sup>2</sup> Departments may develop their own formal procedures for considering grievances. Such procedures must be considered and approved by the College Dean and the Provost, and published on the Department’s web site. When such procedures exist, the Department’s examination of the grievance will unfold as specified in the procedures. If the Departmental process upholds the student’s grievance, the Department Chair will work with the College, the student and the instructor to remedy the situation. If the Department does not uphold the grievance, the Chair will report the fact to the Dean. The student may, in such cases, request the College Level review as outlined in these university procedures.

grievance, providing copies of the student's initiating grievance statement, any instructor's written response to the grievance, and the written request from the student to have the process advanced to the College Level. Should the student not file a written request to move the grievance to the College Level within the prescribed time, the grievance will end.

If the grievance concerns the Chairperson/Director or other officials of the department, the student has a right to bypass the departmental process and proceed directly to the College Level.

#### IV. Resolution at the College Level

A. Upon receipt of the grievance, the College Dean shall either determine that the matter is not an academic grievance and dismiss it or within three weeks shall establish an Academic Grievance Committee. The membership of the Committee shall be constituted as follows:

1. Three (3) faculty members and two (2) students (undergraduate or graduate as appropriate to the case) shall be selected from the college by the Dean.
2. Wherever practical, the Committee shall include neither members of the faculty nor students of the department directly involved with the grievance, nor faculty nor students of the student's major department. However, if requested by the department, committee, or participants, faculty or students from the department involved with the grievance or from the student's major department may provide expert or other relevant testimony in the proceedings.

A. The Committee will operate in the following manner:

1. The Committee Chairperson will be appointed by the College Dean from among the three faculty members appointed to the Committee.
2. The Committee Chairperson shall be responsible for scheduling meetings, overseeing the deliberations of the committee and ensuring that full and

fair consideration is provided to all parties. The Committee Chairperson *shall vote* on committee decisions only when required to break a tie.

3. All deliberations shall be in private and held confidential by all members of the Committee and those involved in the proceedings. The recommendation of the Committee shall be based on the factual evidence presented to it.
4. Within three weeks of the Committee appointment, the Committee Chairperson shall deliver in writing to the student, instructor, department Chairperson/Director or Program Director, and College Dean a report of the findings and a recommended resolution.
5. Within three weeks of receipt of the Committee recommendation, the College Dean shall provide a decision in writing to all parties.
6. The student or the instructor may appeal the decision of the College Dean to the University Level only if the decision of the College Dean is contrary to the recommendation of the Committee or if there is a procedural violation of these Student Academic Grievance Procedures. Such an appeal must be made in writing to the Dean of Undergraduate Studies or the Dean of the Graduate School (as appropriate) within three weeks of receipt of the decision from the College Dean. Otherwise, the College Dean's decision is final and not subject to further appeal within the University.

#### V. Resolution at the University Level

The Provost/Vice President for Academic Affairs or the Vice President for the Health Sciences Center has delegated authority to the Dean of Undergraduate Studies to act in place of the Provost/Vice President in all academic grievance appeals involving undergraduate students unless the grievance occurred in a program within Undergraduate Studies, wherein it will go back to the Provost to redelegate. The Dean of the Graduate School will act in place of the Provost/Vice

President in all academic grievance appeals involving graduate students.

- A. The student or the instructor may appeal at the University Level within three weeks of the receipt of a decision made at the College Level, when the decision by a College Dean is contrary to the recommendation of a college Grievance Committee, or there is cause to think a procedural violation of these University Academic Grievance Procedures has been made. Within three weeks of receipt of the appeal to the decision, the Undergraduate/Graduate Dean in consultation with the Faculty Senate and the Student Senate, shall appoint an Appeals Committee consisting of three faculty members drawn from the university Undergraduate Council or Graduate Council (as appropriate), and two students, undergraduate or graduate (as appropriate).
- B. The structure, functions and operating procedures of the Appeals Committee will be the same as those of the College Committee (i.e., chaired by one of the appointed faculty members appointed by the Undergraduate/Graduate Dean who will not vote except in the case of a tie, having no representation from either party's respective departments, developing a recommendation to the Undergraduate/Graduate Dean, etc.).
- C. Within three weeks of the appointment, the Committee Chairperson shall deliver in writing to the Undergraduate/Graduate Dean a report of the findings of the Committee and a recommended resolution.
- D. Within three weeks of receipt of the Committee recommendation, the Undergraduate/Graduate Dean shall provide a decision in writing to all parties.
- E. If the Undergraduate/Graduate Dean's decision is that a grade change is merited, the Undergraduate/Graduate Dean shall initiate the grade change on the authority of the Provost and so inform all parties. In all academic grievance appeals, the Undergraduate/Graduate Dean's decision is final and not subject to further appeal within the University.

*These procedures shall take effect commencing Fall Semester, 2005, and shall supersede all other academic grievance procedures currently in effect,*

*with the exception of the procedures of the College of Medicine.*

## Appeals

Degree-seeking graduate students may appeal actions regarding their academic status or academic performance. Reports of actions and appeals will be maintained in the student's permanent file. For all appeals, the student must appeal in writing first to the department through the Major Professor or Graduate Program Director, then to the College Dean or representative, and then to the Dean of the Graduate School, if necessary.

## Graduate Catalog

The USF Graduate Catalog, including college and program requirements, and program and course descriptions, is available on the web at <http://www.grad.usf.edu>. Each Catalog is published and in effect for the academic term(s) noted on the title page.

### Student's Program Degree Requirements

In order to graduate, students must meet all graduation requirements specified in the USF Catalog of their choice. As the University is dynamic, changes and updates to the catalog are anticipated. Where possible, the student controls changes to program degree requirements by the choice of Graduate Catalog. With a few exceptions,, students who are continuously enrolled may select any one Catalog published during their continuous enrollment (refer to the policy on Continuous Enrollment for more information.)

- Students cannot choose a USF Catalog published prior to admission (or readmission if reinstated) or during an academic year in which they did not complete at least two terms. If a student is dropped from the system and must be reinstated, the student's choice of Catalog is limited to the USF Catalog in effect at the time of reinstatement/readmission or any one Catalog published during their continuous re-enrollment.
- If state law or certification requirements change, the student must comply with the most current standard or criteria.
- If the College or Department makes fundamental changes to the program that

necessitates changes in the degree requirements of enrolled students, the needs of those students will be explicitly addressed in the proposal for change and scrutinized by the Graduate School.

- USF procedures not related to degree requirements such as academic grievance procedures, student conduct code and other procedural processes and definitions may be updated each year and the student will be held to the most current catalog and procedures available.
- USF does not commit itself to offer all the courses, programs, and majors listed in this Catalog. If the student cannot meet all of the graduation requirements specified in the Catalog of choice as a result of decisions and changes made by the University, appropriate substitutions will be determined by the program to ensure that the student is not penalized.

#### **Student's Program of Study**

It is recommended that the department or college establish a program of study for the student at the time of admission into the graduate program, outlining the requirements for the degree sought. In the event state mandates, accreditation requirements, etc., make changes to the degree requirements necessary, it is recommended that the program provide an addendum to the program of study outlining what is required for degree completion.

### **Enrollment Requirements**

*Students receiving Veterans' Administration benefits should confirm their enrollment requirements with the Office of Veterans' Services or Veterans' Coordinator.*

#### **Minimum University Regulations**

##### **USF Full-Time Student Definition**

Students taking nine (9) or more hours toward their degree in the fall or spring semester, or taking six (6) or more hours in the summer semester, will be classified as Full-Time students for academic purposes. For financial aid requirements, contact the Office of Financial Aid.

#### **Continuous Enrollment for All Graduate Students**

All graduate degree-seeking students must be continuously enrolled. Continuous enrollment is defined as completing, with grades assigned, a minimum of 6 hours of graduate credit every three continuous semesters (i.e. two (2) hours Spring/ two (2) Summer/ two (2) Fall; OR, three (3) Fall/ zero (0) spring/ three (3) Summer; OR six (6) Fall/ zero (0) Spring/ zero (0) Summer; etc.). Colleges and programs may have additional requirements. Students on an approved leave of absence are not subject to the enrollment requirement for the time approved for the leave. See also the Time Limitations Policy.

#### **Reinstatement Following Non-enrollment**

Degree-seeking graduate students who have not been continuously enrolled are automatically dropped from the system and changed to a non-degree seeking status. These students must apply for reinstatement of admission and may be subject to the admission criteria in effect at the time of reinstatement. Procedures for reinstatement are available on the Graduate Admissions Website at: <http://www.grad.usf.edu/newsite/admissions/reinstatements.asp>

Students, who were doctoral candidates at the time they were dropped from the system, and are approved for reinstatement, shall have the original date of candidacy, with the time limit for degree completion calculated from that original date. Students reinstated to the program may be subject to the catalog criteria, including program degree requirements, in effect at the time of reinstatement. Reinstated students must enroll in the requested term of re-entry. Students may be required to complete the minimum hours for continuous enrollment that were not previously met.

#### **Enrollment during Comprehensive Exams and Admission to Candidacy**

During the term in which students take the comprehensive exams, students must be enrolled for a minimum of two (2) hours of graduate credit. If the exam is taken between semesters, the student must enroll for a minimum of two (2) hours of graduate credit in the semester before or following the exam. Students must also be enrolled for a minimum of two (2) hours of graduate work in the semester of admission to doctoral candidacy.

#### **Dissertation Hours**

Students working on a dissertation must enroll for a minimum of two (2) hours of dissertation every

semester, starting with the semester following Admission to Doctoral Candidacy, up to and including the semester the dissertation is submitted to and approved by the Graduate School. Dissertation hours may apply to the Continuous Enrollment Requirement. Colleges and programs may have additional requirements.

### **Enrollment during Semester of Thesis**

#### **Submission**

Students must be enrolled for a minimum of two (2) thesis hours during the semester that the thesis is submitted and approved by the Graduate School, usually the semester of graduation. Students not enrolled for the minimum requirement will not have the thesis/dissertation approved and therefore may not be certified for graduation.

### **Enrollment during Semester of Graduation**

Students must be enrolled for a minimum of two (2) graduate hours during the semester of graduation.

### **Enrollment for Graduate Teaching and**

#### **Research Assistants**

Graduate Teaching and Research Assistants should be full-time students. Exceptions must be approved by the College Dean and the Dean of the Graduate School.

### **Leaves of Absence (LOA)**

Leaves of absence may be granted to students under exceptional and unavoidable circumstances. Students requesting a LOA must specify the reasons for the leave, as well as the duration. Requested LOA may be approved for up to two years. Students requiring less than three (3) consecutive terms of absence do not need an approved LOA if they meet the continuous enrollment requirement.

Students with an approved LOA must be enrolled in the first semester after the leave expires. To request an LOA, the student must complete the form available from the Graduate School website. The LOA must be approved by the Major Professor, the Program, the College, and the Graduate School, and is noted in the student's record. If the LOA is granted, the time absent does not count against the student's time limit to obtain the degree.

Students returning from an approved LOA must reactivate their status by contacting the Graduate School for procedures. Doctoral candidates returning from a LOA must also have their candidacy status reactivated.

## **Academic Standards and Grades**

### **Minimum University Requirements**

#### **In Good Standing**

To be considered a student in good standing, graduate students must

- Maintain an overall minimum grade point average (GPA) of 3.00 (on a 4.00 scale) in all courses taken as a graduate student, and
- Maintain an overall minimum grade point average (GPA) of 3.00 (on a 4.00 scale) in all courses taken in each of the student's degree-seeking programs.

No grade of C- or below will be accepted toward a graduate degree. Students must meet the requirements to be in good standing to graduate. A student will not be certified to graduate if an IF or MF is on the transcript, unless the student requests to "accept" the IF or MF grade and the request is signed and approved by the student, program, college and Graduate School. IF or MF grades that are "accepted" will never be changed.

#### **Grade Point Average (GPA)**

The GPA is computed by dividing the total number of quality points by the total number of graded (A-F) hours completed. The total quality points are figured by multiplying the number of credits assigned to each course by the quality point value of the grade given. The GPA is truncated to two decimals (3.48) and is not rounded up.

Credit hours for courses with grades of **I, IU, M, MU, N, S, U, Q** and grades which are preceded by **T** (Transfer) are subtracted from the total hours attempted before the GPA is calculated. Graduate students are not eligible for grade forgiveness. All grades earned, regardless of course level, will be posted on the transcript. If a student retakes a course, both grades will be used in the determination of the GPA. Courses taken at USF as non-degree-seeking are not computed in the GPA unless the courses are transferred in and applied to the degree requirements. The program and the college must approve such actions.

Grades for transfer credits accepted toward the degree program will not be counted in the GPA unless the coursework in question was taken as a non-degree-seeking student at USF and meets the requirements stated above (see [Transfer of Credit](#) section).



**Graduate Grading System****Plus/Minus Grading:**

Effective fall semester 2000, graduate and undergraduate grades will be assigned quality points in the Grade Point Average (GPA) grading system. The +/- designation must be included in the syllabus provided at the beginning of the course. The use of the +/- grading system is at the discretion of the instructor. The syllabus policy is available in the office of the Provost.

Letter grade = number of grade points

A+	4.00
A	4.00
A-	3.67
B+	3.33
B	3.00
B-	2.67
C+	2.33
C	2.00
C-	1.67
D+	1.33
D	1.00
D-	.67
F	0.00
FF	Failure due to academic dishonesty
I	Incomplete, grade points not applicable
IF	Incomplete grade changed to F, 0.00 grade points
IU	Incomplete grade changed to U, grade points not applicable
M	Missing grade/no grade reported by instructor, grade points not applicable
MF	Missing grade changed to F, 0.00 grade points
MU	Missing grade changed to U, grade points not applicable
N	Audit, grade points not applicable
S/U	Satisfactory/Unsatisfactory, grade points not applicable
W	Withdrawal or drop from course without penalty, grade points not applicable
Z	Continuing registration in multi-semester internship or Thesis/Dissertation courses, grade points not applicable

**Satisfactory (S)/ Unsatisfactory (U)**

Graduate students may not take courses in the major on an S/U (satisfactory / unsatisfactory) basis unless courses are specifically designated S/U in the Catalog. Students may take courses outside of the major on a S/U basis with prior approval of the course professor, major professor or advisor, and the Dean of the College in which the student is seeking a degree. The student may apply a maximum of 6 hours of such credit (excluding

those courses for which S/U is designated in the Catalog) toward a master's degree. Directed Research, Thesis, and Dissertation courses are designated as variable credit and are graded on an S/U basis only. Before a student begins work under Directed Research, a written agreement must be completed between the student and the professor concerned, setting forth in detail the requirements of the course.

**Incomplete (I)**

An **I** grade indicates incomplete coursework and may be awarded to graduate and undergraduate students (undergraduate rules apply to all non-degree-seeking students). An **I** grade may be awarded, at the discretion of the instructor, only when a small portion of the student's work is incomplete and only when the student is otherwise earning a passing grade. An **I** grade not cleared within the next two successive academic semesters (including summer semester) will be converted to **IF** or **IU**, whichever is appropriate. **I** grades are not computed in the GPA. **IF** grades are calculated in the GPA and, if applicable, the student will be placed on academic probation or academically dismissed. Students must not re-register for courses in order to complete an **I** grade. An audit of the course should not be required to complete the **I** grade. A written contract for incomplete grades must include a description of the work to be completed, the date by which the work is to be submitted, and the signature approval of the course instructor and student, with a copy filed in the department. Students cannot be admitted to doctoral candidacy or certified for graduation with an **I** grade.

**Missing (M)**

The University policy is to issue an **M** grade automatically when the instructor does not submit any grade for a graduate student (undergraduate rules apply to undergraduate and non-degree-seeking students). Until it is removed, the **M** is not computed in the GPA. An **M** grade which is not cleared within the next academic semester (including summer semester) will be converted to **MF** or **MU**, whichever is appropriate. **MF** grades are calculated in the GPA and if applicable, the student will be placed on academic probation or academically dismissed. To resolve the missing grade, students receiving an **M** grade must contact their instructor. If the instructor is not available, the student must contact the instructor's department chair. Students cannot be admitted to doctoral candidacy or certified for graduation with an **M** grade.

**Continuing Registration Grades (Z)**

The **Z** grade shall be used to indicate continuing registration in multi-semester internship or thesis/dissertation courses where the final grade to be assigned will indicate the complete sequence of courses or satisfactory completion of the thesis/dissertation. Upon satisfactory completion of a multi-semester internship or thesis/dissertation, the final grade assigned will be an **S**. The Graduate School submits the change of grade for the last registration of thesis/dissertation courses once the thesis/dissertation has been accepted for publication.

Note: Graduation will not be certified until all courses have been satisfactorily completed. No grade changes will be processed after the student has graduated except in the case of university error. Procedures requiring petitions are processed through the Graduate School.

**Probation**

Any student who is not in good standing at the end of a semester shall be considered on probation as of the following semester. The college or program may also place students on probation for other reasons as designated by the college or program. Notification of probation shall be made to the student in writing by the department, with a copy to the College Dean. At the end of each probationary semester, the department shall recommend, in writing, to the College Dean one of the following:

1. Removal of probation
2. Continued probation; OR
3. Dismissal from the degree program.

Students with a GPA below 3.00 for two consecutive semesters will be prevented from registering for courses without the permission of the College Dean. The College Dean will notify the Dean of the Graduate School in cases of academic dismissal. To be readmitted, the student will need to reapply for admission, meeting the admission criteria in place at the time.

**Withdrawal**

A student may withdraw from the university without grade penalty by the University deadline. Information on the different types of withdrawal (i.e., withdrawing from a single class, an entire semester, or from the degree program itself) can be obtained from the Registrar's Office. Appropriate alternative calendar dates may apply. Students who withdraw may not continue to attend classes.

**Transfer of Credit**

Transfer of graduate credit from a regionally-accredited school is generally limited to nine (9) semester hours. All transfer credit must have grades of **B** or better and be approved by the program or college concerned. Grades from transfer credit are not calculated in the GPA. Therefore, grades on the transcript that are preceded by a **T** are subtracted from the total hours attempted before the GPA is calculated. Post-baccalaureate transfer credits from other institutions and special student credits must be evaluated and transferred by the time of formal acceptance and enrollment. The graduate program/department will be responsible for evaluating and initiating the transfer.

**Change of Graduate Degree Program**

Students who wish to change from one degree program to another (at the same level) must obtain a Graduate Change of Program Application from the Office of the Registrar or their college advising office. The new department will consider the Change of Program request as a new application. The Deans of the Colleges involved and the Dean of the Graduate School must approve the Change of Degree. The new department may elect to accept all, some, or none of the graduate courses previously taken by the student and only those courses accepted will be computed in the GPA. Students desiring to change program levels (e.g. from a Master's program to Doctoral program) must submit a new application for admission.

**Dual Degree Programs**

A student may wish to pursue two degrees simultaneously. Upon approval by the appropriate College Dean(s) and Dean of the Graduate School, a prescribed number of courses (generally no more than nine (9) hours of core or basic courses) required for one degree may be applied to another degree that requires the same courses, without repetition or alternative courses. Procedures for applying for a Dual degree program are available on the Graduate School website.

**Off-Campus Courses and Programs**

Graduate courses and programs are offered at locations other than the Tampa, Sarasota, St. Petersburg, and Lakeland campuses. Information on course enrollment procedures for off-campus courses and programs may be obtained from the college in which the courses or programs are offered.

## Section 8

# University Degree Requirements

The following sections describe the University requirements established by the Graduate School for the Master's, Education Specialist, and Doctoral degrees. However, individual programs and colleges may establish additional or *more stringent* requirements.

### Student Responsibilities

The University of South Florida and all colleges, departments and programs therein establish certain academic requirements that must be met before a degree is granted. These requirements concern such things as curricula and courses, majors and minors, and academic residence. Faculty and graduate program directors are available to help the student understand and arrange to meet these requirements, but the student is responsible for fulfilling them.

At the end of a student's course of study, if all requirements for graduation have not been satisfied, the degree will not be granted. For this reason, it is important for students to acquaint themselves with all regulations and to remain currently informed throughout their college careers. Courses, programs, and requirements described in the catalog may be suspended, deleted, restricted, supplemented, or changed in any other manner at any time at the sole discretion of the University and the USF Board of Trustees.

### Graduate Faculty Definition

The University of South Florida defines its graduate faculty to consist of all regular faculty appointed at the Assistant, Associate, or Professor rank, who hold a terminal degree or equivalent in their discipline. Individual academic units have the discretion to establish additional requirements.

## Master's Degree Requirements

### Minimum Hours

A minimum of thirty (30) hours is required for a master's degree, at least sixteen (16) hours of which must be at the 6000 level. At least twenty (20) hours must be in formal, regularly scheduled course work, ten (10) of which must be at the 6000 level.

Up to six (6) hours of 4000-level courses may be taken as part of a planned degree program. Additional graduate credit may be earned in 4000-level courses only if specifically approved by the appropriate College Dean. Students enrolled in undergraduate courses as part of a planned degree program are expected to demonstrate a superior level of performance. Graduate students may not enroll for more than 18 hours in any semester without written permission from the College Dean.

### Time Limitations

For students beginning their degree program at USF in fall 1996 or thereafter, all credits (including transfer credits) used to satisfy the requirements for the master's degree must be taken and completed within seven (7) academic years prior to the date of graduation.

In the event that a student nears the end of the time limitation as specified above, but the student needs more time to complete the degree, the student may submit a request for an extension. Procedures for requesting an extension to the time limit are available on the Graduate School website ([http://www.grad.usf.edu/newsite/forms/grad\\_form\\_s.asp](http://www.grad.usf.edu/newsite/forms/grad_form_s.asp)). Students who are temporarily unable to continue the program should submit a Leave of Absence Request, which extends the time limit for the duration of the approved Leave (see the section on *Leave of Absence* in the *Enrollment Requirements* section.)

### Enrollment Requirements

Refer to the Academic Policies Section

**Major Professor**

A major professor will be appointed as soon as possible but no later than the time the student has completed 50% of the program. The student and major professor should plan a program of study which, when completed, will satisfy the degree requirements specified. A copy of this program, signed by the student and professor, must be maintained in the student's department file. Major Professors must meet the following requirement:

- be regular graduate faculty, as defined by the University.

Faculty who do not meet this definition may serve as Co-Major Professor with faculty who do.

In the event a Major Professor leaves the University (i.e. for an appointment at another university, due to retirement, etc.) and the Major Professor is willing to continue serving on the student's committee, the Major Professor then becomes a Co-Major Professor on the committee and another faculty is appointed as the other Co-Major Professor. It is important that one of the Co-Major Professors be accessible on the university campus for the student to make satisfactory progress on the thesis/dissertation.

In the event a Major Professor is on temporary leave (e.g. sabbatical, research, etc.), the Major Professor shall coordinate with the Program Director to facilitate the needs of the student.

In some instances a student may choose to have two professors serve as Major Professor. In this situation the faculty are approved as "Co-Major Professors" and jointly serve in that role. Consequently both faculty must sign approval on paperwork pertaining to the student's processing (i.e. committee form, change of committee form, etc.)

**(Co-) Major Professor(s) of the Graduate Student Supervisory Committee Responsibilities**

Available on the Graduate School Website:  
<http://www.grad.usf.edu/newsite/policies.asp>

**Thesis Committee**

Students working toward a thesis degree will have the benefit of a committee of members of the graduate faculty. The committee will approve the course of study for the student and plan for research, supervise the research and any comprehensive qualifying exams, and read and approve the thesis for content and format.

**Composition**

The committee will consist of the major professor and at least two other members or co-major professors and at least one other member of the department or area of interest in which the degree is sought. (Colleges and Programs may require additional committee members and specify characteristics.)

**Member Definition**

All graduate faculty, as defined by the university and the college/department, and approved by their department and college, are assumed by Graduate School as qualified to be a member of and/or supervise a Masters Thesis committee. Persons desiring to serve on a Masters committee who are not defined as Graduate Faculty (i.e. visiting faculty, professionals, etc.) by the university and the college/department must submit a curriculum vitae and be approved by the department, college, and Graduate School for each committee.

**Approval**

Once a committee has been determined, a Supervisory Committee Form needs to be completed by the student and submitted to the Committee Members for original signatures. Check with the College for instructions and forms. The original appointment form and two (2) copies should be submitted to the College Associate Dean's office for approval. A copy of the approved form should be kept in the student's file.

An approved and current Committee Form must be on file in the program/college before graduation may be certified. Committee forms need to be processed as early in the program as possible, but no later than the semester prior to graduation. (Colleges and departments may institute additional requirements for membership on Supervisory Committees.)

**Changes to Committee**

Changes to a Supervisory Committee must be submitted on a Change of Committee Form. Check with the College for instructions and forms. Original signatures of faculty being added to the Committee, along with the approval signature of the (Co-) Major Professor(s), must be on the form. Faxed signatures are acceptable.

Faculty who are removed from the Committee are not required to sign the form, provided that the (Co-) Major Professor(s) has signed. In such instances the signature of the (Co-)Major Professor(s) indicate(s) approval of the change, as well as

acknowledgement and approval of the change by the removed member. Any non-faculty being added to a committee must submit a Curriculum Vitae (CV) for college approval. Change of Committee Forms should be submitted for approval as soon as the change takes place. Changes to a Committee are official only once approved and filed by the program and college.

### **Masters Comprehensive Examination**

Prior to clearance for the degree, candidates must perform satisfactorily on a comprehensive examination or an alternative method designated by the academic unit to measure student competency in the major area. Students must be enrolled for a minimum of two (2) hours of graduate credit during the semester when the comprehensive examination is taken. If the exam is taken between semesters, the student must be enrolled for a minimum of two (2) hours of graduate credit in the semester before or following the exam.

### **Thesis**

If a thesis is required, it must conform to the guidelines of the University. Refer to the Thesis and Dissertation Guidelines, available on the web at <http://www.grad.usf.edu/newsite/thesis.asp> for complete information about requirements, procedures, and deadlines. For enrollment requirements, refer to the Academic Policies section in the Catalog.

### **Format**

The Thesis must conform to a traditional format<sup>3</sup> inclusive of:

- Part I: Preliminary Pages
  - Title Page
  - Note to Reader (if applicable)
  - Dedication (optional page)
  - Acknowledgments (optional page)
  - Table of Contents
  - List of Tables (if applicable)
  - List of Figures (if applicable)
  - Abstract
- Part II: Text (divided by chapter or section headings)
- Part III: References / Bibliography<sup>4</sup>
  - Appendices Title Page
  - Appendix Sections (if applicable)

<sup>3</sup> Deviations from the traditional format are acceptable if approved in advance by the Supervisory Committee and Graduate School

<sup>4</sup> Include either References or a Bibliography, as specified by your style guide

Part IV: About the Author (required for dissertations)

### **Directed Research**

Directed Research hours may satisfy up to 50% of the thesis hour requirement.

### **Manuscript Processing Fee**

Students participating in the thesis/dissertation process are required to pay a processing fee. If the student fails to complete the process within the semester, they are required to go through the process again and subsequently pay the Manuscript Processing Fee again. More information is available on the Thesis and Dissertation website.

### **Exchange of Thesis for Non-Thesis Credit**

If a student changes from thesis to non-thesis during a semester and is currently enrolled in thesis credit, the current thesis credits may be exchanged without academic penalty if a Graduate School Petition is filed with the Graduate School no later than the last day to withdraw without Academic Penalty.

If a student enrolled in a thesis required program has taken thesis credits but elects to change to non-thesis track or program, the accumulated thesis credits may not be exchanged or converted to another non-structured credit. The thesis hours will remain on the transcript and will retain the "Z" grade.

### **Thesis Defense**

Policies and procedures for the thesis defense are handled within the College and Program. Contact the College and Program for requirements.

### **Thesis Final Submission Guidelines**

Information on requirements for submission of the finished and approved manuscript copies is available online at the Thesis and Dissertation website <http://www.grad.usf.edu/newsite/thesis.asp>. Students who fail to submit the final copy of a thesis by the posted submission deadline will be considered for graduation in the following semester and must therefore apply for graduation by the posted deadline, enroll in a minimum of two (2) thesis hours for that subsequent semester, submit their manuscript for processing again, and pay the manuscript processing fee again. Only after the Graduate School has approved the manuscript can the student be certified for the degree.

**Mandatory Electronic Submission**

Students are required to submit the thesis in an electronic format (ETD). Requirements and procedures are available at the Graduate School website <http://www.grad.usf.edu/newsite/thesis.asp>

**Changes after Publication**

Once a thesis is approved and accepted by the Graduate School for publication, it cannot be changed.

**Release of Thesis Publications**

The University recognizes the benefits from collaboration with sponsors on research projects but also recognizes the possibility of conflicts of interest in the disclosure of the results of the collaborations. While the sponsor's economic interests in the restriction of disclosure should be considered, the University has a primary mission to extend knowledge and disseminate it to the public and the broader academic community.

The University's "Statement of Policy Regarding Inventions and Works" acknowledges the possible need for delays in publication of sponsored research to protect the sponsor's interests, but it provides no definite guidelines for the restrictions of publication beyond the statement: "Disclosure delays mutually acceptable to the Inventor, the Vice President for Research, and the sponsor, if any, are authorized in order to allow patent applications to be filled prior to publication, thereby preserving patent rights..."<sup>5</sup>

To protect the University's primary goal from undue compromise, the University has adopted the following guidelines:

1. The recommendations of sponsors, regarding publication of research results should be considered advisory rather than mandatory.
2. In support of academic discourse and the mission to promote and share academic works, Theses will be released for worldwide access once submitted to and approved by the USF Graduate School. In the event that a patent or copyright application provides reason to delay the release of the Thesis, a petition to request

a one year delay may be submitted to the Graduate School for consideration. Such requests must be received by the format check of the thesis.

3. Students should not be delayed in the final defense of their theses by agreements involving publication delays.

**Duty to Disclose New Inventions and Works**

The complete policy regarding Duty to Disclose New Inventions and Works may be viewed at: [http://www.research.usf.edu/pl/0\\_300\\_INVENTIONS\\_WORKS.pdf](http://www.research.usf.edu/pl/0_300_INVENTIONS_WORKS.pdf)

For information about this policy contact the Division of Patents and Licensing at (813) 974-0994.

**Thesis Change of Grade**

In the semester in which the final manuscript has been received, reviewed, and certified for permanent filing in the University Library, the Graduate School submits the change of grade from "Z" to "S" for the last registration of thesis courses to the office of the registrar when all grades are due at the end of the semester.

**Education Specialist Degree (Ed.S.) Requirements****Ed.S. Thesis**

Students who are required to submit an Ed.S. Thesis must meet all of the requirements for the thesis, as specified in the Master's Degree section of this publication. For specific degree program information, refer to the College of Education.

**Ed.S. Project**

Students who are required to submit an Ed.S. Non-Thesis project must meet all of the requirements as specified by the College of Education. A project does not need to meet the requirements of a thesis and is not submitted to the Graduate School for approval and archiving.

<sup>5</sup> April Burke, "University Policies on Conflict of Interest and Delay of Publications," Report of the Clearinghouse on University-Industry Relations, Association of American Universities, February, 1985.

## Doctoral Degree (Au.D., Ed.D., Ph.D., D.P.T.) Requirements

The doctoral degree is granted in recognition of high attainment in a specific field of knowledge. It is a research degree and is not conferred solely upon the earning of credit, the completion of courses, or the acquiring of a number of terms of residency, but also the successful completion of scholarly work. The length of residency and the requirements below are minimums; programs/colleges may elect to establish more rigorous requirements.

The degree will be granted after the student has shown proficiency and distinctive achievement in a specified field, has demonstrated the ability to do original, independent investigation, and has presented these findings with a high degree of literary skill in a dissertation.

A major professor will be appointed as soon as possible but no later than the time the student has completed 50% of the program. The advisor will advise on any specific subject matter deficiencies and assist in the choice of a major professor and area of research

### Minimum Hours

Because the doctoral degree is earned on the basis of advancement to doctoral candidacy status and satisfactory completion of the dissertation, the Graduate School does not specify any minimum number of courses or credit hours that must be completed for award of the degree. Students must comply with general enrollment requirements and also academic residency requirements.

### Time Limitations

For students admitted to their doctoral program in Fall 1996 or thereafter, all course work taken after admission to the Ph.D. program and before admission to candidacy must be completed within 5 academic years for those entering with a Master's degree and within seven (7) academic years for those entering without a Master's degree. If admitted to candidacy on August 30, 1996 or thereafter, the candidate has five (5) academic years to obtain the doctoral degree.

In the event that a student nears the end of the time limitation as specified above, but the student needs more time to complete the degree, the student may submit a request for an extension using the *Time*

*Limit Extension Request Form*, available on the Graduate School website

[http://www.grad.usf.edu/newsite/forms/grad\\_forms.asp](http://www.grad.usf.edu/newsite/forms/grad_forms.asp) Students who exceed the time limitations may have their registration placed on hold until a request for extension has been approved.

Students who are temporarily unable to continue the program should submit a Leave of Absence Request, which extends the time limit for the duration of the approved Leave (see Leave of Absence in the Enrollment Requirements section for information; the *Leave of Absence Request Form* is available online at:

[http://www.grad.usf.edu/newsite/forms/grad\\_forms.asp](http://www.grad.usf.edu/newsite/forms/grad_forms.asp) )

### Enrollment Requirements

See Academic Policies Section

### Academic Residency

Students must be enrolled in a doctoral program for a minimum of three (3) years beyond the baccalaureate degree. At least 25% of the total hours required for the degree must be completed on a USF campus. Deviations from this rule must be recommended by the student's doctoral committee and approved by the College Dean and the Dean of the Graduate School.

### Major Professor

A major professor will be appointed as soon as possible but no later than the time the student has completed 50% of the program. The student and Major Professor should plan a program of study which, when completed, will satisfy the degree requirements specified. A copy of this program, signed by the student and professor, should be maintained in the student's department file.

Major Professors must meet the following requirements:

- be active in scholarly pursuits as evidenced by at least one referred publication in the last three years.
- be regular graduate faculty, as defined by the University. Faculty who do not meet this definition may serve as Co-Major Professor with faculty who do.

In the event a Major Professor leaves the University (i.e. for an appointment at another university, due to retirement, etc.) and the Major Professor is willing to continue serving on the student's committee, the

Major Professor then becomes a Co-Major Professor on the committee and another faculty is appointed as the other Co-Major Professor. It is important that one of the Co-Major Professors be accessible on the university campus for the student to make satisfactory progress on the thesis/dissertation.

In the event a Major Professor is on temporary leave (e.g. sabbatical, research, etc.), the Major Professor shall coordinate with the Program Director to facilitate the needs of the student.

In some instances a student may choose to have two professors serve as Major Professor. In this situation the faculty are approved as "Co-Major Professors" and jointly serve in that role. Consequently both faculty must sign approval on paperwork pertaining to the student's processing (i.e. committee form, change of committee form, admission to candidacy, etc.)

**(Co-) Major Professor(s) of the Graduate Student Supervisory Committee Responsibilities**

Available on the Graduate School Website:

<http://www.grad.usf.edu/newsite/policies.asp>

**Doctoral Committee**

As soon as an area of research is determined and a major professor is selected, a Doctoral Supervisory Committee will be appointed and approved for the student. The department will request approval of the Doctoral Committee from the Dean of the College and, as needed, the Dean of the Graduate School.

The Doctoral Committee will approve the student's course of study and plan for research, supervise the research, grade the written comprehensive qualifying examination, read and approve the dissertation, and conduct the dissertation defense.

**Composition**

The Doctoral Committee will consist of at least four members, three of whom must come from the academic area in which the major work for the degree will be done.

**Member Definition**

All graduate faculty as defined by the university and the college/department and approved by their department and college are assumed by Graduate School as qualified to be a member of a Doctoral Committee. Persons desiring to serve on a Doctoral committee who are not defined as Graduate Faculty

(e.g., visiting faculty, professionals, etc.) by the university and the college/department must submit a curriculum vitae and be approved by the Department, College, and, as needed, Graduate School for each committee.

**Approval**

Once a committee has been determined, a Supervisory Committee Form needs to be completed by the student and submitted to the Committee Members for original signature. Check with the College for instructions and forms.

To insure uniformity of excellence across the colleges, (Co-)Major Professor(s) of Ph.D. Dissertation Committees will need to submit a current curriculum vitae (equivalent to an NIH Bio, approximately two pages long with the last three [3] years of scholarly activity included) with the committee appointment form to the College Dean or designee. This approval is in addition to the approval from their department chairperson. (Colleges and departments may institute additional requirements for membership on Supervisory Committees.)

Once approved, the original form and the approved Curriculum Vitae (CV) are placed in the student's file.

An approved and current Committee Form must be on file in the program/college before graduation may be certified. Committee forms need to be processed as early in the program as possible, but no later than the semester prior to graduation.

**Changes to Committee**

Changes to a Supervisory Committee must be submitted on a Change of Committee Form. Check with the College for instructions and forms. Original signatures of faculty being added to the Committee, along with the approval signature of the (Co-) Major Professor(s), must be on the form. Faxed signatures are acceptable. Faculty who are removed from the Committee are not required to sign the form, provided that the (Co-) Major Professor(s) has signed. In such instances the signature of the (Co-) Major Professor(s) indicate(s) approval of the change, as well as acknowledgement and approval of the change by the removed member.

Any non-faculty being added to a committee must submit a CV for approval. If a faculty member is being added as a Co-Major Professor, or if there is an appointment change to the Major Professor



position, a CV must be included for the faculty member who is being added to that position. Change of Committee Forms should be submitted for approval as soon as the change takes place. Changes to a Committee are official only once approved and filed by the program and college. An approved and current Committee Form must be on file before graduation may be certified.

### **Doctoral Comprehensive Qualifying Examination**

As soon as the substantial majority of the course work is completed, the student must pass a written comprehensive qualifying examination covering the subject matter in the major and related fields. This examination may be supplemented by an oral examination. Students must be enrolled for a minimum of two (2) hours of graduate credit in their discipline at the time they take the comprehensive examinations. If the exam is taken between semesters, students must be enrolled for a minimum of two (2) hours of graduate credit in the semester before or following the exam.

### **Admission to Candidacy**

Students may not be admitted to candidacy until a Doctoral Committee has been appointed, and the Committee has certified that the student has successfully completed the comprehensive qualifying examination and demonstrated the qualifications necessary to successfully complete requirements for the degree. The Admission to Candidacy form should be submitted for approval no later than the semester following the successful completion of the exam. The form will be approved by the Dean of the College and forwarded to the Dean of the Graduate School for final approval. Doctoral Candidacy is effective as of the day that the Graduate School approves of the request and changes the student's status.

As long as the Candidacy request is received between the first and last day of class during the fall and spring semesters or between the first day of class and one week before the last day of class in Session B during the summer semester, and the Candidacy is cleared for approval, the Candidacy will be effective as of that semester. Students must have an overall and degree program Grade Point Average (GPA) of 3.00 at the time of candidacy for candidacy to be approved. Candidacy will not be approved if there are any "I" (Incomplete) or "M" (Missing) grades on the transcript. All "I" and "M" grades, including "IF" and "MF", must be cleared before candidacy may be finalized.

Once candidacy status is approved, the student may then enroll in dissertation hours the following semester. Students may NOT enroll in dissertation hours prior to being admitted to doctoral candidacy. Each degree program has a required number of dissertation hours for completion of the degree. Departments may, with College approval, apply Directed Research hours toward the total number of dissertation hours required. Directed Research hours shall not exceed 50% of the dissertation hour requirement. No directed research hours will be converted to dissertation hours (i.e. a directed research course dropped and a dissertation course added) prior to or during the semester of Candidacy. For more information refer to *Enrollment Requirements* in the Academic Policies section.

### **Dissertation**

Dissertation requirements are for the academic degrees of Ph.D. and Ed.D. For the professional degrees of Au.D. and D.P.T., contact the professional school for doctoral project requirements. The Dissertation must conform to the guidelines of the University. Refer to the Thesis and Dissertation Guidelines, available on the web at <http://www.grad.usf.edu/newsite/thesis.asp> for information about requirements, procedures, and deadlines. For enrollment requirements, refer to the Academic Policies section in the Catalog.

### **Format**

The Thesis must conform to a traditional format<sup>6</sup> inclusive of:

- Part I: Preliminary Pages
  - Title Page
  - Note to Reader (if applicable)
  - Dedication (optional page)
  - Acknowledgments (optional page)
  - Table of Contents
  - List of Tables (if applicable)
  - List of Figures (if applicable)
  - Abstract
- Part II: Text (divided by chapter or section headings)
- Part III: References / Bibliography<sup>7</sup>
  - Appendices Title Page
  - Appendix Sections (if applicable)
- Part IV: About the Author (required for dissertations)

<sup>6</sup> Deviations from the traditional format are acceptable if approved in advance by the Supervisory Committee and Graduate School

<sup>7</sup> Include either References or a Bibliography, as specified by your style guide

**Directed Research**

Directed Research hours may satisfy up to 50% of the dissertation hour requirement.

**Manuscript Processing Fee**

Students participating in the thesis/dissertation process are required to pay a processing fee. If the student fails to complete the process within the semester, they are required to go through the process again and subsequently pay the manuscript processing fee again. More information is available on the Thesis and Dissertation website <http://www.grad.usf.edu/newsite/thesis.asp>

**Dissertation Defense**

After the Doctoral Committee has determined that the final draft of the dissertation is suitable for presentation; the Committee will request the scheduling and announcement of the Dissertation Defense (also called Final Oral Examination.) Check with the College and program for college and program specific procedures for this process. A copy of the announcement should be sent to the Graduate School, preferably two weeks in advance of the defense date. The announcement must also be posted in a public forum for a minimum of twenty-four hours to comply with statute requirements for a public meeting. A student must successfully defend the dissertation in order to be able to proceed and complete the final submission process.

**Outside Chair of the Dissertation Defense**

The Dissertation Defense (or Final Oral Examination) shall be presided by a senior and distinguished scholar from outside the department, nominated by the Major Professor. If the chair is from another institution, this individual should have the equivalent qualifications necessary to chair a dissertation in the subject area at the University of South Florida. Note that the Major Professor may not serve as the "Outside Chair."

**Procedures for Conducting the Oral Defense**

1. The oral defense should be conducted to allow for the student to make any necessary corrections following the defense and still meet the final copy deadline for turning in the dissertation to the Office of Graduate School.
2. All members of the Dissertation Committee must be present for the examination unless an absence is approved by the Graduate School Dean. **One-on-one examinations are prohibited.**

3. The presentation should be considered an important function in the department and all graduate students and faculty be encouraged to attend.
4. The presentation and defense are open to the public and as such, must meet the requirements of the Sunshine Laws for the State of Florida. The voting is not public.
5. The room selected for the examination should have adequate seating with an alternate room selected in case of problems.
6. The Outside Chair should open the proceedings by introducing the candidate and the Dissertation Committee.
7. The examination should begin with a presentation by the candidate designed to summarize the dissertation.
8. The remainder of the examination may take place in a different setting and will consist of questions about the research by the Outside Chair and the Dissertation Committee and by other interested persons. It is suggested that questioning should be limited to about 15 minutes for each person with subsequent rounds of questioning as necessary.
9. Questions from the faculty-at-large and/or the public may be allowed at the end of the committee's questioning.
10. The length of the examination period will generally not exceed three hours. Throughout this time the Outside Chair is to be in charge of all proceedings and, ideally, is expected to play a balancing role between advocacy and contention. The Outside Chair, at anytime during the course of the examination, may request all visitors to leave.
11. Following the completion of these proceedings, the Outside Chair will ask all visitors and the candidate to leave and will re-convene the Dissertation Committee only. The Outside Chair may share his/her impressions and opinions of the candidate and the dissertation. The Outside Chair will preside over the deliberations and

voting of the committee, but is not to participate in the voting. The voting is to be limited to “pass” and “fail” votes. The Outside Chair has the responsibility of tallying the votes and of informing the candidate of the final decision. ***The vote of the Dissertation Committee must be unanimous and recorded on the Successful Defense form.*** The College Graduate Dean will resolve substitutions and disagreements within the committee.

12. The Outside chair will convey the decision of the Dissertation Committee (Successful Defense form) to the Department/College Graduate office to be kept in the student’s file.

#### *Suggested Guide for Dissertation Defense Proceedings*

1. Introduction of Candidate and Committee Members.
2. Presentation by Candidate.
3. Questions by Committee Members.
4. Questions from other faculty and/or other observers.
5. Candidate and observers leave the examination room.
6. Deliberation and voting by the committee, only. Sign documentation (to be determined by College/Department) if defense is successful.
7. The candidate shall be informed of the vote.
8. The record of the successful defense (to be determined by the College or Department) is forwarded to the College/Department for the student’s file.

#### ***Dissertation Final Submission Guidelines***

Information on requirements for submission of the finished and approved manuscript copies is available online at the Thesis and Dissertation website <http://www.grad.usf.edu/newsite/thesis.asp>. Students who fail to submit the final copy of a dissertation by the posted submission deadline will not be considered for graduation. The student may be considered for graduation in the following semester and must therefore apply for the degree (graduation) by the posted deadline, enroll in a minimum of two (2) dissertation hours for that subsequent semester, submit their manuscript for processing again, and pay the manuscript

processing fee again. Only after the Graduate School has approved the manuscript can the student be certified for the degree.

#### ***Mandatory Electronic Submission***

Students are required to submit the dissertation in an electronic format (ETD). Requirements and procedures are available at the Graduate School website <http://www.grad.usf.edu/newsite/thesis.asp>

#### ***Changes after Publication***

Once a dissertation is approved and accepted by the Graduate School for publication, it cannot be changed.

#### ***Release of Dissertation Publications***

The University recognizes the benefits from collaboration with sponsors on research projects but also recognizes the possibility of conflicts of interest in the disclosure of the results of the collaborations. While the sponsor’s economic interests in the restriction of disclosure should be considered, the University has a primary mission to extend knowledge and disseminate it to the public and the broader academic community.

The University’s “Statement of Policy Regarding Inventions and Works” acknowledges the possible need for delays in publication of sponsored research to protect the sponsor’s interests, but it provides no definite guidelines for the restrictions of publication beyond the statement: “Disclosure delays mutually acceptable to the Inventor, the Vice President for Research, and the sponsor, if any, are authorized in order to allow patent applications to be filled prior to publication, thereby preserving patent rights...”<sup>8</sup>

To protect the University’s primary goal from undue compromise, the University has adopted the following guidelines:

1. The recommendations of sponsors, regarding publication of research results should be considered advisory rather than mandatory.
2. In support of academic discourse and the mission to promote and share academic works, Dissertations will be released for worldwide access once submitted to and approved by the USF Graduate School. In

<sup>8</sup> April Burke, “University Policies on Conflict of Interest and Delay of Publications,” Report of the Clearinghouse on University-Industry Relations, Association of American Universities, February, 1985.

the event that a patent or copyright application provides reason to delay the release of the Dissertation, a petition to request a one year delay may be submitted to the Graduate School for consideration. Such requests must be received by the format check of the dissertation.

3. Students should not be delayed in the final defense of their dissertations by agreements involving publication delays.

#### ***Duty to Disclose New Inventions and Works***

The complete policy regarding Duty to Disclose New Inventions and Works may be viewed at: [http://www.research.usf.edu/pl/0\\_300\\_INVENTIONS\\_WORKS.pdf](http://www.research.usf.edu/pl/0_300_INVENTIONS_WORKS.pdf)

For information about this policy contact the Division of Patents and Licensing at (813) 974-0994.

#### ***Dissertation Change of Grade***

In the semester in which the final manuscript has been received, reviewed, and certified for permanent filing in the University Library, the Graduate School submits the change of grade from “Z” to “S” for the last registration of dissertation courses to the office of the registrar when all grades are due at the end of the semester.

#### **The Use of “Ph.D.” in Credentials and Publication**

Students may only use the credential of “Ph.D.” after degree conferral is granted. It is inappropriate to use the credential until it is officially and formally granted.

The use of the abbreviation “Ph.D.” in university publications, correspondence, etc., including websites and other electronic media, shall be upper case “P”, lower case “h” followed by a period, an upper case “D” and another period. It shall not be used in the format of all upper case letters without periods, as in “PHD”

## Section 9

### Graduation Information

#### Application for Degree (Graduation)

To graduate, a student must submit the Application for Degree to the Office of the Registrar. This application must be submitted in the term of expected graduation by the deadline noted in the academic calendar. If a student applies for graduation and is not approved, a new Application for Degree must be submitted by the deadline in a new term. In order for the degree statement to appear on a student's academic record, the student must file the aforementioned application whether or not participation in the commencement ceremony is desired.

The application for a graduate degree is available from the Office of the Registrar (<http://www.registrar.usf.edu/search.php>) or the student's college advising office. The application must first be certified (signed or stamped in the section, "Office Use Only") by the student's college. The college retains one copy, and the student must submit the remaining copies to the Office of the Registrar prior to the graduation application deadline. Inquiries concerning approval or denial of graduation should be made to the appropriate college.

It is the student's responsibility to clear all "I" (Incomplete) and "M" (Missing) grades in all courses and to provide official transcripts of all transferred course work needed for graduation at least three weeks prior to the end of the term in which he/she expects to graduate.

#### Graduation Requirements

It is the student's responsibility to make sure that he/she has met all degree requirements as specified in the Degree Requirements section of this publication, as well as any College and Program requirements for the degree.

#### Commencement

Graduate students **may not** participate in commencement exercises **until all requirements** for the degree sought have been fulfilled. Students graduating from programs based from the Tampa campus (despite location, i.e. may be located in St. Petersburg, Sarasota, Lakeland, etc., such as students in Marine Science) participate in commencement exercises on the Tampa campus. All doctoral graduates receive degree conferral from the Tampa campus and therefore participate in commencement exercises in Tampa.

#### Diplomas

Diplomas are mailed to the student's permanent address approximately six (6) weeks after commencement. Students with a change of address need to fill out a change of address form at the Registrar's office. Questions regarding diplomas and degree certification should be directed to the Registrar's office at 974-2000.

#### Letters of Certification

Students in need of verification of the degree prior to receiving their diploma may request a Letter of Certification. This letter specifies that the student has finished all of the requirements for the degree and the date the degree will be conferred on. The letter must include the student's social security number, name of degree program and official name of the degree. The Major Professor, the College Dean (or designee), the Coordinator (or designee) in the Graduate School, and the Registrar must sign the Letter of Certification. A template for the Certification Letter is available on the Graduate School website at

[http://www.grad.usf.edu/newsite/forms/grad\\_forms.asp](http://www.grad.usf.edu/newsite/forms/grad_forms.asp).

## Posthumous Degrees or Degrees in Memoriam

The University may award a posthumous master's or doctoral (and medical) degree to a student who was in good standing at the University at the time of his or her death and who had completed all substantive requirements for the degree. The University may also award masters, doctoral and medical degrees in memoriam to a student who was in good standing at the University at the time of his or her death.

To award a non-thesis degree, the student would need to have completed all courses required for the degree. Courses required for the degree, in which the student is enrolled at the time of his or her death, must have been completed to the satisfaction of the faculty so that passing grades might be posted. All other requirements (e.g., grade point average, tests, etc.) must have been satisfied as well.

To award a thesis degree, all courses must be completed as described above and the thesis must be sufficiently complete to the satisfaction of the faculty so that certification of completion may be posted to the student's record.

### Procedures for Award of Posthumous Degrees or Degrees in Memoriam

The Chairperson of a Department, on his or her own initiative or upon the request of the family of the student, may recommend a posthumous degree, or a degree in memoriam, by forwarding the recommendation to the respective dean of the college. If approved by the Dean, the recommendation with supporting documentation will be forwarded to the Provost for approval. If the Provost approves the recommendation, the Office of the Registrar will be notified and the degree will be awarded at the next commencement ceremony or will be presented to the student's family in an appropriate setting.

Diplomas for posthumous degrees will be identical to other degrees awarded in the same colleges and majors. Diplomas for Degrees in Memoriam will be prepared to read "Master of Arts in Memoriam, Master of Science in Memoriam," "Doctor of Philosophy in Memoriam," etc., depending upon the degree the student was pursuing at the time of his or her death.

## Transcripts

Transcripts of a student's USF academic record may be requested by the student through the Office of the Registrar. A student's academic record can only be released upon authorization of the student. Students requesting transcripts may do so in person or by writing to the Office of the Registrar. By law, the request must include the student's signature and date. For transcripts to be issued, the student must have no financial obligations to the University. Procedures for requesting a transcript are available on the Office of the Registrar's website at <http://www.registrar.usf.edu/>. Degree statements are posted approximately five weeks after the graduation ceremony. Current term grades are posted approximately one week after the final exams end. If grades for the current term are needed, clearly indicate that the transcript request is to be held for grades.

## Section 10 Degrees and Concentrations

The following pages list the Degree Program and Concentrations, the Accelerated Programs, and the formalized Dual Degree Programs that the University is authorized to offer, including:

136	Master’s programs
3	Education Specialist programs
38	Doctoral programs (including the Ed.D., Au.D., M.D. and D.P.T.)
17	Accelerated programs (see table below)
8	Formalized Dual Degree programs (see table below)
233	Concentrations at the master’s level
15	Concentrations at the specialist level
104	Concentrations at the doctoral level

**How to read the Degree Programs and Concentrations table:**

Programs (a.k.a. majors) and concentrations (a.k.a. specializations) are listed alphabetically by name in the table below. Some programs are offered as the area of study presented. Other programs are offered through a variety of concentrations within the program. The degree is awarded in the program, e.g. M.S. in Nursing. However, program and concentration designations are both noted on the transcript. USF offers over 350 Concentrations within the 170+ Programs that are authorized. Concentrations are noted below with the name of the program they are offered under listed in parentheses.

For example:

Adult Education	M.Ed.	Education
(Curriculum and Instruction)		

Would translate to: M.Ed. in Curriculum and Instruction with a Concentration in Adult Education

M.Ed.	= the name of the degree - “Master of Education”
Curriculum and Instruction	= the name of the program of study the degree is awarded in.
Adult Education	= the name of the concentration within the program.

To learn more about the program or concentration, refer to the corresponding college section of the catalog. Depending on the college, the information may be listed under the concentration name (as is the case for the College of Education) or the program name (as is the case for the College of Arts and Sciences).

Questions about degrees and concentrations may be directed to the Graduate School.

## Degree Programs and Concentrations

The following programs were “Active” at the time of publication, unless noted as “Inactive” in the column below. If a program or concentration is currently inactive, consider contacting the department for information on similar programs. To view the current active/inactive status of a program/concentration, go to:

<http://admissions.grad.usf.edu/programs.asp>

<b>Name of Program - OR - Name of Concentration (With Name of Program in parentheses)</b>	<b>Degree</b>	<b>Status</b>	<b>College Refer to the College Section for information</b>
Academic Role (Nursing)	M.S.		Nursing
Accelerated Health Education (Public Health)	M.P.H.		Public Health
Accountancy	M.Acc.		Business
Acute Care Nursing (Nursing)	M.S.		Nursing
Addictions and Substance Abuse Counseling (Rehabilitation and Mental Health Counseling)	M.A.		Arts and Sciences
Administration of Special Education (Education Program Development)	Ed.D.	Inactive	Education
Adult Education	M.A.		Education
Adult Education (Curriculum and Instruction)	M.Ed.	Inactive	Education
Adult Education (Curriculum and Instruction)	Ed.S.		Education
Adult Education (Curriculum and Instruction)	Ph.D.		Education
Adult Education (Educational Program Development)	Ed.D.		Education
Adult Health Nursing (Nursing)	M.S.		Nursing
Africana Studies (Liberal Arts)	M.L.A.		Arts and Sciences
Aging Studies	Ph.D.		Arts and Sciences
American History (History)	M.A.		Arts and Sciences
American Studies	M.A.		Arts and Sciences
Analytical Chemistry (Chemistry)	M.S.		Arts and Sciences
Analytical Chemistry (Chemistry)	Ph.D.		Arts and Sciences
Anatomy (Medical Sciences)	Ph.D.		Medicine
Ancient History (History)	M.A.		Arts and Sciences
Anthropology	M.A.	Inactive	Arts and Sciences
Applied Anthropology	M.A.		Arts and Sciences
Applied Anthropology	Ph.D.		Arts and Sciences
Applied Behavior Analysis	M.A.		Interdisciplinary Graduate School
Aqueous Geochemistry (Geology)	M.S.		Arts and Sciences
Aqueous Geochemistry (Geology)	Ph.D.		Arts and Sciences



Architecture	M.Arc.		School of Architecture and Community Design
Art	M.F.A.		Visual and Performing Arts
	M.A.		Visual and Performing Arts
Art History			
Atmospheric Physics (Physics)	M.S.		Arts and Sciences
Atomic and Molecular Physics (Physics)	M.S.		Arts and Sciences
Audiology (Post Baccalaureate)	M.S.	Inactive	Arts and Sciences
Audiology	Au.D.		Arts and Sciences
Aural (Re)Habilitation (Post Baccalaureate)	M.S.		Arts and Sciences
Behavioral Health (Public Health)	M.P.H.		Public Health
Behavioral Health (Public Health)	M.S.P.H.		Public Health
Behavioral Health (Public Health)	Ph.D.		Public Health
Biochemistry & Molecular Biology (Medical Sciences)	Ph.D.		Medicine
Biochemistry (Chemistry)	M.S.		Arts and Sciences
Biochemistry (Chemistry)	Ph.D.		Arts and Sciences
Bioethics and Medical Humanities	M.A.B.M.H.		Medicine
Biogeochemistry (Geology)	M.S.		Arts and Sciences
Biogeochemistry (Geology)	Ph.D.		Arts and Sciences
Bioinformatics (Public Health)	M.S.P.H.		Public Health
	M.S.B.C.B.		Medicine
Bioinformatics and Computational Biology			
Biological Oceanography (Marine Science)	M.S.		Marine Science
Biological Oceanography (Marine Science)	Ph.D.		Marine Science
Biology	M.S.		Arts and Sciences
Biology	Ph.D.		Arts and Sciences
Biology (College Teaching)	M.A.	Inactive	Education
Biology (Science Education)	M.A.		Education
Biomedical and Biotechnology (Chemical Engineering)	M.C.H.E.		Engineering
Biomedical and Biotechnology (Chemical Engineering)	M.E.		Engineering
Biomedical and Biotechnology (Chemical Engineering)	M.S.C.H.		Engineering
Biomedical and Biotechnology (Chemical Engineering)	M.S.E.S.		Engineering
Biomedical and Biotechnology (Chemical Engineering)	Ph.D.		Engineering
Biomedical Engineering	M.S.B.E.		Engineering
Biomedical Engineering	M.S.E.S.		Engineering
Biomedical Engineering	Ph.D.		Engineering
Biostatistics (Public Health)	M.P.H.		Public Health

Biostatistics (Public Health)	M.S.P.H.		Public Health
Biostatistics (Public Health)	Ph.D.		Public Health
Business (College Teaching)	M.A.	Inactive	Education
Business Administration (Includes Saturday MBA, programs at Sarasota and St. Pete)	M.B.A.	Saturday MBA is Inactive	Business
Business Administration	Ph.D.		Business
Business and Office Education	M.A.	Inactive	Education
Business and Office Education (Curriculum and Instruction)	M.Ed.	Inactive	Education
Business Economics	M.A.		Business
	Ph.D.		Interdisciplinary Graduate School
Cancer Biology			
Career and Technical Education	M.A.		Education
Career and Workforce Education (Curriculum and Instruction)	Ph.D.		Education
Cell and Molecular Biology (Biology)	M.S.		Arts and Sciences
Cell and Molecular Biology (Biology)	Ph.D.		Arts and Sciences
	M.M.		Visual and Performing Arts
Chamber Music (Music)			
Chemical Engineering	M.Ch.E.		Engineering
Chemical Engineering	M.E.		Engineering
Chemical Engineering	M.S.Ch.E.		Engineering
Chemical Engineering	M.S.E.S.		Engineering
Chemical Engineering	Ph.D.		Engineering
Chemical Oceanography (Marine Science)	M.S.		Marine Science
Chemical Oceanography (Marine Science)	Ph.D.		Marine Science
Chemistry	M.S.		Arts and Sciences
Chemistry	Ph.D.		Arts and Sciences
Chemistry (College Teaching)	M.A.	Inactive	Education
Chemistry (non-thesis option)	M.A.		Arts and Sciences
Chemistry (Science Education)	M.A.		Education
Child Health Nursing (Nursing)	M.S.		Nursing
Circuits, Controls and Systems (Electrical Engineering)	M.E.		Engineering
Circuits, Controls and Systems (Electrical Engineering)	M.E.E.		Engineering
Circuits, Controls and Systems (Electrical Engineering)	M.S.E.E.		Engineering
Circuits, Controls and Systems (Electrical Engineering)	M.S.E.S.		Engineering
Circuits, Controls and Systems (Electrical Engineering)	Ph.D.		Engineering
Civil Engineering	M.C.E.		Engineering
Civil Engineering	M.E.		Engineering

Civil Engineering	M.S.C.E.		Engineering
Civil Engineering	M.S.E.S.		Engineering
Civil Engineering	Ph.D.		Engineering
Classics: Latin/Greek (Cooperative masters w/UF)	M.A.		Arts and Sciences
Clinical Nurse Leader (Nursing)	M.S.		Nursing
Clinical Psychology (Psychology)	M.A.		Arts and Sciences
Clinical Psychology (Psychology)	Ph.D.		Arts and Sciences
Coastal Geology (Geology)	M.S.		Arts and Sciences
Coastal Geology (Geology)	Ph.D.		Arts and Sciences
Coastal Marine Ecology (Biology)	M.S.		Arts and Sciences
Coastal Marine Ecology (Biology)	Ph.D.		Arts and Sciences
Cognitive and Neural Sciences (Psychology)	M.A.		Arts and Sciences
Cognitive and Neural Sciences (Psychology)	Ph.D.		Arts and Sciences
College Leadership (Educational Leadership)	Ed.D.		Education
College Student Affairs (Curriculum and Instruction)	M.Ed.		Education
College Teaching	M.A.	Inactive	Education
Communication	M.A.		Arts and Sciences
Communication	Ph.D.		Arts and Sciences
Communication Sciences and Disorders	Ph.D.		Arts and Sciences
Communications and Signal Processing (Electrical Engineering)	M.E.		Engineering
Communications and Signal Processing (Electrical Engineering)	M.E.E.		Engineering
Communications and Signal Processing (Electrical Engineering)	M.S.E.E.		Engineering
Communications and Signal Processing (Electrical Engineering)	M.S.E.S.		Engineering
Communications and Signal Processing (Electrical Engineering)	Ph.D.		Engineering
Community and Family Health (Public Health)	Ph.D.		Public Health
Composition (Music)	M.M.		Visual and Performing Arts
Computational Chemistry (Chemistry)	M.S.		Arts and Sciences
Computational Chemistry (Chemistry)	Ph.D.		Arts and Sciences
Computer Engineering	M.C.P.	Inactive	Engineering
Computer Engineering	M.E.		Engineering
Computer Engineering	M.S.C.P.		Engineering
Computer Engineering	M.S.E.S.		Engineering
Computer Science	M.C.S.	Inactive	Engineering
Computer Science	M.E.		Engineering
Computer Science	M.S.C.S.		Engineering

Computer Science	M.S.E.S.		Engineering
Computer Science and Engineering	Ph.D.		Engineering
	M.M.		Visual and Performing Arts
Conducting (Music)			
Conservation Biology (Biology)	M.S.		Arts and Sciences
Conservation Biology (Biology)	Ph.D.		Arts and Sciences
Counselor Education – see <i>Guidance and Counselor Education</i>	M.A.		Education
Counselor Education (Curriculum and Instruction)	Ed.S.		Education
Counselor Education (Curriculum and Instruction)	Ph.D.		Education
Creative Writing (English)	M.A.		Arts and Sciences
Criminology	M.A.		Arts and Sciences
Criminology	Ph.D.		Arts and Sciences
Critical Care Nursing (Nursing)	M.S.		Nursing
Curriculum and Instruction	Ed.S.		Education
Curriculum and Instruction	M.Ed.		Education
Curriculum and Instruction	Ph.D.		Education
Digital Architecture and Design (Electrical Engineering)	M.E.		Engineering
Digital Architecture and Design (Electrical Engineering)	M.E.E.		Engineering
Digital Architecture and Design (Electrical Engineering)	M.S.E.E.		Engineering
Digital Architecture and Design (Electrical Engineering)	M.S.E.S.		Engineering
Digital Architecture and Design (Electrical Engineering)	Ph.D.		Engineering
Distributive and Marketing Education	M.A.	Inactive	Education
Distributive Education (Curriculum and Instruction)	M.Ed.	Inactive	Education
	M.F.A.		Visual and Performing Arts
Dramatic Writing		Inactive	
Early Childhood (Elementary Education)	M.A.	Inactive	Education
Early Childhood Education	M.A.		Education
Early Childhood Education (Curriculum and Instruction)	Ed.S.	Inactive	Education
Early Childhood Education (Curriculum and Instruction)	M.Ed.		Education
Early Childhood Education (Curriculum and Instruction)	Ph.D.		Education
Economic, Social and Planning Issues in the Urban Environment (Geography)	M.A.		Arts and Sciences
Economics (College Teaching)	M.A.	Inactive	Education
Educational Leadership	Ed.D.		Education
Educational Leadership	Ed.S.		Education
Educational Leadership	M.Ed.		Education
Educational Program Development	Ed.D.		Education

Electric Power Systems (Electrical Engineering)	M.E.		Engineering
Electric Power Systems (Electrical Engineering)	M.E.E.		Engineering
Electric Power Systems (Electrical Engineering)	M.S.E.E.		Engineering
Electric Power Systems (Electrical Engineering)	M.S.E.S.		Engineering
Electric Power Systems (Electrical Engineering)	Ph.D.		Engineering
Electrical Engineering	M.E.		Engineering
Electrical Engineering	M.E.E.	Inactive	Engineering
Electrical Engineering	M.S.E.E.		Engineering
Electrical Engineering	M.S.E.S.		Engineering
Electrical Engineering	Ph.D.		Engineering
Elementary Curriculum (Elementary Education)	M.A.		Education
Elementary Education	M.A.	Inactive	Education
Elementary Education	M.A.T.		Education
Elementary Education (Curriculum and Instruction)	Ed.S.		Education
Elementary Education (Curriculum and Instruction)	M.Ed.	Inactive	Education
Elementary Education (Curriculum and Instruction)	Ph.D.	Inactive	Education
Elementary Education (Educational Program Development)	Ed.D.	Inactive	Education
Engineering (Eng Degree required) (College Teaching)	M.A.	Inactive	Education
Engineering (Post Baccalaureate)	M.S.E.		Engineering
Engineering Management	M.S.E.M.		Engineering
Engineering Management	M.S.E.S.		Engineering
Engineering Management (Industrial Engineering)	M.E.		Engineering
Engineering Management (Industrial Engineering)	M.I.E.		Engineering
Engineering Management (Industrial Engineering)	M.S.E.S.		Engineering
Engineering Management (Industrial Engineering)	M.S.I.E.		Engineering
Engineering Management (Industrial Engineering)	Ph.D.		Engineering
Engineering Science	Ph.D.		Engineering
Engineering Science (5 year program)	M.S.E.S.	Inactive	Engineering
English	M.A.		Arts and Sciences
English	Ph.D.		Arts and Sciences
English (College Teaching)	M.A.	Inactive	Education
English Education	M.A.T.		Education
English Education (Curriculum and Instruction)	M.Ed.		Education
English Education (Curriculum and Instruction)	Ph.D.		Education
	M.S.		Interdisciplinary Graduate School
Entrepreneurship in Applied Technologies			

Environmental and Occupational Health (Public Health)	Ph.D.		Public Health
Environmental Chemistry (Chemistry)	M.S.		Arts and Sciences
Environmental Chemistry (Chemistry)	Ph.D.		Arts and Sciences
Environmental Engineering	M.E.		Engineering
Environmental Engineering	M.E.V.E.		Engineering
Environmental Engineering	M.S.E.S.		Engineering
Environmental Engineering	M.S.E.V.		Engineering
Environmental Geophysics (Geology)	M.S.		Arts and Sciences
Environmental Geophysics (Geology)	Ph.D.		Arts and Sciences
Environmental Health (Public Health)	M.P.H.		Public Health
Environmental Health (Public Health)	M.S.P.H.		Public Health
Environmental Science and Policy	M.S.		Arts and Sciences
Epidemiology (Public Health)	M.P.H.		Public Health
Epidemiology (Public Health)	M.S.P.H.		Public Health
Epidemiology (Public Health)	Ph.D.		Public Health
Epidemiology and Biostatistics (Public Health)	M.P.H.		Public Health
Epidemiology and Biostatistics (Public Health)	Ph.D.		Public Health
European History (History)	M.A.		Arts and Sciences
Executive M.B.A.	M.B.A.		Business
Executive M.B.A. for Physicians	M.B.A.	Inactive	Business
Executive Program for Health Professionals (Public Health)	M.P.H.		Public Health
Executive Program for MBA Physicians (Public Health)	M.P.H.	Inactive	Public Health
Exercise Science (Physical Education)	M.A.		Education
Family Health Nursing (Nursing)	M.S.		Nursing
Florida Studies (Liberal Arts)	M.L.A.		Arts and Sciences
Foreign Language Education	M.A.T.		Education
Foreign Language Education (Curriculum and Instruction)	M.Ed.		Education
French	M.A.		Arts and Sciences
French (College Teaching)	M.A.	Inactive	Education
French (Foreign Language Education)	M.A.	Inactive	Education
Geographic Information Systems and Spatial Analysis (Geography)	M.A.		Arts and Sciences
Geography	M.A.		Arts and Sciences
Geography (College Teaching)	M.A.	Inactive	Education
Geography and Environmental Science and Policy	Ph.D.		Arts and Sciences
Geological Oceanography (Marine Science)	M.S.		Marine Science

Geological Oceanography (Marine Science)	Ph.D.		Marine Science
Geology	M.S.		Arts and Sciences
Geology	Ph.D.		Arts and Sciences
Geology (College Teaching)	M.A.		Education
Geomorphology (Geology)	M.S.		Arts and Sciences
Geomorphology (Geology)	Ph.D.		Arts and Sciences
Geotechnical (Civil Engineering)	M.C.E.		Engineering
Geotechnical (Civil Engineering)	M.E.		Engineering
Geotechnical (Civil Engineering)	M.S.C.E.		Engineering
Geotechnical (Civil Engineering)	M.S.E.S.		Engineering
Geotechnical (Civil Engineering)	Ph.D.		Engineering
German (Foreign Language Education)	M.A.	Inactive	Education
Gerontological Nursing (Nursing)	M.S.		Nursing
Gerontology	M.A.		Arts and Sciences
Global Communicable Disease (Public Health)	M.S.P.H.		Public Health
Global Communicable Disease (Public Health)	M.P.H.		Public Health
Global Communicable Disease (Public Health)	Ph.D.		Public Health
Global Health (Public Health)	M.P.H.		Public Health
Global Health Informatics (Public Health)	M.P.H.		Public Health
Guidance and Counselor Education	M.A.		Education
Health Administration	M.H.A.		Public Health
Health Care Organizations and Management (Public Health)	M.P.H.	Inactive	Public Health
Health Care Organizations and Management (Public Health)	M.S.P.H.	Inactive	Public Health
Health Care Organizations and Management (Public Health)	Ph.D.	Inactive	Public Health
Health Policies and Programs (Public Health)	M.P.H.	Inactive	Public Health
Health Policies and Programs (Public Health)	M.S.P.H.	Inactive	Public Health
Health Policies and Programs (Public Health)	Ph.D.	Inactive	Public Health
Health Policy and Management (Public Health)	Ph.D.		Public Health
Health Systems Informatics (Nursing)	M.S.		Nursing
Hearing Sciences and Audiology (Communication Sciences and Disorders)	Ph.D.		Arts and Sciences
Higher Education Administration (Curriculum and Instruction)	Ed.S.	Inactive	Education
Higher Education Administration (Curriculum and Instruction)	Ph.D.		Education
Higher Education, Community College Teaching (Curriculum and Instruction)	Ed.S.	Inactive	Education
Higher Education, Community College Teaching (Curriculum and Instruction)	Ph.D.		Education
History	M.A.		Arts and Sciences

History (College Teaching)	M.A.	Inactive	Education
Human Resource Development (Adult Education)	M.A.		Education
Humanities (Liberal Arts)	M.L.A.		Arts and Sciences
Hydrogeology (Geology)	M.S.		Arts and Sciences
Hydrogeology (Geology)	Ph.D.		Arts and Sciences
Industrial Arts-Technology Education (Curriculum and Instruction)	M.Ed.	Inactive	Education
Industrial Engineering	M.E.		Engineering
Industrial Engineering	M.I.E.		Engineering
Industrial Engineering	M.S.E.S.		Engineering
Industrial Engineering	M.S.I.E.		Engineering
Industrial Engineering	Ph.D.		Engineering
Industrial Hygiene (Public Health)	M.S.P.H.		Public Health
Industrial Hygiene (Public Health)	Ph.D.		Public Health
Industrial Organizational Psychology (Psychology)	M.A.		Arts and Sciences
Industrial-Organizational Psychology (Psychology)	Ph.D.		Arts and Sciences
Inorganic Chemistry (Chemistry)	M.S.		Arts and Sciences
Inorganic Chemistry (Chemistry)	Ph.D.		Arts and Sciences
Instructional Technology (Curriculum and Instruction)	Ed.S.		Education
Instructional Technology (Curriculum and Instruction)	M.Ed.		Education
Instructional Technology (Curriculum and Instruction)	Ph.D.		Education
Interdisciplinary (Marine Science)	M.S.		Marine Science
Interdisciplinary (Marine Science)	Ph.D.		Marine Science
Interdisciplinary Education (Curriculum and Instruction)	Ed.S.		Education
Interdisciplinary Education (Curriculum and Instruction)	M.Ed.	Inactive	Education
Interdisciplinary Education (Curriculum and Instruction)	Ph.D.		Education
Interdisciplinary Education, Second Language Acquisition (Curriculum and Instruction)	Ph.D.	Inactive	Education
Interdisciplinary Transportation (Civil Engineering)	M.C.E.		Engineering
Interdisciplinary Transportation (Civil Engineering)	M.E.		Engineering
Interdisciplinary Transportation (Civil Engineering)	M.S.C.E.		Engineering
Interdisciplinary Transportation (Civil Engineering)	M.S.E.S.		Engineering
Interdisciplinary Transportation (Civil Engineering)	Ph.D.		Engineering
International Health Management (Public Health)	M.P.H.	Inactive	Public Health
International Health Management (Public Health)	M.S.P.H.	Inactive	Public Health
International Health Management (Public Health)	Ph.D.	Inactive	Public Health
Jazz Composition (Music)	M.M.		Visual and Performing Arts



Jazz Performance (music)	M.M.		Visual and Performing Arts Arts and Sciences
Journalism Studies (Mass Communications)	M.A.		Arts and Sciences
Language Arts (Elementary Education)	M.A.	Inactive	Education
Laser Physics (Physics)	M.S.		Arts and Sciences
Latin American History (History)	M.A.		Arts and Sciences
Latin American, Caribbean and Latino Studies	M.A.		Arts and Sciences
Leadership and Organizational Effectiveness (Management)	M.S.		Business
Liberal Arts	M.L.A.		Arts and Sciences
Liberal Studies (Liberal Arts)	M.L.A.		Arts and Sciences
Library and Information Science	M.A.		Arts and Sciences
Linguistics	M.A.		Arts and Sciences
Linguistics: English as a Second Language	M.A.		Arts and Sciences
Literature (English)	M.A.		Arts and Sciences
Literature (English)	Ph.D.		Arts and Sciences
Management	M.S.		Business
Management Information Systems	M.S.		Business
Manufacturing (Chemical Engineering)	Ph.D.		Engineering
Manufacturing (Mechanical Engineering)	Ph.D.		Engineering
Manufacturing Systems (Industrial Engineering)	Ph.D.		Engineering
Marine Science	M.S.		Marine Science
Marine Science	Ph.D.		Marine Science
Marriage and Family Therapy (Rehabilitation and Mental Health Counseling)	M.A.		Arts and Sciences
Mass Communication Studies (Mass Communications)	M.A.		Arts and Sciences
Mass Communications	M.A.		Arts and Sciences
Materials (Civil Engineering)	M.C.E.		Engineering
Materials (Civil Engineering)	M.E.		Engineering
Materials (Civil Engineering)	M.S.C.E.		Engineering
Materials (Civil Engineering)	M.S.E.S.		Engineering
Materials (Civil Engineering)	Ph.D.		Engineering
Materials Physics (Physics)	M.S.		Arts and Sciences
Maternal and Child Health (Public Health)	M.P.H.		Public Health
Maternal and Child Health (Public Health)	M.S.P.H.		Public Health
Maternal and Child Health (Public Health)	Ph.D.		Public Health
Mathematics	M.A.		Arts and Sciences
Mathematics	Ph.D.		Arts and Sciences

Mathematics (College Teaching)	M.A.	Inactive	Education
Mathematics Education (Curriculum and Instruction)	Ed.S.		Education
Mathematics Education (Curriculum and Instruction)	M.Ed.		Education
Mathematics Education (Curriculum and Instruction)	Ph.D.		Education
Measurement and Evaluation (Curriculum and Instruction)	Ed.S.		Education
Measurement and Evaluation (Curriculum and Instruction)	M.Ed.		Education
Measurement and Evaluation (Curriculum and Instruction)	Ph.D.		Education
Mechanical Engineering	M.E.		Engineering
Mechanical Engineering	M.M.E.		Engineering
Mechanical Engineering	M.S.E.S.		Engineering
Mechanical Engineering	M.S.M.E.		Engineering
Mechanical Engineering	Ph.D.		Engineering
Medical Physics (Physics)	M.S.		Arts and Sciences
Medical Sciences	M.S.M.S.		Medicine
Medical Sciences	Ph.D.		Medicine
Medicine	M.D.		Medicine
Medieval History (History)	M.A.		Arts and Sciences
Microbiology	M.S.		Arts and Sciences
Microbiology and Immunology (Medical Sciences)	Ph.D.		Medicine
Microelectronics (Electrical Engineering)	M.E.		Engineering
Microelectronics (Electrical Engineering)	M.E.E.		Engineering
Microelectronics (Electrical Engineering)	M.S.E.E.		Engineering
Microelectronics (Electrical Engineering)	M.S.E.S.		Engineering
Microelectronics (Electrical Engineering)	Ph.D.		Engineering
Middle Grades Mathematics	M.A.T.		Education
Middle School Education, English (Curriculum and Instruction)	M.Ed.	Inactive	Education
Middle School Education, General (Curriculum and Instruction)	M.Ed.	Inactive	Education
Middle School Education, Mathematics (Curriculum and Instruction)	M.Ed.	Inactive	Education
Middle School Education, Science (Curriculum and Instruction)	M.Ed.	Inactive	Education
Middle School Education, Social Studies (Curriculum and Instruction)	M.Ed.	Inactive	Education
Music	M.M.		Visual and Performing Arts
Music	Ph.D.		Visual and Performing Arts
Music Education	M.A.		Visual and Performing Arts
Music Education (Curriculum and Instruction)	Ed.S.	Inactive	Education

Music Education (Curriculum and Instruction)	Ph.D.		Education
Music Education (Music)	Ph.D.		Visual and Performing Arts
Natural/Technological Hazards and Environmental Justice (Geography)	M.A.		Arts and Sciences
Neurocommunicative Sciences (Communication Sciences and Disorders)	Ph.D.		Arts and Sciences
Neuroscience (Medical Sciences)	Ph.D.		Medicine
Nursing	M.S.		Nursing
Nursing Education (Nursing)	M.S.		Nursing
Nursing Science	Ph.D.		Nursing
Occupational Health (Public Health)	M.P.H.		Public Health
Occupational Health (Public Health)	M.S.P.H.		Public Health
Occupational Health for Health Professionals (Public Health)	Ph.D.	Inactive	Public Health
Occupational Health Nursing (Nursing)	M.S.		Nursing
Occupational Medicine Residency (Public Health)	M.P.H.	Inactive	Public Health
Occupational Medicine Residency (Public Health)	M.S.P.H.		Public Health
Oncology Nursing (Nursing)	M.S.		Nursing
Optical Physics (Physics)	M.S.		Arts and Sciences
Organic Chemistry (Chemistry)	M.S.		Arts and Sciences
Organic Chemistry (Chemistry)	Ph.D.		Arts and Sciences
Paleoclimatology (Geology)	M.S.		Arts and Sciences
Paleoclimatology (Geology)	Ph.D.		Arts and Sciences
Paleontology (Geology)	M.S.		Arts and Sciences
Paleontology (Geology)	Ph.D.		Arts and Sciences
Pathology and Laboratory Medicine (Medical Sciences)	Ph.D.		Medicine
Performance (Music)	M.M.		Visual and Performing Arts
Petrology (Geology)	M.S.		Arts and Sciences
Petrology (Geology)	Ph.D.		Arts and Sciences
Pharmacology and Therapeutics (Medical Sciences)	Ph.D.		Medicine
Philosophy	M.A.		Arts and Sciences
Philosophy	Ph.D.		Arts and Sciences
Physical Chemistry (Chemistry)	M.S.		Arts and Sciences
Physical Chemistry (Chemistry)	Ph.D.		Arts and Sciences
Physical Education	M.A.		Education
Physical Oceanography (Marine Science)	M.S.		Marine Science
Physical Oceanography (Marine Science)	Ph.D.		Marine Science

Physical Therapy	D.P.T.		Medicine
Physical Therapy	M.S.P.T.	Inactive	Medicine
Physics	M.S.		Arts and Sciences
Physics (College Teaching)	M.A.	Inactive	Education
Physics (Engineering Science)	Ph.D.		Engineering
Physics (Science Education)	M.A.		Education
Physics, Applied	Ph.D.		Arts and Sciences
Physiology and Biophysics (Medical Sciences)	Ph.D.		Medicine
Piano Pedagogy (Music)	M.M.		Visual and Performing Arts Arts and Sciences
Political Science	M.A.		Arts and Sciences
Political Science (College Teaching)	M.A.	Inactive	Education
Polymer Chemistry (Chemistry)	M.S.		Arts and Sciences
Polymer Chemistry (Chemistry)	Ph.D.		Arts and Sciences
Psychiatric-Mental Health Nursing (Nursing)	M.S.		Nursing
Psychology	M.A.		Arts and Sciences
Psychology	Ph.D.		Arts and Sciences
Public Administration	M.P.A.		Arts and Sciences
Public Health	M.P.H.		Public Health
Public Health	M.S.P.H.		Public Health
Public Health	Ph.D.		Public Health
Public Health Education (Public Health)	M.P.H.		Public Health
Public Health Education (Public Health)	M.S.P.H.		Public Health
Public Health Education (Public Health)	Ph.D.		Public Health
Public Health Practice – Distance Learning for Health Professionals (Public Health)	M.P.H.		Public Health
Public Health Practice (Public Health)	M.P.H.		Public Health
Public Relations Studies (Mass Communications)	M.A.		Arts and Sciences
Pure and Applied (Mathematics)	M.A.		Arts and Sciences
Pure and Applied (Mathematics)	Ph.D.		Arts and Sciences
Quantitative Analysis (Industrial Engineering)	M.E.		Engineering
Quantitative Analysis (Industrial Engineering)	M.I.E.		Engineering
Quantitative Analysis (Industrial Engineering)	M.S.E.S.		Engineering
Quantitative Analysis (Industrial Engineering)	M.S.I.E.		Engineering
Quantitative Analysis (Industrial Engineering)	Ph.D.		Engineering
Reading and Language Arts Education (Curriculum and Instruction)	Ph.D.		Education
Reading Education	M.A.		Education

Reading Education (Curriculum and Instruction)	M.Ed.	Inactive	Education
Reading-Language Arts Education (Curriculum and Instruction)	Ed.S.		Education
Rehabilitation and Mental Health Counseling (Post Baccalaureate)	M.A.		Arts and Sciences
Religious Studies	M.A.		Arts and Sciences
Rhetoric & Composition (English)	M.A.		Arts and Sciences
Rhetoric and Composition (English)	Ph.D.		Arts and Sciences
Safety Management (Public Health)	M.P.H.		Public Health
School Psychology	M.A.		Education
School Psychology	Ph.D.		Education
School Psychology (Curriculum and Instruction)	Ed.S.		Education
Science and Mathematics (Elementary Education)	M.A.		Education
Science Education	M.A.		Education
Science Education	M.A.T.	Check with the program	Education
Science Education (Curriculum and Instruction)	Ed.S.	Inactive	Education
Science Education (Curriculum and Instruction)	Ph.D.		Education
Science Education, Biology (Curriculum and Instruction)	M.Ed.		Education
Science Education, Chemistry (Curriculum and Instruction)	M.Ed.		Education
Science Education, Physics (Curriculum and Instruction)	M.Ed.		Education
Second Language Acquisitions and Instructional Technology	Ph.D.		Interdisciplinary – CAS/COED
Secondary Education (Curriculum and Instruction)	Ph.D.		Education
Secondary Mathematics	M.A.T.		Education
Semiconductor Physics (Physics)	M.S.		Arts and Sciences
Social and Political Thought (Liberal Arts)	M.L.A.		Arts and Sciences
Social Science Education	M.A.T.		Education
Social Science Education (Curriculum and Instruction)	M.Ed.		Education
Social Work	M.S.W.		Arts and Sciences
Social Work	Ph.D.		Arts and Sciences
Socio- Health Sciences	M.S.P.H.		Public Health
Socio- Health Sciences	Ph.D.		Public Health
Socio- Health Sciences (Public Health)	M.P.H.		Public Health
Sociology	M.A.		Arts and Sciences
Sociology (College Teaching)	M.A.	Inactive	Education
Solid State Physics (Physics)	M.S.		Arts and Sciences
Spanish	M.A.		Arts and Sciences

Spanish (College Teaching)	M.A.	Inactive	Education
Spanish (Foreign Language Education)	M.A.	Inactive	Education
Special Education (Curriculum and Instruction)	Ed.S.	Inactive	Education
Special Education (Curriculum and Instruction)	Ph.D.		Education
Special Education, Behavior Disorders	M.A.		Education
Special Education, Behavior Disorders (Curriculum and Instruction)	M.Ed.	Inactive	Education
Special Education, Gifted	M.A.		Education
Special Education, Gifted (Curriculum and Instruction)	M.Ed.	Inactive	Education
Special Education, Mental Retardation	M.A.		Education
Special Education, Mental Retardation (Curriculum and Instruction)	M.Ed.	Inactive	Education
Special Education, Motor Disabilities	M.A.	Inactive	Education
Special Education, Motor Disabilities (Curriculum and Instruction)	M.Ed.	Inactive	Education
Special Education, Specific Learning Disabilities	M.A.		Education
Special Education, Specific Learning Disabilities (Curriculum and Instruction)	M.Ed.		Education
Special Education, Varying Exceptionalities	M.A.		Education
Special Education, Varying Exceptionalities	M.A.T.		Education
Speech Communication (College Teaching)	M.A.	Inactive	Education
Speech-Language Pathology (post Bacc)	M.S.		Arts and Sciences
Speech-Language Sciences (Communication Sciences and Disorders)	Ph.D.		Arts and Sciences
Statistics (Mathematics)	M.A.		Arts and Sciences
Statistics (Mathematics)	Ph.D.		Arts and Sciences
Structures (Civil Engineering)	M.C.E.		Engineering
Structures (Civil Engineering)	M.E.		Engineering
Structures (Civil Engineering)	M.S.C.E.		Engineering
Structures (Civil Engineering)	M.S.E.S.		Engineering
Structures (Civil Engineering)	Ph.D.		Engineering
Student Affairs Administration (Curriculum and Instruction)	Ph.D.	Inactive	Education
Tectonophysics (Geology)	M.S.		Arts and Sciences
Tectonophysics (Geology)	Ph.D.		Arts and Sciences
Theatre Education (Curriculum and Instruction)	M.Ed.	Inactive	Education
Theory (Music)	M.M.		Visual and Performing Arts
Toxicology and Risk Assessment (Public Health)	M.P.H.		Public Health
Toxicology and Risk Assessment (Public Health)	M.S.P.H.		Public Health
Toxicology and Risk Assessment (Public Health)	Ph.D.		Public Health
Transportation (Civil Engineering)	M.C.E.		Engineering

Transportation (Civil Engineering)	M.E.		Engineering
Transportation (Civil Engineering)	M.S.C.E.		Engineering
Transportation (Civil Engineering)	M.S.E.S.		Engineering
Transportation (Civil Engineering)	Ph.D.		Engineering
Urban Law Enforcement (Criminology)	Ph.D.	Inactive	Arts and Sciences
Vocational Education (Curriculum and Instruction)	Ed.S.		Education
Vocational Education (Education Program Development)	Ed.D.	Inactive	Education
Water Resources (Civil Engineering)	M.C.E.		Engineering
Water Resources (Civil Engineering)	M.E.		Engineering
Water Resources (Civil Engineering)	M.S.C.E.		Engineering
Water Resources (Civil Engineering)	M.S.E.S.		Engineering
Water Resources (Civil Engineering)	Ph.D.		Engineering
Wireless Circuits and Systems (Electrical Engineering)	M.E.		Engineering
Wireless Circuits and Systems (Electrical Engineering)	M.E.E.		Engineering
Wireless Circuits and Systems (Electrical Engineering)	M.S.E.E.		Engineering
Wireless Circuits and Systems (Electrical Engineering)	M.S.E.S.		Engineering
Wireless Circuits and Systems (Electrical Engineering)	Ph.D.		Engineering
Women's Studies	M.A.		Arts and Sciences

## Accelerated Degree Programs

The following lists some of the Accelerated Programs offered through U.S.F. New accelerated programs may have been approved since the publication of this list, others may now be inactive. For a current list, refer to: <http://admissions.grad.usf.edu/programs.asp> or contact the program of interest.

Program College(s)	Name of Program (Major) or Concentration (Specialization)	Degree	Program	Comments about the program
School of Architecture and Community Design	Architecture	M.Arc.	5 Year Program	2 plus 3 accelerated to the M.Arc. degree
Arts and Sciences	Addictions and Substance Abuse Counseling (Rehabilitation and Mental Health Counseling)	M.A.	5 Year Program Concentration	3 plus 2 accelerates to the MA
Arts and Sciences	Chemistry	BA/MA	5 Year Program	3 plus 2 – awards simultaneous degrees
Arts and Sciences	Marriage and Family Therapy (Rehabilitation and Mental Health Counseling)	M.A.	5 Year Program Concentration	3 plus 2 accelerates to the MA
Arts and Sciences	Mathematics	BA/MA	5 Year Program	3 plus 2 – awards simultaneous degrees
Arts and Sciences	Rehabilitation and Mental Health Counseling	M.A.	5 Year Program	3 plus 2 accelerates to the MA
Arts and Sciences	Speech - Pathology	M.S.	5 Year Program – <b>INACTIVE</b>	3 plus 2 accelerates to the MS - Inactivated
Arts and Sciences and Business Administration	Arts and Sciences and Business	BA or BS/MBA	5 Year Program	3 plus 2 may be mapped to most UG departments in AS and awards a BA or BS & MBA simultaneously
Business and Honors College	Business and Honors College	B.A./M.B.A.	5 Year Program	
Education	Special Education, Varying Exceptionalities	BS/MA	5 Year Program	3 plus 2 – awards simultaneous degrees
Engineering	Engineering	M.E., M.S.	5 Year Program	3 plus 2 may be mapped to any Engineering department and awards the bachelor & master simultaneously
Engineering	Engineering Science	M.S.E.S.	5 Year Program	3 plus 2 may be mapped to any Engineering department and awards the bachelor & master simultaneously



**Accelerated Programs Continued**

Medicine and Honors College	Medicine / Honors	BA/M.D.	7 Year Program	Medicine has an accelerated program agreement with the Honors College. The BA is awarded after the 4 <sup>th</sup> year then the student accelerates to the 2 <sup>nd</sup> year as a medical student.
Medicine and Honors College	School of Physical Therapy and Honors College	B.A./D.P.T.	6 Year Program	
Nursing	Nursing	BS/MS	5 Year Program	UG with an AS in nursing progressing toward the MS in nursing - BS/MS simultaneous degrees
Nursing	Nursing Education (Nursing)	M.S.	5 Year Program Concentration	
Public Health	Public Health	MPH/MSP	5 Year Program	Concentrations in Public Health Education admits UG students at 90 hours, PHC, and accelerates to the master degree

## Dual Degree Programs

The following lists some of the formalized Dual Degree Programs offered through the University of South Florida. New Dual Degree programs may have been approved since the publication of this list, others may now be inactive. For a current list, refer to: <http://admissions.grad.usf.edu/programs.asp> or contact the program of interest to see if your program qualifies for a Dual Degree option.

Program College(s)	Name of Dual Degree Programs	Dual/Joint Program	Degree
Arts and Sciences Public Health	Anthropology and Public Health	Dual Degree	M.A./M.P.H.
Arts and Sciences Engineering	Engineering Science and Physics	Joint Degree	M.A.
Arts and Sciences Engineering	Engineering Science and Physics	Joint Degree	Ph.D.
Public Health	Epidemiology and Biostatistics	Dual Concentration	
Arts and Sciences Engineering	Physics and Engineering Science	Joint Degree	Ph.D.
Arts and Sciences Education	Religious Studies and Education - <b>INACTIVE</b>	Dual Degree	M.A.
Arts and Sciences Public Health	Anthropology and Public Health	Dual Degree	Ph.D./M.P.H.
Arts and Sciences Public Health	Maternal and Child Health and Clinical Social Work	Dual Degree	MPH / MSW

## Section 11

### Graduate Certificates

Office of Graduate Certificates  
University of South Florida  
4202 E. Fowler Ave., BEH 304  
Tampa, FL 33620-8470

Web address:

<http://www.outreach.usf.edu/gradcerts/>

Email address: [gradcerts@admin.usf.edu](mailto:gradcerts@admin.usf.edu)

Phone: 813-974-2442

Fax: 813-974-7061

Director: Lagretta Lenker

Office Manager: Stephanie Shreve

#### Certificates Offered

Following is an alphabetical list of Graduate Certificates offered at USF. Some certificates may be currently inactive and new certificates may now be available. For information about Graduate Certificates currently offered and certificate requirements, go to the Graduate Certificate website at:

<http://www.outreach.usf.edu/gradcerts/>

Addictions and Substance Abuse  
Africana Studies  
Aging and Neuroscience  
Biochemistry and Molecular Biology  
Bioinformatics  
Biotechnology  
Career Counseling\*  
Clinical Investigation\*\*  
College Teaching\*  
Community Design and Development  
Comparative Literary Studies  
Creative Writing  
Criminal Justice Administration\*  
Cuban Studies  
Disaster Management\*\*  
Diversity  
Entrepreneurship\*\*\*  
Environmental Policy and Management  
Epidemiology  
Geographical Information Systems  
Geriatric Social Work/Clinical Gerontology  
Gerontology  
Gifted Education\*\*

Globalization Studies  
Health Management and Leadership\*  
Homeland Security\*\*\*  
Hospice, Palliative Care and End of Life Studies  
Humanitarian Assistance\*\*  
Hydrogeology  
Infection Control  
Instructional Technology: Distance Education\*\*  
Instructional Technology: Instructional Design\*  
Instructional Technology: Multimedia Design  
Instructional Technology: School Networks  
Instructional Technology: Web Design\*\*  
Interdisciplinary Transportation  
Latin American & Caribbean Studies  
Leadership in Developing Human Resources  
Materials Science and Engineering  
Mathematics  
Mental Health Counseling\*  
Mental Health Planning, Evaluation and Accountability  
Molecular Medicine  
Multimedia Journalism  
Museum Studies  
Music  
Nonprofit Management  
Nursing Education  
Nursing and Healthcare Informatics\*  
Play Therapy  
Political Science  
Post-Master's: Library and Information Science\*  
Post Master's Marriage and Family Therapy  
Post Master's Nurse Practitioner  
Public Health Generalist\*\*  
Public Health Policy and Programs\*\*  
Public Management  
Reading Certificate and Endorsement\*  
Regulatory Affairs – Medical Devices\*\*\*  
Rehabilitation Technology  
Safety Management  
School Library Media Specialist\*  
Social Marketing & Public Health  
Social Science Education  
Statistical Data Analysis  
Teaching Composition  
Teaching English as a Second Language (TESL)  
Technology Management\*\*\*  
Total Quality Management\*\*\*  
Transportation Systems Analysis\*\*\*

Violence and Injury: Prevention and Intervention  
 Wireless Engineering\*\*\*  
 Women's Health  
 Women's Studies  
 \* Partially online  
 \*\*Fully online  
 \*\*\*Fully online via Academic and Professional  
 Engineering Excellence (APEX)

## Graduate Certificate Policies

The areas of study for the graduate certificates are created within the mission of graduate education. Students will be awarded certificates upon completion of specific course work, which has been approved by the Graduate Council. The graduate certificate is not defined as a degree by the Graduate School; rather, it is a focused collection of courses that, when completed, affords the student some record of distinct academic accomplishment in a given discipline or set of related disciplines. Moreover, the graduate certificate is not viewed as a guaranteed means of entry into a graduate degree program. While the courses comprising a graduate certificate may be used as evidence in support of a student's application for admission to a degree program, the certificate itself is not considered to be a prerequisite.

### Process of Approval for New Graduate Certificates

Proposals for new areas of study for graduate certificates are created and submitted by the academic unit that wishes to offer such a certificate. Proposals must be accompanied by endorsement from the department heads and deans of the colleges/schools in which the contributing course work is offered as well as from the academic unit or units whose students or degree programs could be impacted by the creation of the graduate certificate. The Graduate Council will consider all the proposals for new graduate certificates to assure proposal guidelines have been followed and that repetition and redundancy across areas of study for certificates are not evident. Those meeting the criteria set forth by Graduate Council will then be recommended to the Provost for approval.

### Criteria for Approval

The general principles applied to the assessment of the academic quality of proposals for new graduate areas of study for certificate include:

1. The proposed sequence of course work must offer a clear and appropriate educational objective at the post-baccalaureate level.
2. The proposed curriculum will achieve its educational objective in an efficient and well-defined manner.
3. A perceived need for such a certificate should exist. This provision might be defined in terms of either external markets (i.e., external demand for the skills associated with such a certificate) or internal academic means (i.e., the need for a critical mass of students in a given discipline).
4. An appropriate number of credit hours must comprise the area of study for the certificate. The number of graduate credits cannot be less than nine (9) or more than one-half of the credits necessary for a related master's degree from the Graduate School.
5. If the area of study for a certificate requires new courses, those courses must be approved by the appropriate College bodies or offices and the Graduate Council.

### Student Eligibility and Admission Criteria

Student must apply and be accepted into the graduate certificate area of study to be eligible to receive a certificate. The prerequisites and general criteria of eligibility for admission to any graduate certificate area of study include:

1. An earned baccalaureate degree or its equivalent from a regionally accredited college or university or enrollment in a USF five-year academic program is required. Students in five-year academic programs may be admitted upon completion of 120 semester hours.

2. Each graduate area of study sets the requirements for admission, including minimum grade point average, standardized test scores, and other similar criteria as part of the application.
3. Students who wish to pursue a graduate certificate must apply and be admitted to the certificate area. Students are encouraged to contact the coordinator prior to applying. All students who wish to pursue approved graduate certificates must be admitted to such areas of study before one-half of the required credits are completed.
4. Certificate-seeking-students not currently enrolled in a degree-granting graduate program, will be admitted into a separate classification within the University, and will be classified as "Graduate Certificate Students." This separate classification will permit the University to monitor statistical and enrollment data for certificate areas of study, and will allow inclusion of such efforts in the annual reports and academic planning. The Graduate Certificate Office will note successful completion of a certificate on the student's transcript upon completion.
5. Students pursuing a graduate certificate will be required to meet the same academic requirements as those defined for degree-seeking students to remain in "good standing".
6. All graduate certificate students may apply one graduate course to two graduate certificates.
7. All graduate certificate students must meet all prerequisites for courses in which they wish to enroll. Should a graduate certificate student subsequently apply and be accepted to a degree-granting program, up to twelve (12) hours of USF credit earned as a graduate certificate student may be applied to satisfy graduate degree requirements. Any application of such credit must be approved by the degree-granting college and must be appropriate to the program.

### Certificate Requirements

To receive a graduate certificate:

1. Students must successfully complete certificate requirements as established by the university.
2. Students must submit a completion form. Degree-seeking students must submit this form before graduating from their degree program. Non-degree-seeking students must submit this form no later than one semester after completing their certificate course work.
3. Students must have been awarded a bachelor's or higher degree.



## Section 12

### School of Architecture and Community Design

University of South Florida  
School of Architecture and Community Design  
3702 Spectrum Blvd. #180  
Tampa, FL 33612

**Web address:** <http://www.arch.usf.edu/>  
**Email address:** [information@arch.usf.edu](mailto:information@arch.usf.edu)  
**Phone:** 813-974-4031  
**Fax:** 813-974-2557

**School Dean:** Charles C. Hight  
**Associate Dean:** Daniel S. Powers  
**Graduate Coordinator:** Daniel S. Powers

**Accreditation:**  
Accredited by the National Architecture  
Accrediting Board.

**Mission Statement:**  
The School of Architecture and Community  
Design emphasizes architecture and community  
design proficiency, technical competency, and  
applied research that constitute thorough  
preparation for practice into the 21st century.  
The school seeks to create environments in  
which students and faculty can: experience and  
appreciate the poetry of architecture; study the  
myriad forms of community and human habitat;

understand how past designs can inform future  
possibilities; master the technologies necessary  
to create a sound, ecological world; develop a  
vision of what such a world might be; assume  
leadership roles in helping achieve this vision.  
The school also aims to increase the general  
understanding of environmental design through  
undergraduate education programs, public events  
and exhibitions, and dialogue about emerging  
issues and it develops and transmits new  
knowledge through advanced certificate  
programs and continuing education programs.

**Major Research Areas:**  
Architecture and Community Design

**Types of Degrees Offered:**  
Master of Architecture (M.Arch.)

**Name of Programs Offered:**  
Architecture

**Concentrations:**  
n/a

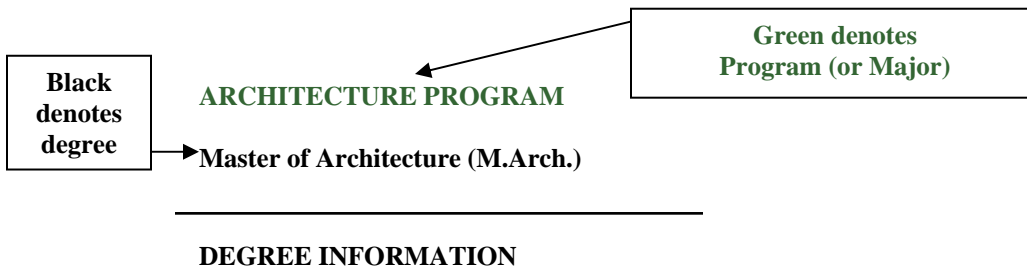
**Graduate Certificates Offered:**  
Community Design and Development

**College Requirements:**  
n/a

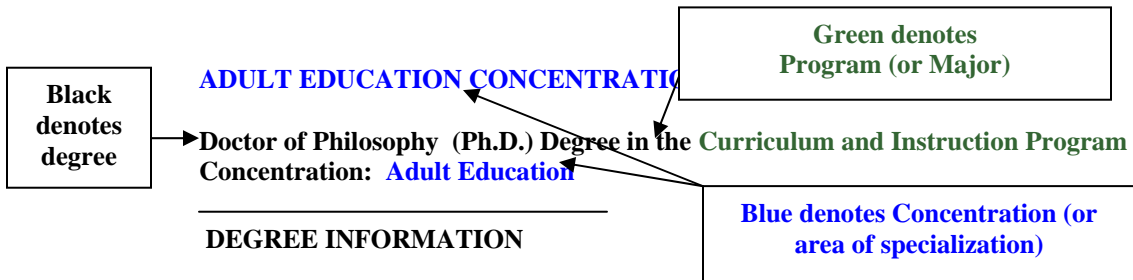
## About the Catalog

The University of South Florida Graduate Catalog is organized with the degree programs offered listed in the section of the college that offers them. For example, the Master of Science degree with a “program” (also known as major) in Biology is listed in the College of Arts and Sciences section. Some colleges offer areas of specialization, or “concentrations” within a degree program.

### EXAMPLE OF PROGRAM PAGE



### EXAMPLE OF CONCENTRATION PAGE



The name of the program and/or concentration does not appear on the diploma – only the name of the degree (i.e., Master of Arts) is listed. The program and concentration information is listed on the official transcript. Other areas, such as application track, are not listed on the transcript.

## ARCHITECTURE PROGRAM

### Master of Architecture (M.Arch.) Degree

---

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
Fall Deadline:	February 1
Fall admissions only.	
<b>Minimum Total Hours:</b>	105/55
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active
<b>CIP Code:</b>	4.0201
<b>Department Code:</b>	DEA
<b>Program (Major/Coll) Code:</b>	ARC AR

#### CONTACT INFORMATION

<b>College:</b>	School of Architecture and Community Design
<b>Program Director:</b>	Daniel Powers
<b>Other Contact:</b>	Carol Trent
<b>Phone:</b>	813-974-4031
<b>Fax:</b>	813-974-2557
<b>Email:</b>	<a href="mailto:information@arch.usf.edu">information@arch.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.arch.usf.edu/">http://www.arch.usf.edu/</a>
<b>Mailing Address:</b>	
	University of South Florida
	School of Architecture and Community Design
	3702 Spectrum Blvd, Suite 180
	Tampa, FL 33620

---

#### PROGRAM INFORMATION

The program leading to the accredited Master of Architecture degree is intended for students who have completed baccalaureate degrees in non-architectural majors or with a pre-professional undergraduate major in one of the design professions. The comprehensive and rigorous curriculum prepares graduates for a full range of professional activities. The course of study emphasizes urban architecture and related topics to take advantage of its diverse metropolitan setting in Florida's Tampa Bay.

The School of Architecture and Community Design (SACD) is home to the Florida Center for Community Design and Research, a non-profit public service institute of the School of Architecture and Community Design. It was founded in 1986 to assist the citizens of Florida in the creation of more livable and sustainable communities through applied community design, multi-disciplinary research, and public education. The diverse staff includes architecture faculty and students, research scientists, and programmer analysts. In addition, the Center has affiliated faculty or graduate students from the Department of Anthropology, Biology, Fine Arts, Geography, and Social Work.

#### Accreditation and Licensure:

Applicants for architectural licensure in Florida, and most jurisdictions in the United States, normally must have:

- earned a professional degree from a School accredited by the National Architectural Accrediting Board (NAAB)
- completed the Intern Development Program (IDP)
- passed the Architect Registration Examination (ARE)

According to the 1998 edition of the of the NAAB Conditions and Procedures: "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 US professional degree programs in architecture, recognized two types of degrees: the Bachelor of Architecture and the Master of Architecture. A program may be granted a six-year, three-year, or two-year term of accreditation, depending on its degree of conformance with established educational standards. Masters degree programs may consist of a pre-professional undergraduate degree and a professional graduate degree, which, when earned sequentially, comprise an accredited professional education. However, the pre-professional degree is not, by itself, recognized as an accredited degree."

#### Major Research Areas:

Architecture and Community Design

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

In order to enroll in the M.Arch. Program, students must be accepted by the Graduate School and the School of Architecture and Community Design. These are separate admission processes that involve different application forms, supportive materials, and deadlines. For more detailed information, students should see Graduate Admissions online and visit the SACD website.



**Program Admission Requirements**

The Master of Architecture (M.Arch.) requires a 3.0 undergraduate GPA; GRE Test Score; Portfolio of creative work; Completed 3 prerequisite courses: Physics, Calculus, and AutoCAD; Written Statement of Intent.

**DEGREE PROGRAM REQUIREMENTS**

The M.Arch. Degree normally requires 105 credit hours of coursework for students with baccalaureate degrees in non-architectural subjects. In order to complete the program in a timely manner, students must complete 15-17 credit hours per semester. Students with undergraduate degrees in architecture or related fields may receive waivers for some required courses for which a grade of B or better was earned. Students with four-year pre-professional degrees must complete a minimum of 52 credit hours in the Master of Architecture program. Students with five or six year professional degrees from a NAAB/CAAB accredited program (U.S. and Canada) must complete a minimum of 30 credit hours in the program. For more detailed information, interested students should contact the School directly or visit its website.

**Course Requirements:**

Prerequisites: College level Physics\*, calculus\*, Computer-aided Design, competence in design/graphics (portfolio)

**History/Theory**

ARC 5731 – Architectural History I\*  
 ARC 5732 – Architectural History II\*  
 ARC 5256 – Design Theory\*

**Technology**

ARC 5470 – Intro to Technology\*  
 ARC 5467 – Materials and Methods\*  
 ARC 5587 – Structures I\*  
 ARC 5588 – Structures II\*  
 ARC 5689 – Environmental Technology\*  
 ARC 6481 – Design Development  
 One elective in technology

**Design/Graphics**

ARC 5361 – Core Design I\*  
 ARC 5362 – Core Design II\*  
 ARC 5363 – Core Design III\*  
 ARC 6364 – Advanced Design A \*  
 ARC 6365 – Advanced Design B  
 ARC 6366 – Advanced Design C  
 ARC 6970 – Masters Project Planning  
 ARC 6976 – Masters Project OR ARC 6367 –  
 Advanced Design D  
 One elective in Design/Graphics\*

**Professional Practice**

ARC 6287 – Professional Practice I  
 ARC 6288 – Professional Practice II

**Urban Design**

One elective in Urban Design

**Free Electives**

9 credit hours required

\*Courses marked by asterisk (\*) may be completed in undergraduate pre-professional or similar programs with a grade of B or above and with approval of faculty advisor.

**OTHER REQUIREMENTS****Computers**

The School of Architecture and Community Design requires each student enrolled in the Advanced Design Studios level, or higher, to possess (through purchase or lease) a NOTEBOOK COMPUTER system.

The notebook computer requirement allows students to conduct the majority of digital work, which is an integral aspect of advanced architectural design education and professional practice, in the design studio. The studio is the primary place for the exchange of design ideas, critique, and synthesis, and the Architecture faculty believes that the student's regular presence in the studio is critical for maximizing her or his architectural design learning.

The notebook system is required in lieu of a desktop in order to address the limited design studio space available to each student. The mobility of the notebook allows the student to easily and quickly transform a relatively small desk space into a variety of configurations suitable for physical model-making, hand-drawing, hand-drafting, design research, and design writing as well as digital drawing, modeling, and graphic design. The battery-powered notebook allows for maximum computer use within environments with limited electrical power outlets.

The School will continue to maintain high-powered computer systems in the laboratory for intensive computing required for manipulating large digital models, renderings, etc. Students may begin their digital work on their laptops and, if needed, use removable storage and network connections to transfer files to the lab systems for final development. The School provides black and white printers, color and black and white plotters, and scanners in the computer laboratory.

Because the notebook computer system is an educational requirement of the School, the cost of a new computer purchase can be factored in determining a student's financial need. The student must contact the USF Office of Financial Aid (813-974-4700) to request additional information and a "Budget Adjustment for Computer Purchase" form prior to ordering a computer. The decision regarding a student's budget adjustment may take 6-8 weeks, so

students are strongly encouraged to plan ahead. Only one financial aid budget adjustment up to \$2,500 for a new computer can be issued during a three year period.

**Portfolios**

The faculty requires the submission of portfolios of academic work by each student at two formal portfolio reviews. Students must pass these portfolio reviews in order to advance in the program. The portfolio policy can be found on the School's website. Students are advised to prepare their design work for inclusion in their portfolios at the end of each design semester, instead of waiting until just before the portfolio due dates. Some expense, varying widely according to reproduction technique and/or ambition, should be anticipated.

**Field Trips**

Each year students in the fall term beginning students in take a field trip to Savannah, GA. Transportation, lodging and meals (\$200-300) are paid by the students. Students in design studios take field trips to such cities as New York, Boston and Chicago in the spring. The cost of these trips may be \$200-600 per student.

**Student Work**

Student work, submitted to the School in satisfaction of course or degree requirements, becomes the physical property of the School. This work may include papers, drawings, models, and other materials in either physical or electronic form. The School assumes no responsibility for safeguarding such materials. At its discretion, this School may retain, return, or discard such materials. The School will not normally discard the materials of currently enrolled students without giving the student a chance to reclaim them.

**GPA of 3.0 in Design**

In addition to the state-wide requirement that students maintain an overall grade point average(GPA) of 3.0 or better, the Architecture faculty also requires that students maintain a GPA of 3.0 or better in all design courses.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>



## Section 13

### College of Arts and Sciences

University of South Florida  
College of Arts and Sciences  
4202 E. Fowler Ave SOC107  
Tampa, FL 33620

**Web address:** <http://www.cas.usf.edu/>  
**Email:** see department listings  
**Phone:** 813-974-6957  
**Fax:** n/a

**College Dean:** John Skvoretz  
**Associate Dean:** Bruce Cochrane  
**Graduate Coordinator:** Bruce Cochrane

**Accreditation:**  
The Commission on Colleges of the Southern Association of College and Schools. Contact college for other accreditation information

**Mission Statement:**  
The College of Arts and Sciences is a community of scholars dedicated to the idea that educated people are the basis of a just and free society. The essences of education are a capacity for the appreciation of social change within a context of prior human achievement. The faculty of the Arts and Sciences strive to instill in their students a history of human ideas, a love of learning, and an understanding of the means that scholars have used in their search for beauty and order in the natural world. The education provided by the disciplines of the Arts and Sciences is the foundation upon which the lives and professions of our students are built, and the basis from which personal growth occurs.

The College of Arts and Sciences takes as its goal a melding of the natural, humanistic and social philosophies into a comprehensive whole that encourages the development of new ideas and new approaches to the understanding of our university.

It is the responsibility of scholars to share their discoveries for the betterment of society. Thus, the Arts and Sciences embrace the disciplines that strive to make immediate use of knowledge in the service of social goals as well as the disciplines whose discoveries contribute to the fund of basic information that is the stepping stone of applied knowledge.

**Major Research Areas:**  
See individual departments.

**Types of Degrees Offered:**  
Master of Arts (M.A.), Master of Liberal Arts (M.L.A.), Master of Public Administration (M.P.A.), Master of Science (M.S.), Master of Social Work (M.S.W.), Doctor of Audiology (Au.D.), Doctor of Philosophy (Ph.D.)

**Name of Programs Offered:**  
[Master of Arts - M.A](#)  
American Studies, Applied Anthropology, Applied Linguistics, Chemistry, Classics (CoOp, UF.) , Communication, Criminology, English, French, Geography, Gerontology, History, Latin American, Caribbean, and Latino Studies, Library and Information Science, Linguistics, Mass Communications, Mathematics, Philosophy, Political Science, Psychology, Rehabilitation and Mental Health Counseling, Rehabilitation Counseling - 5 yr program, Religious Studies, Sociology, Spanish, Women's Studies

[M.A. Programs for Secondary School Teachers and Jr. College Teachers](#) (offered with College of Education)

[Master of Liberal Arts - M.L.A](#)

[Master of Public Administration - M.P.A](#)

**Master of Science - M.S.**

Audiology, Aural Rehabilitation, Biology, Chemistry, Environmental Science and Policy, Geology, Microbiology, Physics, Speech-Language Pathology

**Master of Social Work - M.S.W.**

Maternal and Child Health/Clinical Social Work – Dual Program

**Doctor of Audiology -Au.D.****Doctor of Philosophy -Ph.D.**

Aging Studies, Applied Anthropology, Biology, Chemistry, Communication, Communication Sciences and Disorders, Criminology, English, Geography and Environmental Science and Policy, Geology, Mathematics, Philosophy, Physics (Applied), Psychology, Second Language Acquisition & Instructional Technology\*, Social Work

\*offered through the Department of Secondary Education

**Areas of Concentrations:**

Addictions & Substance Abuse Counseling  
 Addictions & Substance Abuse Counseling (5 yr)  
 Africana Studies  
 American History  
 Analytical Chemistry  
 Ancient History  
 Aqueous Geochemistry  
 Atmospheric Physics  
 Atomic and Molecular Physics  
 Biochemistry  
 Biogeochemistry  
 Clinical Psychology  
 Coastal Geology  
 Coastal Marine Biology  
 Cognitive and Neural Sciences  
 Computational Chemistry  
 Conservation Biology  
 Creative Writing  
 Environmental Chemistry  
 Economic, Social and Planning Issues in Urban Environment  
 Environmental Chemistry  
 Environmental Geophysics  
 European History  
 Florida Studies  
 Geographic Information Systems and Spatial Analysis  
 Geomorphology  
 Hearing Sciences and Audiology  
 Humanities  
 Hydrogeology

Industrial and Organizational Psychology  
 Inorganic Chemistry  
 Journalism Studies (at St. Petersburg)  
 Laser Physics  
 Latin American History  
 Latin/Greek: co-op program with U.F.  
 Liberal Studies  
 Literature  
 Marriage and Family Therapy  
 Marriage and Family Therapy (5 yr)  
 Mass Communication Studies  
 Materials Physics  
 Medical Physics  
 Medieval History  
 Molecular Cellular Biology  
 Natural/Technological Hazards and Environmental Justice  
 Neurocommunicative Sciences  
 Optical Physics  
 Organic Chemistry  
 Paleoclimatology  
 Paleontology  
 Petrology  
 Physical Chemistry  
 Polymer Chemistry  
 Public Relations Studies  
 Pure and Applied (Math)  
 Rhetoric and Composition  
 Semiconductor Physics  
 Social and Political Thought  
 Solid State Physics  
 Speech-Language Sciences  
 Statistics  
 Tectonophysics

**Graduate Certificates Offered:**

See Graduate Certificates Section

**COLLEGE REQUIREMENTS****Thesis Enrollment**

Upon successful completion of all M.A./M.S. degree requirements except for thesis, Arts and Sciences graduate students must enroll in a minimum of two (2) credit hours of Thesis each semester (except Summers) until the completion of the master's degree.

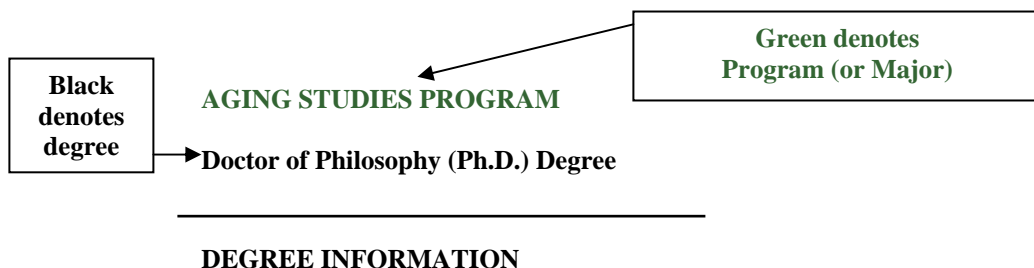
**Dissertation Enrollment**

Doctoral students who have been admitted to candidacy, are required to accumulate a minimum of six (6) credit hours of Dissertation during each previous 12-month period (previous three (3) terms, e.g., Fall, Spring, Summer) until the degree is granted.

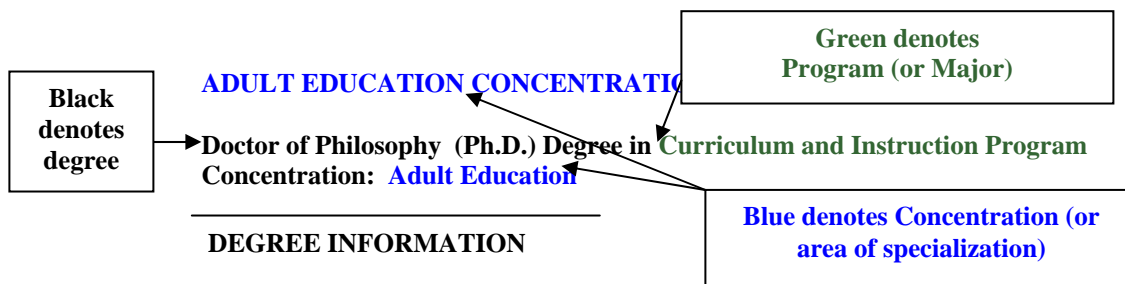
## About the Catalog

The University of South Florida Graduate Catalog is organized with the degree programs offered listed in the section of the college that offers them. For example, the Master of Science degree with a “program” (also known as major) in Biology is listed in the College of Arts and Sciences section. Some colleges offer areas of specialization, or “concentrations” within a degree program.

### EXAMPLE OF PROGRAM PAGE



### EXAMPLE OF CONCENTRATION PAGE



The name of the program and/or concentration does not appear on the diploma – only the name of the degree (i.e., Master of Arts) is listed. The program and concentration information is listed on the official transcript. Other areas, such as application track, are not listed on the transcript.

## AGING STUDIES PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

**Fall:** February 1  
Fall admissions only

**Minimum Total Hours:** 90  
**Program Level:** Doctoral  
**Program Status:** Active

**CIP Code:** 30.1101  
**Dept Code:** GEY  
**Program (Major/College):** AGE AS

#### CONTACT INFORMATION

**College:** Arts and Sciences  
**Department:** School of Aging Studies  
**Program Director:** Amy Woodbury  
**Other Contact:** n/a  
**Phone:** 813-974-2414  
**Fax:** 813-974-9754  
**Email:** [agingstudies@cas.usf.edu](mailto:agingstudies@cas.usf.edu)

**Web Address:**  
<http://www.cas.usf.edu/agingstudies>

**Mailing Address:**  
University of South Florida  
School of Aging Studies  
4202 E. Fowler Avenue MHC1338  
Tampa, FL 33620

#### PROGRAM INFORMATION

The Interdisciplinary Ph.D. in Aging Studies is the first of its kind in the United States, and to the best of our knowledge, the world. What makes this program unique is the combined emphasis on providing a broad based foundation in the interdisciplinary aspects of aging with a focus on developing in-depth expertise in a research area. The program draws on the expertise of faculty from all colleges, departments, and centers at the University of South Florida to provide students with exposure to other disciplines and the different approaches to scientific and scholarly inquiry.

The Ph.D. in Aging Studies is hosted by the School of Aging Studies, which is the organizational focal point for interdisciplinary research, educational, clinical and community service activities for faculty and students. An interdisciplinary committee of faculty governs the program, therefore, students can develop a research program, which focuses on their particular interests, including faculty throughout the university.

The Ph.D. in Aging Studies is a research-oriented program designed to train future leaders in the field of aging. The program admits students who show exceptional promise to become strong academic, public sector, and corporate researchers. Students should expect to enroll in the program full time (9 credits in fall, 9 credits in spring, and 6 credits in summer). First year students are generally supported with at \$15,000 fellowship, tuition waiver, and health insurance. Fellowship or assistantship support and tuition waivers are generally available during subsequent years of doctoral training. Students who wish to apply as part-time students must contact Dr. McEvoy before applying.

#### Faculty Organization

The interdisciplinary nature of the program is exemplified by the number of core faculty credentialed to teach in the program and the range of academic departments they represent. Over forty faculty from ten colleges and research centers have been identified as the core faculty in the program. They represent over sixteen academic departments. Additional faculty are expected to augment the core faculty bringing increased diversity and interdisciplinary expertise to the program.

#### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

#### Program Admission Requirements

GPA of 3.25 and a current GRE; to be competitive, 580V, 620 Q. Applicants where English is not the language of instruction must also submit a TOEFL score of at least 600. In addition, students must submit their best example of a single authored writing sample, and a summary of their career goals and past preparation for a research career plus three letters of recommendation from individuals familiar with the student's work and/or research.

**DEGREE PROGRAM REQUIREMENTS**

There are 4 three-credit courses that constitute the core interdisciplinary requirements for the program and 2 courses that fulfill the Tools of Research requirements. The requirements are enrollment in Psychological Aging: Interdisciplinary Perspectives, Biomedical Aging, Population Aging, and Social and Health Aspects of Aging. Each core course is taught from an interdisciplinary perspective with faculty from different fields addressing issues from their disciplinary perspectives. Students must also enroll in a sequence of at least two methods/statistics courses.

Students are required to enroll in the Aging Studies Pro-seminar (2 credits) each fall and a content seminar (3 credits) each spring semester continuously until they are Admitted to Candidacy. The Pro-seminars investigate different topics each semester and are led by faculty from different disciplines as well as guest speakers.

Students entering the program may be advised to take additional courses to prepare them for careers as researchers and scholars in their area of specialization within Aging Studies. Students entering with master's degrees in relevant disciplines may not need to take additional courses. Students develop individualized courses of study, allowing specialization in a wide variety of content areas and research methods. Supervised research experience is available from a number of faculty with diverse research expertise.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## AMERICAN STUDIES PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	05.0102
<b>Dept Code:</b>	AMS
<b>Program (Major/College)</b>	AMS AS

#### CONTACT INFORMATION

<b>College:</b>	Arts and Sciences
<b>Department:</b>	Humanities and American Studies
<b>Program Director:</b>	Daniel Belgrad
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-9388
<b>Fax:</b>	813-974-9409
<b>Email:</b>	<a href="mailto:ams@cas.usf.edu">ams@cas.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cas.usf.edu/humanities/amsmareq.html">http://www.cas.usf.edu/humanities/amsmareq.html</a>

**Mailing Address:**

University of South Florida  
 Humanities and American Studies  
 American Studies Program  
 4202 E. Fowler Avenue, CPR107  
 Tampa, FL 33620

---

#### PROGRAM INFORMATION

The Master of Arts in American Studies offers students the opportunity to study the immensely complicated social relations and cultural patterns that have unified and sometimes divided Americans. Students examine popular culture, as well as elite culture, heroines and heroes, the lives of ordinary people, in addition to recognized historical and cultural figures.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

3.0 upper division undergraduate GPA, GRE required with a verbal score of 500 or higher and an analytical writing score of not less than 4.5, plus three letters of recommendation, demonstrated knowledge of United States culture, history, literature, etc., and an interview with the advisor.

---

#### DEGREE PROGRAM REQUIREMENTS

Total required hours (33)

1. 12 hours: AMS 6156, AMS 6254, AMS 6805, and AMS 6938
2. 15 hours: To be selected from 5000 or 6000 level courses in American Studies and/or related departments, such as: English, History, Humanities, Philosophy, Religious Studies, Sociology, and Women's Studies. No more than 6 hours from any one department may be credited toward the degree without written consent from the Graduate Director. Work in AMS 6002, AMS 6375, AMS 6901, AMS 6915, AMS 6934, and AMS 6940 may be included.
3. 6 hours: Thesis AMS 6971.

During the semester immediately following completion of required course work, each student should take a written examination on two areas of concentration, selected after consultation with the Graduate Director so that they will be relevant to the student's thesis.

The thesis is an extended research project within a specific area of Concentration, culminating in a written academic analysis. Upon completion of the thesis, the subject of which must be determined in consultation with the Graduate Director, the student must schedule an oral defense.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>



## ANTHROPOLOGY PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	Program is currently inactive
<b>Minimum Total Hours:</b>	N/A
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Inactive
<b>CIP Code:</b>	45.0201
<b>Dept Code:</b>	ANT
<b>Program (Major/College):</b>	ANT AS

#### CONTACT INFORMATION

<b>College:</b>	Arts and Sciences
<b>Department:</b>	Anthropology
<b>Program Director:</b>	David Himmelgreen
<b>Other Contact:</b>	Daisy Matos
<b>Phone:</b>	813-974-2138
<b>Fax:</b>	813-974-2668
<b>Email:</b>	<a href="mailto:anthro@cas.usf.edu">anthro@cas.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cas.usf.edu/anthropology/index.html">http://www.cas.usf.edu/anthropology/index.html</a>

**Mailing Address:**  
University of South Florida  
Anthropology  
Anthropology Program  
4202 E. Fowler Avenue, SOC107  
Tampa, FL 33620

---

**Inactive.** Currently, students are not being admitted to this program.

## ANTHROPOLOGY AND PUBLIC HEALTH PROGRAMS

### Dual Degree Program

### Master of Arts (M.A.)/Master of Public Health (MPH) Degrees

#### DEGREE INFORMATION

##### Program Admission Deadlines:

**Fall:** January 15  
Fall admissions only

**Minimum Total Hours:** Anthropology 37  
Public Health 38-51

**Program Level:** Masters

**Program Status:** Active

**CIP Code:** Anthropology: 45.0201  
Public Health: 51.2201

**Dept Code:** ANT  
DEA

**Program (Major/College):** ANT AS  
MPH PH

#### CONTACT INFORMATION

**Colleges:** Arts and Sciences  
Public Health

**Department:** Anthropology  
Public Health

**Program Director:** David Himmelgreen

**Other Contact:** Daisy Matos

**Phone:** 813-974-2138

**Fax:** 813-974-2668

**Email:** [anthro@cas.usf.edu](mailto:anthro@cas.usf.edu)

**Web Address:**  
<http://www.cas.usf.edu/anthropology.index>

**Mailing Address:**  
University of South Florida  
Anthropology  
Dual Degree Program  
4202 E. Fowler Avenue, SOC107  
Tampa, FL 33620

#### PROGRAM INFORMATION

The two programs review applicants independently. A single graduate school application form is completed, listing both anthropology and public health as major areas of study. The review process may begin in either college. The timing of application should take into consideration that the COPH admits students three times a year (Fall, Spring, and Summer) and the Department of Anthropology admits students annually in the Fall. Once the applicant has been accepted into one program, the application folder is forwarded to the other program for review.

After admission to both programs, the Graduate Admissions office instructs the Registrar's Office to classify the student as dually enrolled in anthropology and public health. In choosing which program to apply to first, students should take into consideration the following: requirements in Anthropology for admission are different than in Public Health; admission to one program doesn't guarantee admission to the other; and of course, the student's interests and career plans.

Upon completion of all requirements for the dual degree program, the student submits separate applications for graduation to anthropology and public health, and is certified for graduation by both programs and receives two diplomas. Dual degree students can also select elective courses to fulfill a concentration in Bio-cultural medical anthropology.

#### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

#### Program Admission Requirements

Must meet all admissions criteria established by USF with the exception that applicants must have a 3.20 undergraduate GPA and 550V, 550Q, 4.0 AW of the GRE plus

- 1) a statement of purpose
- 2) a signed Research Ethics statement
- 3) at least 3 letters of recommendation
- 4) a resume
- 5) graduate assistant application form (optional)

#### DEGREE PROGRAM REQUIREMENTS

##### M.A. in Applied Anthropology (37 hours)

1. ANG 6931 Foundation I (3cr)
2. ANG 6934 Foundation II (3cr)

3. ANG 6701 Contemporary Applied Anthropology (3cr)
4. ANG 6766 Research Methods in Applied Anthropology (3cr)
5. Graduate level statistics course fulfilled by [PHC 6050](#) Biostatistics I or ANG 5488 Statistics
6. three graduate level seminars (variable topics) in Anthropology, at least two in the area of medical anthropology (usually [ANG 6469](#) Selected Topics in Medical Anthropology); one of these fulfilled by taking in public health [PHC 6410](#) Social and Behavioral Sciences Applied to Health or [PHC 6931](#) Advanced Seminar in SBS Applied to Health
7. One graduate level course outside the Department of Anthropology fulfilled by public health courses
8. Comprehensive examination requirement met by successfully completing ANG 6934 (Foundation II)
9. Internship: [ANG 6915](#); one semester, full-time after completion of course requirements, in the field of public health to dually fulfill MPH requirement for Supervised Field Experience [PHC 6945](#), 4 credit hours minimum
10. Thesis: [ANG 6971](#): dually fulfills MPH requirement for Special Project, [PHC 6977](#), 6 credit hours minimum

#### MPH in Public Health (38-51 hours)

Requirements include public health core courses, concentration area courses, electives, supervised field placement, comprehensive exam, and special project.

#### 1. Public Health Core Courses (15 hours, required for all concentration areas):

- a) [PHC 6410](#) Social and Behavioral Sciences Applied to Health (3)
- b) [PHC 6000](#) Epidemiology (3)
- c) [PHC 6050](#) Biostatistics I (3) or ANG 5488 Statistics
- d) [PHC 6102](#) Principles of Health Policy and Management (3)
- e) [PHC 6357](#) Environmental and Occupational Health (3)

#### 2) Concentration Area Courses

- a) Health Policies and Programs
- b) Health Care Organizations and Management
- c) International Health Management
- d) Epidemiology
- e) Environmental Health
- f) Tropical Public Health/Communicable Disease
- g) Maternal and Child Health
- h) Public Health Education

For program descriptions and requirements, please see [College of Public Health](#)

#### Graduate Concentration in Bio-cultural Medical Anthropology

Graduate students in the M.A., Ph.D., or dual degree programs can select three graduate medical anthropology elective courses with the ANG prefix, one of which must be cross-listed with ANG 6511 (Seminar in Physical Anthropology). The following courses are regularly offered and can be taken as bio-medical electives:

- |          |   |
|----------|---|
| ANG 6463 | Social Epidemiology and Applied Anthropology  |
| ANG 6565 | Regional Problems in Medical Anthropology     |
| ANG 6568 | Applied Anthropology and International Health |

ANG 6569 Selected Topics in Medical Anthropology (recent selected topics courses include Nutritional Anthropology, Ethnicity and Health Care, Community and Health Care, Social Epidemiology of AIDS, Cross-cultural Aspects of Aging, Forensic Anthropology (Cross listed with ANG 6511), Human Biology of Afro-Cuban Populations (cross-listed with ANG 6511), Theories and Methods in Applied Bio-anthropology.

Other electives as approved by advisor

Graduate students pursuing a concentration in Bio-cultural Medical Anthropology must take the basic course requirements of their graduate program.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## ANTHROPOLOGY AND PUBLIC HEALTH PROGRAMS

### Dual Degree Program

### Doctor of Philosophy (Ph.D.)/Master of Public Health (MPH) Degrees

---

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	January 15 Fall admissions only
<b>Minimum Total Hours:</b>	Anthropology 37 Public Health 38-51
<b>Program Level:</b>	Doctoral and Masters
<b>Program Status:</b>	Active
<b>CIP Code:</b>	Anthropology: 45.0201 Public Health: 51.2201
<b>Dept Code:</b>	ANT DEA
<b>Program (Major/College):</b>	APA AS MPH PH

#### CONTACT INFORMATION

<b>Colleges:</b>	Arts and Sciences Public Health
<b>Department:</b>	Anthropology Public Health
<b>Program Director:</b>	David Himmelgreen
<b>Other Contact:</b>	Daisy Matos
<b>Phone:</b>	813-974-2138
<b>Fax:</b>	813-974-2668
<b>Email:</b>	<a href="mailto:anthro@cas.usf.edu">anthro@cas.usf.edu</a> <a href="http://www.cas.usf.edu/anthropology/index.html">http://www.cas.usf.edu/anthropology/index.html</a>
<b>Mailing Address:</b>	University of South Florida Anthropology Dual Degree Program 4202 E. Fowler Avenue, SOC107 Tampa, FL 33620

---

#### PROGRAM INFORMATION

Students interested in combining a program of study leading to a doctorate plus master's degree have two choices: they may obtain a Ph.D. in Applied Anthropology with an M.P.H. in a Public Health concentration; or they may obtain a Ph.D. in Public Health with an M.A. in Applied Anthropology. For the doctoral/master's combination, students develop individual programs of study in consultation with an interdisciplinary academic advisory committee. The committee must approve the plan of study as well as the proposal to fulfill the thesis and dissertation requirements or dissertation and special project requirements through a single project.

The two programs review applicants independently. A single graduate school application form is completed, listing both anthropology and public health as major areas of study. The review process may begin in either college. The timing of application should take into consideration that the COPH admits students three times a year (Fall, Spring, and Summer) and the Department of Anthropology admits students annually in the Fall. Once the applicant has been accepted into one program, the application folder is forwarded to the other program for review. After admission to both programs, the Graduate Admissions office instructs the Registrar's Office to classify the student as dually enrolled in anthropology and public health. In choosing which program to apply to first, students should take into consideration the following: requirements in Anthropology for admission are different than in Public Health; admission to one program doesn't guarantee admission to the other; and of course, the student's interests and career plans. Upon

completion of all requirements for the dual degree program, the student submits separate applications for graduation to anthropology and public health, and is certified for graduation by both programs and receives two diplomas. Dual degree students can also select elective courses to fulfill a concentration in I Bio-cultural medical anthropology.

#### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

#### Program Admission Requirements

Must meet all admissions criteria established by USF with the exception that applicants must have a 3.20 undergraduate GPA and 550V and 550Q, 4.0 AW on the GRE plus

- 1) a statement of purpose
- 2) a signed Research Ethics statement
- 3) at least 3 letters of recommendation
- 4) a resume
- 5) graduate assistant application form (optional)

Admission requirements for the Ph.D. in Public Health include at least a 3.0 GPA at both the undergraduate and graduate levels, and a GRE of 550V and 550Q, 4.0 AW.. In addition, admission to any of the dual degree programs will consider letters of recommendation, past experience, goal statement and availability of faculty.

**DEGREE PROGRAM REQUIREMENTS**

Contact Colleges for information.

**Graduate Concentration in Bio-cultural Medical Anthropology**

Graduate students in the M.A., Ph.D., or dual degree programs can select three graduate medical anthropology elective courses with the ANG prefix, one of which must be cross-listed with ANG 6511 (Seminar in Physical Anthropology). The following courses are regularly offered and can be taken as bio-medical electives:

ANG 6463      Social Epidemiology and  
Applied Anthropology

ANG 6565      Regional Problems in  
Medical Anthropology

ANG 6568      Applied Anthropology and  
International Health

ANG 6569      Selected Topics in Medical  
Anthropology (recent selected topics courses include  
Nutritional Anthropology, Ethnicity and Health Care,  
Community and Health Care, Social Epidemiology of  
AIDS, Cross-cultural Aspects of Aging, Forensic  
Anthropology (Cross listed with ANG 6511), Human  
Biology of Afro-Cuban Populations (cross-listed with  
ANG 6511), Theories and Methods in Applied Bio-  
anthropology.

Other electives as approved by advisor

Graduate students pursuing a concentration in Bio-cultural Medical Anthropology must take the basic course requirements of their graduate program.

**COURSES** - See <http://www.ugs.usf.edu/sab/sabs.cfm>

## APPLIED ANTHROPOLOGY PROGRAM

### Master of Arts (M.A.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

**Fall:** January 15  
Fall admission only

**Minimum Total Hours:** 40  
**Program Level:** Masters  
**Program Status:** Active

**CIP Code:** 45.0201  
**Dept Code:** ANT  
**Program (Major/College):** APA AS

**Concentrations available in:** Bio-cultural Medical Anthropology

#### CONTACT INFORMATION

**College:** Arts and Sciences  
**Department:** Anthropology  
**Program Director:** David Himmelgreen  
**Other Contact:** Daisy Matos  
**Phone:** 813-974-2138  
**Fax:** 813-974-2668  
**Email:** [anthro@cas.usf.edu](mailto:anthro@cas.usf.edu)  
**Web Address:**  
<http://www.cas.usf.edu/anthropology/index.html>

##### Mailing Address:

University of South Florida  
Anthropology  
Applied Anthropology Program  
4202 E. Fowler Avenue, SOC107  
Tampa, FL 33620

#### PROGRAM INFORMATION

The M.A. program, initiated in 1974, was the first in the country to focus on career training for the practice of Applied Anthropology. Faculty at USF specialize in various areas including medical anthropology, urban policy and community development, education, archaeology, cultural resource management (CRM), economic development, immigration, linguistics, media, and issues pertaining to race, gender, and ethnicity. Geographic specializations emphasize the Caribbean, Latin America and the United States. More than 200 graduates have received an education in anthropology and its practical uses, leading to employment in government and private sector agencies and organizations. For many, the MA is a terminal degree that qualifies them for professional careers in administration, program evaluation, planning, research, and cultural resource management. Others have gone on to earn doctoral degrees and have gained employment in academic or higher level nonacademic positions. A graduate concentration in Bio-cultural Medical Anthropology provides an applied bio-medical specialization.

Master's level anthropology at USF has two tracks, both leading to the M.A. in Applied Anthropology. One track emphasizes applied cultural anthropology and the other focuses on public archaeology. Although these two tracks share some common requirements, and both are bound by general rules of the USF Graduate School, they have different curricula and employment trajectories. Public Archaeology graduates typically enter careers in contract archaeology, or public and private agencies and museums responsible for managing archaeological resources. The applied cultural focus of the M.A. in Applied Anthropology is designed to lead to employment in

diverse areas that include health care, education, urban planning, human services, private sector consulting and research, and non-governmental community organizations. Museum and heritage programming represent an area of overlap between the two emphases. Students who wish to pursue these kinds of specialties will develop curricula that draw from both applied and public archaeology requirements in consultation with their advisors. MA students can select elective courses to fulfill a concentration in Bio-cultural medical anthropology.

For information regarding the dual degree M.A./MPH program with the College of Public Health, refer to the separate listing under Anthropology or Public Health

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### Major Research Areas:

Biocultural medical research in the U.S., Latin America, and Africa, media and visual anthropology, urban anthropology, Florida archaeology, Mesoamerican archaeology, archaeological science, cultural resource management, language shift and revitalization, bilingualism.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

Must meet all admissions criteria established by USF with the exception that applicants must have a 3.20 undergraduate GPA and 550V and 550Q, 4.0 AW on the GRE plus

- 1) a statement of purpose
- 2) a signed Research Ethics statement
- 3) at least 3 letters of recommendation
- 4) a resume
- 5) graduate assistant application form (optional)

**DEGREE PROGRAM REQUIREMENTS**

Total required hours (40)

Comprehensive exam requirement satisfied upon successful completion of Foundation II (ANG 6934)

**Core Requirements:**

**Applied Anthropology cultural track** MA students are required to take ANG 6931 (Foundation I), ANG 6934 (Foundation II), ANG 6701 (Contemporary Applied Anthropology), ANG 5488 Statistics, and ANG 6766 (Research Methods in Applied Anthropology), plus four (4) elective graduate seminars in Anthropology and one (1) graduate seminar outside the Anthropology Department.

**Public Archaeology track** MA students are required to take ANG 6931 (Foundation I), ANG 6934 (Foundation II), ANG 6198 (Archaeological Methods), ANG 6196 (Archaeological Theory), ANG 5488 Statistics, and ANG 6197 (Public Archaeology), plus two (2) electives in archaeology, one (1) elective in biological anthropology, and one (1) graduate seminar outside the Anthropology Department.

ANG 6915: MA Internship, 4 credit hours minimum.

ANG 6971: Thesis (6 credit hours), at least 2 credit hours per semester until thesis is accepted.

**Graduate Concentration in Bio-cultural Medical Anthropology**

Graduate students in the M.A., Ph.D., or dual degree programs can select three graduate medical anthropology elective courses with the ANG prefix, one of which must be cross-listed with ANG 6511 (Seminar in Physical Anthropology). The following courses are regularly offered and can be taken as bio-medical electives:

ANG 6463 Social Epidemiology and Applied Anthropology

ANG 6565 Regional Problems in Medical Anthropology

ANG 6568 Applied Anthropology and International Health

ANG 6569 Selected Topics in Medical Anthropology (recent selected topics courses include Nutritional Anthropology, Ethnicity and Health Care, Community and Health Care, Social Epidemiology of AIDS, Cross-cultural Aspects of Aging, Forensic Anthropology (Cross listed with ANG 6511), Human Biology of Afro-Cuban Populations (cross-listed with ANG 6511), Theories and Methods in Applied Bio-anthropology.

Other electives as approved by advisor

Graduate students pursuing a concentration in Bio-cultural Medical Anthropology must take the basic course requirements of their graduate program.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## APPLIED ANTHROPOLOGY PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

#### DEGREE INFORMATION

**Program Admission Deadlines:**

Fall: January 15  
Fall admission only

**Minimum Total Hours:** 60 beyond MA

**Program Level:** Doctoral

**Program Status:** Active

**CIP Code:** 45.0201

**Dept Code:** ANT

**Program (Major/College):** APA AS

**Concentrations available in:** Bio-cultural Medical Anthropology

#### CONTACT INFORMATION

**College:** Arts and Sciences

**Department:** Anthropology

**Program Director:** David Himmelgreen

**Other Contact:** Daisy Matos

**Phone:** 813-974-2138

**Fax:** 813-974-2668

**Email:** [anthro@cas.usf.edu](mailto:anthro@cas.usf.edu)

**Web Address:**

<http://www.cas.usf.edu/anthropology/index.html>

**Mailing Address:**

University of South Florida  
Anthropology  
Applied Anthropology Program  
4202 E. Fowler Avenue, SOC107  
Tampa, FL 33620

#### PROGRAM INFORMATION

The Ph.D. program in Applied Anthropology, initiated in 1984, was the first doctoral program of its kind. Its primary focus is to prepare students in the theories, methods, skills and techniques of applied anthropology. The program is designed to prepare students to conduct research, teach, and practice applied anthropology in both academic and nonacademic settings. Students participate in either a structured research internship or independent field research for two consecutive semesters. Collaborative agreements with the Colleges of Public Health, Medicine, Nursing, and Education, along with The Florida Mental Health Institute, Center for Urban Transportation Research, Area Center on Aging, Anchin Center, USF Community Initiative, Center for Globalization Research, Center for Disease Control and Prevention, the Center for Disaster Management and Humanitarian Assistance, Battelle Center for Health Studies, Hillsborough Children's Board, and the Latin American and Caribbean Studies Center provide students with access to a wide range of faculty experience and expertise. Ph.D. students can select elective courses to fulfill a concentration in Bio-cultural medical anthropology.

Within the Ph.D. program in Applied Anthropology is the Ph.D. archaeology track at the University of South Florida. This track is designed to meet the needs and demands of 21st century archaeology. It is a comprehensive program that builds on our highly successful M.A. program, and integrates the subfields of anthropology while providing in-depth coursework in archaeology and related disciplines. The program is designed to prepare students to conduct research, teach, and practice archaeology in public, private, and academic

sectors. Students participate in either a structured research internship or independent field research. Collaborative agreements with local, state and federal agencies and museums provide students with access to a wide range of internship and research opportunities. Faculty specialize in various area including historic and prehistoric archaeology in the United States, Latin America and Europe; archaeological science; cultural resource management and public archaeology; and museum studies.

For information regarding the dual degree Ph.D./MPH program with the College of Public Health, see the separate listing under Anthropology or Public Health.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools

**Major Research Areas:**

Biocultural medical research in the U.S., Latin America, and Africa, media and visual anthropology, urban anthropology, Florida archaeology, Mesoamerican archaeology, archaeological science, cultural resource management, language shift and revitalization, bilingualism

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

Must meet all admissions criteria established by USF with the exception that applicants must have a 3.20



undergraduate GPA and 550V, 550Q, and 4.0 AW on the GRE plus:

- 1) a statement of purpose
- 2) a signed Research Ethics statement
- 3) at least 3 letters of recommendation
- 4) a resume
- 5) graduate assistant application form (optional)

## DEGREE PROGRAM REQUIREMENTS

Total required hours: 60 hours beyond the M.A.

Course requirements:

1. Upon completion of any prerequisites: ANG 6931 (Foundation I) followed by ANG 6934 (Foundation II).
2. Foundations I and II.. Must receive a grade of "B" or better; satisfies preliminary examinations in four subfields upon successful completion of ANG 6934 (Foundation II)
3. For Ph.D. Applied track, five additional required courses within the Department of Anthropology: ANG 6490 (Seminar in Cultural Anthropology [when topic is Anthropological Theory Today]), ANG 6701 (Contemporary Applied Anthropology), ANG 6766 (Research Methods in Applied Anthropology), ANG 7704 (Legal and Ethical aspects of Applied Anthropology), ANG 7750 (Research Methods in Applied Anthropology [when the topic is quantitative methods]). For the Archaeology track: ANG 6198 (Archaeological Methods), ANG 6196 (Archaeological Theory and Current Issues), ANG 6197 (Cultural Resource management [if not take in the MA program]) and ANG 7750 (Research Methods in Applied Anthropology [when the topic is quantitative methods].)
4. Four elective graduate level Anthropology courses.

Tools of research

Two additional skills area; e.g., foreign languages, qualitative research methods.

### External specialization

Minimum of three graduate level courses taken outside the Department of Anthropology, with consent of advisor; students with M.A. degrees in disciplines other than Anthropology may, at the discretion of the Advisor and Supervisory Committee, use the M.A. if not in anthropology as proof of the external specialization.

### Language Requirement:

All Ph.D. students are required to demonstrate proficiency in a foreign language, the specifics to be determined by the student and the supervisory committee, taking into account the nature of the

student's research. Minimal proficiency is demonstrated by the ability to satisfactorily translate a selection of the scholarly literature in the foreign language, with the occasional aid of a dictionary. The supervisory committee may require additional levels of proficiency depending on the nature of individual student research. The language requirement must be satisfied no later than the date of the dissertation defense.

Qualifying examination covering area of specialization within applied anthropology and external specialization.

Two-semester internship or dissertation research ANG 7940 (Doctoral Internship in Applied Anthropology, minimum of 6 credit hours).

Dissertation, based on research or internship ANG 7980 (Doctoral Dissertation, minimum of 12 credit hours). Students are required to accumulate a minimum of 6 credits in dissertation hours during each 12-month period (e.g., Fall, Spring, Summer) until the degree is granted.

### Graduate Concentration in Bio-cultural Medical Anthropology

Graduate students in the M.A., Ph.D., or dual degree programs can select three graduate medical anthropology elective courses with the ANG prefix, one of which must be cross-listed with ANG 6511 (Seminar in Physical Anthropology). The following courses are regularly offered and can be taken as bio-medical electives:

ANG 6463	Social Epidemiology and Applied Anthropology
ANG 6565	Regional Problems in Medical Anthropology
ANG 6568	Applied Anthropology and International Health

ANG 6569 Selected Topics in Medical Anthropology (recent selected topics courses include Nutritional Anthropology, Ethnicity and Health Care, Community and Health Care, Social Epidemiology of AIDS, Cross-cultural Aspects of Aging, Forensic Anthropology (Cross listed with ANG 6511), Human Biology of Afro-Cuban Populations (cross-listed with ANG 6511), Theories and Methods in Applied Bio-anthropology.

Other electives as approved by advisor.

Graduate students pursuing a concentration in Bio-cultural Medical Anthropology must take the basic course requirements of their graduate program.

### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## AUDIOLOGY PROGRAM (POST-BACC)

### Master of Science (M.S.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
 Program is currently  
 inactive.

**Minimum Total Hours:** 35/36  
**Program Level:** Masters  
**Program Status:** Inactive

**CIP Code:** 51.0204  
**Dept Code:** CSD  
**Program (Major/College):** AUD AS

#### CONTACT INFORMATION

**College:** Arts and Sciences  
**Department:** Communication Science and  
 Disorders

**Program Director:** Gail S. Donaldson  
**Other Contact:** n/a  
**Phone:** 813-974-2006  
**Fax:** 813-974-0822  
**Email:** [gdonalds@cas.usf.edu](mailto:gdonalds@cas.usf.edu)  
**Web Address:**  
<http://www.cas.usf.edu/csd/index.htm>

**Mailing Address:**  
 University of South Florida  
 Communication Sciences and Disorders  
 Audiology Program  
 4202 E. Fowler Avenue, PCD1017  
 Tampa, FL 33620

---

**Inactive.** Currently, students are not being admitted to this program

## AUDIOLOGY PROGRAM

### Doctor of Audiology (Au.D.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

**Fall:** February 1  
Fall Admission Only

**Minimum Total Hours:** 128  
**Program Level:** Doctoral/Professional  
**Program Status:** Active

**CIP Code:** 51.0202  
**Dept Code:** CSD  
**Program (Major/College):** AYD AS

#### CONTACT INFORMATION

**College:** Arts and Sciences  
**Department:** Communication Science and Disorders

**Program Director:** Jennifer J. Lister  
**Other Contact:** Gail S. Donaldson  
**Phone:** 813-974-2006  
**Fax:** 813-974-0822  
**Email:** [gdonalds@cas.usf.edu](mailto:gdonalds@cas.usf.edu)  
**Web Address:** <http://www.cas.usf.edu/csd/index.htm>

**Mailing Address:**  
University of South Florida  
Communication Sciences and Disorders  
Audiology Program  
4202 E. Fowler Avenue, PCD1017  
Tampa, FL 33620

---

#### PROGRAM INFORMATION

The Au.D. is a four-year post-baccalaureate professional degree. The primary objective is to produce audiologists who are competent to perform the wide array of diagnostic, remedial, and other services associated with the practice of Audiology and who meet the new standards as mandated by the Council on Academic Accreditation of the American Speech-Language-Hearing Association.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools; the Council on Academic Accreditation of the American Speech-language-Hearing Association.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

1. Three (3) letters of recommendation
2. A 2-3 page letter of intent
3. GRE scores at or above the 33<sup>rd</sup> percentile on both Verbal and Quantitative sections. GRE writing score of 4.0 or better
4. GPA greater than or equal to 3.0 for last 60 hours of baccalaureate degree
5. Demonstration of competency in communication skills as determined by the chairperson or delegate.

---

#### DEGREE PROGRAM REQUIREMENTS

General University requirements for graduate work must be fulfilled and a minimum of 128 hours of regularly scheduled academic course work at the graduate level. In addition, students will enroll in sufficient graduate clinical practicum to meet a minimum of 2000 hours of clinical experience to fulfill the requirements of the American Speech-Language-Hearing Association. Also required for graduation are the attainment of a "B" or better in each graduate Audiology course, the attainment of clinical competence determined by a GPA of 3.0 in all clinical practica, satisfactory passage of annual comprehensive didactic and clinical oral examinations and the National Teacher Examination in the speciality of Audiology, and successful completion of an audiology doctoral project. A student with a bachelor's degree and appropriate prerequisites may enter the four-year post-baccalaureate program. A student with a master's degree, State License in Audiology or the Certificate of Clinical Competence in Audiology (CCC-A) may be admitted into an individualized program of study.

##### Audiology Science Core (17)

SPA 5506 Perspectives in Audiology (2)  
SPA 5303 Auditory Anatomy & Physiology (3)  
SPA 6930 Psychoacoustics (3)  
SPA 5132 Audiology Instrumentation (3)  
SPA 5506 Math & Physics for Speech & Hearing (3)  
SPA 6805 Research Procedures (3)

##### Audiology Practice Core (54)

SPA 5328 Audiological Rehabilitation (3)  
SPA 6318 Medical Audiology (3)  
SPA 6345 Principles of Amplification I (3)  
SPA 6348 Principles of Amplification II (3)

- SPA 6128 Speech Percep & Hearing Loss (3)  
 SPA 6305 Pediatric Audiology (3)  
 SPA 6314 Electrophysiology (3)  
 SPA 6317 Vestibular Eval & Treatment (3)  
 SPA 6324 Educational Audiology (3)  
 SPA 6360 Audiology Bus & Practice Mngmnt (3)  
 SPA 6553 Advanced Differential Diagnostics (3)  
 SPA 6354 Hearing Conservation (3)  
 SPA 7931 Cochlear Implants (3)  
 SPA 7931 Advanced Sensory Aids (3)  
 SPA 7931 Advanced Electrophysiology (3)  
 SPA 7931 Geriatric Audiology (3)  
 SPA 7931 Advanced Vestibular Seminar (2)  
 SPA 7931 Seminar: Adv. Medical Audiology (3)

**Practical Experience (57)**

- SPA 5506 Clinical Lab I (4)  
 SPA 5506 Clinical Lab II (4)  
 SPA 6505 Audiological Screening DX I (1)  
 SPA 6505 Aural Rehab for Audiology (1)  
 SPA 6505 Cerumen Management (1)  
 SPA 6505 Clinic I (5)  
 SPA 6505 Clinic II (5)  
 SPA 6505 Clinic III (5)  
 SPA 6505 Clerkship I (3)  
 SPA 6505 Clerkship II (3)  
 SPA 6505 Clerkship III (3)  
 SPA 6505 Externship I (9)

**Audiology Doctoral Project (9 minimum)**

- SPA 6930 Directed Research (6 minimum)  
 SPA 7931 Audiology Doctoral Project Seminar (3 minimum)

**Annual Examination**

Students in Audiology will be evaluated at the end of each year of coursework. The purpose of these examinations is twofold: 1) Determine eligibility for continuation in academic coursework and practical experiences; and 2) Determine areas of weakness that will require remediation. Individualized remediation programs will be designed, if needed, by the student under the supervision of the Audiology faculty and may include the completion of additional written papers, projects, and/or additional course work.

**Audiology Doctoral Project**

The major goal of the Audiology Doctoral Project (GDP) is master of the problem-solving process and the resulting improvement in the students' work/clinical setting. It is expected that the ADP will reflect information gained from the study areas and will be drawn from students' clinical specialty areas. This project is meant to be a "practical" experience, one that the student will make pertinent to the particular setting and meaningful in the student's professional development. The problem(s) that are selected for the ADP must relate to the area of professional or clinical specialization as well as work site. Starting in the Summer of the third year, the student must be continuously registered for the ADP Seminar. It is expected that all students will complete the ADP experience before the end of the third year of study. The ADP must be completed and defended prior to graduation.

**COURSES** See <http://www.ugs.usf.edu/sab/sabs.cfm>

## AURAL (RE)HABILITATION PROGRAM

### Master of Science (M.S.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
**Fall:** February 1

**Minimum Total Hours:** 59/60  
**Program Level:** Masters  
**Program Status:** Active

**CIP Code:** 51.0204  
**Dept Code:** CSD  
**Program (Major/College):** ARH AS

#### CONTACT INFORMATION

**College:** Arts and Sciences  
**Department:** Communication Sciences and Disorders

**Program Director:** Kelly Lamar Crain  
**Other Contact:** Vivian Maldonado  
**Phone:** 813-974-8334  
**Fax:** 813-974-0822  
**Email:** [kcrain@cas.usf.edu](mailto:kcrain@cas.usf.edu)  
**Web Address:** <http://www.cas.usf.edu/csd/index.htm>

#### Mailing Address:

University of South Florida  
 Communication Sciences and Disorders  
 Aural (Re)Habilitation Program  
 4202 E. Fowler Avenue, PCD1017  
 Tampa, FL 33620

---

#### PROGRAM INFORMATION

The Masters of Science Degree in Aural Rehabilitation is designed to enable students to obtain certification as a Teacher of the Hearing Impaired (K-12).

#### ADMISSION REQUIREMENTS

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

- (1) Three letters of recommendation
- (2) GRE scores of 52<sup>nd</sup> percentile in Verbal or a 52<sup>nd</sup> percentile on Writing and a 32<sup>nd</sup> percentile on quantitative.
- (3) GPA of 3.2 or higher in the last 60 hours of undergraduate coursework
- (4) A letter of intent, and
- (5) Applicant must also demonstrate competency in communication skills as determined by the chairperson or delegate.

#### DEGREE REQUIREMENTS

The M.S. program course of study in Aural Rehabilitation is currently under revision. Contact Dr. Kelly Crain for specific information.

**COURSES** See <http://www.ugs.usf.edu/sab/sabs.cfm>

## BIOLOGY PROGRAM

### Master of Science (M.S.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

**Fall:** January 1 for full consideration; however applications are accepted to March 15 (U.S. Applicants)  
January 1 (International)

**Spring:** August 1 (U.S. Applicants)  
July 1 (International)

**Minimum Total Hours:** 30  
**Program Level:** Masters  
**Program Status:** Active

**CIP Code:** 26.0101  
**Dept Code:** BIO  
**Program (Major/College):** BIO AS

##### Concentrations available in:

Conservation Biology (EBG), Coastal Marine Ecology (MBI), Cell and Molecular Biology (MBG)

#### CONTACT INFORMATION

**College:** Arts and Sciences  
**Department:** Biology  
**Program Director:** Henry R. Mushinsky  
**Other Contact:** Christine Smith  
**Phone:** 813-974-3250  
**Fax:** 813-974-3263  
**Email:** [csmith2@cas.usf.edu](mailto:csmith2@cas.usf.edu)  
**Web Address:** <http://www.cas.usf.edu/biology/>

##### Mailing Address:

University of South Florida  
Department of Biology  
Biology Graduate Program  
4202 E. Fowler Avenue, SCA110  
Tampa, FL 33620

---

#### PROGRAM INFORMATION

The Department of Biology was the first to offer the Ph.D. degree at the University of South Florida. The department is located in two modern, well-equipped buildings. Most research in cell and molecular, and microbiology is done by faculty housed in the Bio-Science facility, and most of the research in organismal biology and ecology is conducted by faculty housed in the Science Center. In addition, the department has common research facilities in two nearby buildings.

One theme that runs throughout the department is that of cooperation. Within the Department, faculty and graduate students often work together on broad ranging research projects that bring together many of the traditionally separate areas of biology. Many of the Department's cell and molecular biologists and ecologists are involved in cooperative research with their colleagues in Public Health, Nursing, and Medicine. Likewise, many of the Department's organismal biologists and ecologists are involved in cooperative research with colleagues in the Departments of Geology, Psychology, Geography, Marine Science, and the Environmental Science and Policy program. Often biology graduate students have faculty members from these other areas of USF as members of their graduate committees.

Because of the many undergraduate courses that require hands-on experimental laboratories, the Department supports many graduate students as Teaching Assistants. The Department values high quality teaching at all levels of instruction. Research Assistant positions also are available to support research with specific faculty members.

The departmental graduate director, or an assigned mentor, serves as the student's advisor until the student makes arrangements for a faculty member to serve as major professor. The selection of a major professor includes acceptance of the student by the faculty member. Applicants are strongly urged to contact faculty conducting research in the student's area of interest.

For all master's students, the major professor and at least two additional faculty constitute the student's supervisory committee, the major professor and at least one of the committee members must be from the Biology Department. For all Ph.D. students the major professor and at least three additional faculty constitute the student's supervisory committee. The major professor and three members must be from the Department of Biology. Supervisory committees must be established within two semesters after matriculation. Failure to do so will be cause for dismissal.

The Departmental Chairman, the College Dean and the Dean of the Graduate School must approve the Supervisory Committee. Once a major professor has been assigned and/or a student occupies or utilizes significant space or facilities for research or analogous scholarly activity directly pertinent to the generation of a thesis or dissertation, the student shall enroll for two (2) hours of research credit each semester (other than summer semester), until eligible to enroll in thesis or dissertation credits. No student shall be required to enroll for more than nine (9) graduate hours per semester.

A student must be registered for an appropriate load (in no case fewer than two [2] graduate hours) in the college for the semester in which all degree requirements are satisfactorily completed. A student who receives three grades below "B" in structured courses required by the advisory committee will be dropped from the program. Registration in courses entitled Directed Research, Thesis, or Dissertation must be with the approval of the major professor and must be commensurate with each student's research plan. Students may not register in Thesis: Master's or Dissertation: Doctoral until a Supervisory Committee has been formed. A student who enrolls in courses entitled Thesis: Master's or Dissertation: Doctoral but does not submit a thesis or dissertation will not be certified for graduation.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**Major Research Areas:** n/a

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

- 1) Must have 3.0 GPA last 60 hours of B.S. degree
- 2) Must have 500V, 600Q, 4.5AW on GRE and Biology Area Subject Exam.
- 3) All international students are required to submit the TOEFL test. Non-native English speaking graduate students must score at least 570 on the TOEFL and at least 50 on the TSE to be eligible for a teaching assistantship.
- 4) Acceptance by a faculty member in the Biology Dept. is MANDATORY. We encourage students to contact faculty via email to indicate an interest in the research being conducted in their laboratory. We will make every effort to pair potential graduate students with appropriate faculty, however, your direct contact with individual faculty is expected.

- 5) It is expected that candidates for the M.S./Ph.D. degrees will have completed courses equivalent to those required for the B.S. in Biology at U.S.F.

**Materials necessary for a complete application are listed below:**

The following items should be submitted in the envelope provided to:

**Biology Graduate Office  
University of South Florida  
4202 E. Fowler ave – SCA110  
Tampa, FL 33620-5150**

- 1) Completed application form with a non-refundable \$30 application fee. Send only checks or money order made payable to the "University of South Florida." The application and fee are valid for one year. Applications sent without the \$30 application fee will not be processed. There are no waivers or deferments granted for this fee. **PLACE CHECK IN THE ENVELOPE PROVIDED, SEAL ENVELOPE AND SIGN SEAL.**
  - 2) Two official transcripts in a sealed envelope from each post-secondary institution. Transcripts of work completed at USF will be secured by the Office of Admissions. Hence you need only to secure transcripts from other institutions for your application packet.
  - 3) Three letters of recommendation from faculty in sealed envelopes (on their university letterhead) with the envelope seal signed by the recommender. Students must also complete the enclosed **Student Recommendation Form** and submit it to the recommenders. If recommenders choose, they may send letters directly to the Office of Graduate Admissions.
  - 4) A brief essay stating your intended field of research and professional goals. Please indicate your specific research interests, in order that we may refer your application to appropriate biology faculty members. In your essay please list 2-3 biology faculty members that you would like to have review your file. Acceptance into the biology graduate program requires the identification of specific faculty who are willing to direct your research.
  - 5) **Application for teaching assistantship.** Failure to return this form will result in you not being considered for a teaching position. Please attach resume to **Teaching Assistant Application.**
- OFFICIAL test scores must be sent to USF directly from the testing agency. The University of South Florida's 4-Digit Institution Code is: 5828**
- 6) Official GRE scores. This exam must have been taken within the last five years. If you have

confirmation from ETS that scores have been sent to USF (USF must be listed), you may include a xerox copy of your confirmation notice in your application packet.

### DEGREE PROGRAM REQUIREMENTS

The M.S. degree requires completion of

1. structured coursework
2. a research thesis or a review paper
3. passing a comprehensive examination.

The Master's Degree Requirements should be completed in two to three years. The Department of Biology requires that all graduate work applied toward the completion of degree requirements be completed within a five year period after matriculation. Master's students are encouraged to gain teaching experience in at least one undergraduate course in the department. Thesis research should be publishable and students are encouraged to publish their findings. Overall degree requirements for the Master of Science (M.S.) are as follows:

- 1) Credit hour requirement: a total of 30 semester hour credits beyond the Baccalaureate Degree is required.
- 2) No minimum requirement for structured course work exists. The graduate student, major professor and student's graduate committee will establish the specific course requirement for each student.
- 3) A minimum of eight (8) thesis research credit hours is required.
- 4) Submission of a thesis proposal and approval by the major professor, graduate committee and graduate director.
- 5) Successful completion of the oral examination. The exam should be taken at the end of the first year, or early in the second year of study. The examination is administered and evaluated by the student's graduate committee.
- 6) Seminar requirement: one presentation, excluding the thesis seminar and defense. Students should

present posters or oral presentations based on their thesis research at national/regional professional meetings. The student's graduate committee must approve the presentation.

- 7) Submission of an acceptable thesis.
- 8) Presentation of the thesis seminar (BSC 6935) and successful defense of the thesis.

**Non-Thesis** - For students enrolled in the non-thesis program, a 30-hour minimum is required at the 5000-6000 level; 26 hours must be in formally structured courses, 16 hours must be at the 6000 level; 15 structured hours must be in Biology. A review paper of a topic approved by the supervisory committee is required.

**Comprehensive Examination.** A final comprehensive examination is required for all master's students. This examination is open to all departmental faculty. Students must take their comprehensive exam within two years of matriculation and the exam is normally taken after the completion of all formal course work. Thesis students must take the examination at least one semester before the thesis is presented. Any graduate work counted toward the requirement for the M.S. degree must be completed within five (5) years after matriculation.

All Master's Degree students must present a seminar to the Department of Biology and must be enrolled in BSC 6935, during the final semester. The seminar should be a concise summary of the research completed to satisfy the requirements for the M.S. Degree. The seminar is open to the general public and must be announced two weeks prior to the presentation. Upon completion of the seminar, the general public will be invited to ask questions. At the discretion of the student's graduate committee, members of the committee may continue to question the graduate student after the general public has departed the seminar room. Each student is expected to defend his/her research to the unanimous satisfaction of the graduate committee.

### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>



## BIOLOGY PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

**Fall:** January 1 for full consideration; however applications are accepted to March 15 (U.S. Applicants)  
January 1 (International)

**Spring:** August 1 (U.S. Applicants)  
July 1 (International)

**Minimum Total Hours:** 90  
**Program Level:** Doctoral  
**Program Status:** Active

**CIP Code:** 26.0101  
**Dept Code:** BIO  
**Program (Major/College):** BIO AS

##### Concentrations available in:

Conservation Biology (EBG), Coastal Marine Ecology (MBI), Cell and Molecular Biology (MBG)

#### CONTACT INFORMATION

**College:** Arts and Sciences  
**Department:** Biology  
**Program Director:** Henry R. Mushinsky  
**Other Contact:** Christine Smith  
**Phone:** 813-974-3250  
**Fax:** 813-974-3263  
**Email:** [csmith2@cas.usf.edu](mailto:csmith2@cas.usf.edu)  
**Web Address:** <http://www.cas.usf.edu/biology/>

##### Mailing Address:

University of South Florida  
Department of Biology  
Biology Graduate Program  
4202 E. Fowler Avenue, SCA110  
Tampa, FL 33620

---

#### PROGRAM INFORMATION

The Department of Biology was the first to offer the Ph.D. degree at the University of South Florida. The department is located in two modern, well-equipped buildings. Most research in cell and molecular, and microbiology is done by faculty housed in the Bio-Science facility, and most of the research in organismal biology and ecology is conducted by faculty housed in the Science Center. In addition, the department has common research facilities in two nearby buildings.

One theme that runs throughout the department is that of cooperation. Within the Department, faculty and graduate students often work together on broad ranging research projects that bring together many of the traditionally separate areas of biology. Many of the Department's cell and molecular biologists and ecologists are involved in cooperative research with their colleagues in Public Health, Nursing, and Medicine. Likewise, many of the Department's organismal biologists and ecologists are involved in cooperative research with colleagues in the Departments of Geology, Psychology, Geography, Marine Science, and the Environmental Science and Policy program. Often biology graduate students have faculty members from these other areas of USF as members of their graduate committees.

Because of the many undergraduate courses that require hands-on experimental laboratories, the Department

supports many graduate students as Teaching Assistants. The Department values high quality teaching at all levels of instruction. Research Assistant positions also are available to support research with specific faculty members.

The departmental graduate director, or an assigned mentor, serves as the student's advisor until the student makes arrangements for a faculty member to serve as major professor. The selection of a major professor includes acceptance of the student by the faculty member. Applicants are strongly urged to contact faculty conducting research in the student's area of interest.

For all master's students, the major professor and at least two additional faculty constitute the student's supervisory committee, the major professor and at least one of the committee members must be from the Biology Department. For all Ph.D. students the major professor and at least three additional faculty constitute the student's supervisory committee. The major professor and three members must be from the Department of Biology. Supervisory committees must be established within two semesters after matriculation. Failure to do so will be cause for dismissal.

The Departmental Chairman, the College Dean and the Dean of the Graduate School must approve the Supervisory Committee. Once a major professor has been

assigned and/or a student occupies or utilizes significant space or facilities for research or analogous scholarly activity directly pertinent to the generation of a thesis or dissertation, the student shall enroll for two (2) hours of research credit each semester (other than summer semester), until eligible to enroll in thesis or dissertation credits. No student shall be required to enroll for more than nine (9) graduate hours per semester.

A student must be registered for an appropriate load (in no case fewer than two [2] graduate hours) in the college for the semester in which all degree requirements are satisfactorily completed. A student who receives three grades below "B" in structured courses required by the advisory committee will be dropped from the program. Registration in courses entitled Directed Research, Thesis, or Dissertation must be with the approval of the major professor and must be commensurate with each student's research plan. Students may not register in Thesis: Master's or Dissertation: Doctoral until a Supervisory Committee has been formed. A student who enrolls in courses entitled Thesis: Master's or Dissertation: Doctoral but does not submit a thesis or dissertation will not be certified for graduation.

#### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

#### Program Admission Requirements

- 1) Must have 3.0 GPA last 60 hours of B.S. degree
- 2) Must have 500V, 600Q, 4.5AW on GRE and Biology Area Subject Exam .
- 3) All international students are required to submit the TOEFL test. Non-native English speaking graduate students must score at least 570 on the TOEFL and at least 50 on the TSE to be eligible for a teaching assistantship.
- 4) Acceptance by a faculty member in the Biology Dept. is MANDATORY. We encourage students to contact faculty via email to indicate an interest in the research being conducted in their laboratory. We will make every effort to pair potential graduate students with appropriate faculty; however, your direct contact with individual faculty is expected.
- 5) It is expected that candidates for the M.S./Ph.D. degrees will have completed courses equivalent to those required for the B.S. in Biology at U.S.F.

#### Materials necessary for a complete application are listed below:

The following items should be submitted in the envelope provided to:

**Biology Graduate Office  
University of South Florida  
4202 E. Fowler ave – SCA110  
Tampa, FL 33620-5150**

- 1) Completed application form with a non-refundable \$30 application fee. Send only checks or money order made payable to the "University of South Florida." The application and fee are valid for one year. Applications sent without the \$30 application fee will not be processed. There are no waivers or deferments granted for this fee. **PLACE CHECK IN THE ENVELOPE PROVIDED, SEAL ENVELOPE AND SIGN SEAL.**
  - 2) Two official transcripts in a sealed envelope from each post-secondary institution. Transcripts of work completed at USF will be secured by the Office of Admissions. Hence you need only to secure transcripts from other institutions for your application packet.
  - 3) Three letters of recommendation from faculty in sealed envelopes (on their university letterhead) with the envelope seal signed by the recommender. Students must also complete the enclosed **Student Recommendation Form** and submit it to the recommenders. If recommenders choose, they may send letters directly to the Office of Graduate Admissions.
  - 4) A brief essay stating your intended field of research and professional goals. Please indicate your specific research interests, in order that we may refer your application to appropriate biology faculty members. In your essay please list 2-3 biology faculty members that you would like to have review your file. Acceptance into the biology graduate program requires the identification of specific faculty who are willing to direct your research.
  - 5) **Application for teaching assistantship.** Failure to return this form will result in you not being considered for a teaching position. Please attach resume to **Teaching Assistant Application.**
- OFFICIAL test scores must be sent to USF directly from the testing agency. The University of South Florida's 4-Digit Institution Code is: 5828**
- 6) Official GRE scores. This exam must have been taken within the last five years. If you have confirmation from ETS that scores have been sent to USF (USF must be listed), you may include a xerox

copy of your confirmation notice in your application packet.

## DEGREE PROGRAM REQUIREMENTS

The Ph.D. degree requires completion of:

1. structured coursework
2. qualifying exam and Admission to Candidacy
3. Oral Defense and Dissertation

### Coursework

Individuals who receive the M.S. degree from the Department of Biology at USF may waive ten (10) credits, with the approval of the supervisory committee. Six (6) hours of graduate work done in a master's program at another institution may be waived from the doctoral program, with approval of the supervisory committee. Twelve (12) hours of graduate work completed while a non-degree seeking student at this institution may be transferred to the doctoral program, with approval of the supervisory committee. A total of 90 credits beyond the baccalaureate must be earned; this includes any graduate credit earned prior to admission to the doctoral program. A minimum of three years of graduate work beyond the Baccalaureate Degree is required.

At least one academic year of residence must be on the campus. A year of residence is enrollment in a minimum of nine (9) semester credits for two consecutive semesters. The direction and immediate supervision of graduate work for doctoral students resides with the major professor and student's graduate committee. Graduate students are not admitted unless a major professor has agreed to serve as the student's supervisor. The University imposes limitations on the time period between admission to candidacy and successful completion of degree requirements.

*EDITOR'S NOTE: University policy for time limits may be viewed in the Degree Requirements Section of this catalog.*

The Department of Biology requires that all graduate work applied toward the completion of degree requirements be completed within a seven year period after matriculation. Doctoral students are encouraged to gain teaching experience in at least two undergraduate courses in the department. Overall degree requirements for the Doctor of Philosophy are as follows:

1. Credit hour requirement: A total of 90 semester hour credits beyond the Baccalaureate degree is required.
2. No minimum requirement for structured coursework exists. The graduate student, major professor and graduate committee will establish the specific course requirement for each graduate student.

3. A minimum of twenty-four (24) dissertation research credit hours is required.
4. Submission of a doctoral proposal and approval by major professor, graduate committee, and graduate director
5. Successful completion of the preliminary doctoral examination. The exam consists of a written and oral portion, and is written and graded by the graduate committee
6. Presentation requirement: two presentations, excluding the doctoral seminar and defense. Students should present posters or oral presentations based on their dissertation research at national/regional professional meetings. The graduate committee must approve the presentation.
7. Publication requirement: one research paper must be submitted for publication to a refereed scientific journal by the date of the Doctoral Seminar and Defense. The paper may be sole or coauthored, but it must be based on the dissertation research. The graduate committee must approve the paper prior to submission.
8. Submission of an acceptable dissertation
9. Presentation of the doctoral seminar (BSC 7636) and successful defense of the dissertation.

### Admission to Candidacy

The doctoral student is eligible for admission to candidacy after completing structured course requirements and passing the qualifying examination, upon recommendation of the supervisory committee and approval of the Dean of the College and the Dean of the Graduate School. Following admission to candidacy, a student must enroll in BSC 7980 when engaged in research, data collection, or writing activities relevant to the doctoral dissertation. Advisors should assign the number of credits in this course in accordance with the six credit hour policy and appropriate to the demands made on faculty, staff, and University facilities, but in no event will the total number of earned dissertation credits be fewer than 16. Students not admitted to candidacy are not eligible to enroll in BSC 7980.

### Additional Requirements

Any graduate work counted toward fulfilling the requirements for the Ph.D. degree must be completed within seven (7) years after matriculation. A public seminar presenting the dissertation is required. A final oral examination administered and evaluated by the supervisory committee emphasizes the dissertation and the student's general field of research is also required. A

doctoral student must enroll in BSC 7636 the semester that they are presenting their Ph.D. dissertation.

**Doctoral Seminar and Defense.**

All doctoral students must present a seminar to the Department of Biology and must be enrolled in BSC 7636, during the final semester. The seminar should be a concise summary of the research completed to satisfy the requirements for the Ph.D. The seminar is open to the general public and must be announced two weeks prior to the presentation. Upon completion of the seminar, the general public will be invited to ask questions. At the discretion of the student's graduate committee, members of the committee may continue to question the graduate student after the general public has departed the seminar room. Each student is expected to defend his/her research to the unanimous satisfaction of the graduate committee.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## CHEMISTRY PROGRAM (NON-THESIS OPTION)

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 1
<b>Summer:</b>	January 1

<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	40.0501
<b>Dept Code:</b>	CHM
<b>Program (Major/College):</b>	CHA AS

**Concentrations available in:**

Analytical Chemistry, Biochemistry, Computational Chemistry, Environmental Chemistry, Inorganic Chemistry, Organic Chemistry, Physical Chemistry, Polymer Chemistry

#### CONTACT INFORMATION

<b>College:</b>	Arts and Sciences
<b>Department:</b>	Chemistry
<b>Program Director:</b>	Brian Space
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-2144
<b>Fax:</b>	813-974-3203
<b>Email:</b>	<a href="mailto:chmgrad@chuma1.cas.usf.edu">chmgrad@chuma1.cas.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cas.usf.edu/chemistry/new/">http://www.cas.usf.edu/chemistry/new/</a>

**Mailing Address:**

University of South Florida  
 Department of Chemistry  
 Chemistry (non-thesis option) Program  
 4202 E. Fowler Avenue, SCA400  
 Tampa, FL 33620

---

#### PROGRAM INFORMATION

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**Major Research Areas:**

In addition to the five (5) traditional areas, research opportunities also are available in such interdisciplinary and specialized areas as Bio-organic and Bio-inorganic Chemistry, Environmental Chemistry, Nuclear Magnetic Resonance Spectroscopy, Computer Modeling, Polymers, Photochemistry, Marine Chemistry, Medicinal Chemistry, Electrochemistry, Nucleic Acid Chemistry, and Enzymology.

The Department of Chemistry offers Doctor of Philosophy, Master of Science, and Non-thesis Master of Arts degrees. The Chemistry graduate faculty is comprised of 19 full-time senior faculty members, all holding the Ph.D. degree. The combination of a large and strong faculty with a wide variety of courses and electives provides students with programs of study that can be tailored to fit individual needs, while maintaining a sound background in all general aspects of Chemistry. The excellent research facilities and very low student-faculty ratio combine to afford unique opportunities for advanced study in Chemistry.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

Applicants must have earned a B or BS degree in Chemistry.\* In addition, applicants must have

1. a combined score of 430V, 570Q, 3.0AW on the GRE. Subject exam is recommended, but not required.
2. a minimum of a 3.0 grade point average in the last two years of chemistry coursework
3. letters of recommendation from at least three or more people who know the student's academic background
4. and for applicants whose native language is not English, a minimum of 550 on the TOEFL exam and for such applicants a minimum of 50 on the TSE if also applying for an assistantship.

\*Applicants with other degrees will be considered on a case by case basis.

International students follow USF International Admissions deadlines. Domestic students rolling admission.

## DEGREE PROGRAM REQUIREMENTS

### General Program Requirements

Graduate students must maintain an overall grade point average (GPA) of 3.0 (B) in all courses. Any graduate student who falls below a 3.0 GPA at the end of any given semester will be placed on academic probation and has the next two semesters (excluding summers) to remedy the situation before being dismissed from the program. No grade below "C" will be accepted toward a graduate degree, but will be used in the computation of the overall GPA.

### Enforcement of Minimum Standards

The Graduate Council shall be responsible for ensuring that all graduate students meet the minimum standards as set down in the Graduate Student Handbook. The Graduate Coordinator will periodically review the standing of each student with regard to grade point average (GPA), academic progress, and (in the case of teaching assistants) teaching performance and notify the Graduate Council as necessary. Should disciplinary action appear in order, the student's major professor will be consulted (in order to obtain as many relevant facts as possible) before such action is taken.

### Probation

Students who fail to meet the minimum GPA (3.0 for all graduate courses) shall be placed on probation. The student's GPA must meet the minimum of 3.0 by the end of the semester in which probation was initiated or termination from the graduate program will result.

### Appeals

In actions based on departmental requirements, petitions and appeals shall be directed to the Chemistry Graduate Council through the student's major professor. (In case of a student who has not yet selected a major professor, the appeal may be carried out through the Graduate Coordinator or through some other chemistry faculty member selected by the student.) Unsuccessful appeals to the Chemistry Graduate Council may be further carried to the chemistry faculty as a whole, and from there to the Dean of the College and then to the University Graduate Council if necessary.

### Minimum Grades in Courses

Although all grades in graduate level courses will be used in computing the student's GPA, no grade below "C" may be counted toward fulfillment of the approved course of study. Consequently, any such course in which a student receives a grade below "C" must be repeated, or have the requirement waived by the Supervisory Committee. A student who receives three grades lower

than a "B" in structured courses required by his supervisory committee to meet the structured course requirement will be dropped from the program. A student who receives a grade of "U" while a chemistry graduate student will be placed on automatic probation. A second "U" grade is grounds for termination from the Program, and the Chemistry Graduate Council will automatically review the student's status. Students on probation are not excluded from having a teaching assistantships during the probationary semester.

### Seminars

All chemistry graduate students must satisfy the following minimum requirements for CHM 6935:

- enrollment every semester of the regular academic year during his/her career as a graduate student, or
- enrollment in seven (7) credit hours for the Ph.D.; four (4) credit hours for the Master's degree. A maximum of two unexcused absences will be permitted each semester, whichever is less. Under exceptional circumstances, students may petition for a waiver on a semester-by-semester basis if employment or other obligations conflict with the requirement.

### Master's Degree General Requirements

Students must meet all degree requirements as specified by the Graduate School. Study for the M.A and the M.S. should take between two and three calendar years beyond the baccalaureate degree to complete. Specific requirements include: a minimum of thirty (30) credit hours beyond the baccalaureate degree; sixteen (16) hours must be at the 6000 level.

### M.A. in Chemistry (Non-Thesis Option)

#### Program Requirements

- a) 26 hours must be in formally structured courses approved by the student's committee.
- b) Preparation of a review paper on a topic approved by the supervisory committee. The final paper must be approved by the supervisory committee.

### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## CHEMISTRY PROGRAM

### Master of Science (M.S.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 1
<b>Summer:</b>	January 1

<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	40.0501
<b>Dept Code:</b>	CHM
<b>Program (Major/College):</b>	CHM AS

**Concentrations available in:**

Analytical Chemistry (ACH), Biochemistry (BCH), Computational Chemistry (CPC), Environmental Chemistry (EVC), Inorganic Chemistry (IOG), Organic Chemistry (OCH), Physical Chemistry (PCH), Polymer Chemistry (POC)

**Also offered as a 5-year Program**


---

#### PROGRAM INFORMATION

The Department of Chemistry offers Doctor of Philosophy, Master of Science, and Non-thesis Master of Arts degrees. The Chemistry graduate faculty is comprised of 19 full-time senior faculty members, all holding the Ph.D. degree. The combination of a large and strong faculty with a wide variety of courses and electives provides students with programs of study that can be tailored to fit individual needs, while maintaining a sound background in all general aspects of Chemistry. The excellent research facilities and very low student-faculty ratio combine to afford unique opportunities for advanced study in Chemistry.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**Major Research Areas:**

In addition to the five (5) traditional areas, research opportunities also are available in such interdisciplinary and specialized areas as Bio-organic and Bio-inorganic Chemistry, Environmental Chemistry, Nuclear Magnetic Resonance Spectroscopy, Computer Modeling, Polymers, Photochemistry, Marine Chemistry, Medicinal Chemistry, Electrochemistry, Nucleic Acid Chemistry, Enzymology, Materials Chemistry and Chemical Education.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

---

#### CONTACT INFORMATION

<b>College:</b>	Arts and Sciences
<b>Department:</b>	Chemistry
<b>Program Director:</b>	Brian Space
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-2144
<b>Fax:</b>	813-974-3203
<b>Email:</b>	<a href="mailto:chmgrad@chumal.cas.usf.edu">chmgrad@chumal.cas.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cas.usf.edu/chemistry/new/">http://www.cas.usf.edu/chemistry/new/</a>

**Mailing Address:**

University of South Florida  
 Department of Chemistry  
 Chemistry Program  
 4202 E. Fowler Avenue, SCA400  
 Tampa, FL 33620

#### Program Admission Requirements

Applicants must have earned a B.A. or BS degree in Chemistry.\* In addition, applicants must have

1. official transcripts
2. a GRE score of 430V, 570Q, 3.0 AW The subject exam is recommended, but not required.
3. a minimum of a 3.0 grade point average in the last two years of chemistry coursework
4. letters of recommendation from at least three or more people who know the student's academic background
5. and for applicants whose native language is not English, a minimum of 550 on the TOEFL exam and for such applicants a minimum of 50 on the TSE if also applying for an assistantship.

\*Applicants with other degrees will be considered on a case by case basis.

International students follow USF International Admissions deadlines. Domestic students rolling admission.

## DEGREE PROGRAM REQUIREMENTS

### General Program Requirements

Graduate students must maintain an overall grade point average (GPA) of 3.0 (B) in all courses. Any graduate student who falls below a 3.0 GPA at the end of any given semester will be placed on academic probation and has the next two semesters (excluding summers) to remedy the situation before being dismissed from the program. No grade below "C" will be accepted toward a graduate degree, but will be used in the computation of the overall GPA.

### Enforcement of Minimum Standards

The Graduate Council shall be responsible for ensuring that all graduate students meet the minimum standards as set down in the Graduate Student Handbook. The Graduate Coordinator will periodically review the standing of each student with regard to grade point average (GPA), academic progress, and (in the case of teaching assistants) teaching performance and notify the Graduate Council as necessary. Should disciplinary action appear in order, the student's major professor will be consulted (in order to obtain as many relevant facts as possible) before such action is taken.

### Probation

Students who fail to meet the minimum GPA (3.0 for all graduate courses) shall be placed on probation. The student's GPA must meet the minimum of 3.0 by the end of the semester in which probation was initiated or termination from the graduate program will result.

### Appeals

In actions based on departmental requirements, petitions and appeals shall be directed to the Chemistry Graduate Council through the student's major professor. (In case of a student who has not yet selected a major professor, the appeal may be carried out through the Graduate Coordinator or through some other chemistry faculty member selected by the student.) Unsuccessful appeals to the Chemistry Graduate Council may be further carried to the chemistry faculty as a whole, and from there to the Dean of the College and then to the University Graduate Council if necessary.

### Minimum Grades in Courses

Although all grades in graduate level courses will be used in computing the student's GPA, no grade below "C" may be counted toward fulfillment of the approved course of study. Consequently, any such course in which a student receives a grade below "C" must be repeated, or have the requirement waived by the Supervisory Committee. A student who receives three grades lower than a "B" in structured courses required by his supervisory committee to meet the structured course requirement will be dropped from the program. A student who receives a grade of "U" while a chemistry graduate student will be placed on automatic probation. A second "U" grade is grounds for termination from the Program, and the Chemistry Graduate Council will automatically review the student's status. Students on

probation are not excluded from having a teaching assistantships during the probationary semester.

### Seminars

All chemistry graduate students must satisfy the following minimum requirements for CHM 6935: enrollment every semester of the regular academic year during his/her career as a graduate student, or enrollment in seven (7) credit hours for the Ph.D.; four (4) credit hours for the Master's degree. A maximum of two unexcused absences will be permitted each semester, whichever is less. Under exceptional circumstances, students may petition for a waiver on a semester-by-semester basis if employment or other obligations conflict with the requirement.

### Master's Degree General Requirements

Students must meet all degree requirements as specified by the Graduate School. Study for the M.A and the M.S. should take between two and three calendar years beyond the baccalaureate degree to complete. Specific requirements include: a minimum of thirty (30) credit hours beyond the baccalaureate degree; sixteen (16) hours must be at the 6000 level.

### Program Requirements

- a) 20 hours of formally structured courses approved by the student's committee
- b) a research project resulting in a written thesis
- c) an oral thesis defense, which will serve as the final comprehensive examination required by the Graduate School

A graduate student working on a master's degree in a program that requires a thesis must register in course CHM 6973 or CHM 6971 when engaged in research, data collection, or writing activities relevant to the master's thesis. The number of credits in these courses must be appropriate to the demands made on faculty, staff, and university facilities. *Editor's note: for information on the University's enrollment policy relevant to a thesis, refer to the enrollment section of the Academic Policies in this catalog.*

### Final Thesis Defense

Each student should consult with their supervisory committee for deadlines in submitting the thesis prior to the defense. Thesis or dissertation defense are not normally scheduled during final exam week or during the weeks between regularly scheduled sessions. The thesis defense must be scheduled through the Chemistry Graduate Office at least two weeks in advance. The Chemistry Graduate Office will then announce the defense to the entire Chemistry Department. The candidate normally defends their thesis in the fourth or fifth year. *EDITOR'S NOTE: these deadlines are in addition to those imposed by the Graduate School. The Graduate School sets deadlines pertaining to thesis/dissertations each semester.*

**COURSES** See <http://www.ugs.usf.edu/sab/sabs.cfm>



## CHEMISTRY PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 1
<b>Summer:</b>	January 1

<b>Minimum Total Hours:</b>	90
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active

<b>CIP Code:</b>	40.0501
<b>Dept Code:</b>	CHM
<b>Program (Major/College):</b>	CHM AS

**Concentrations available in:**

Analytical Chemistry (ACH), Biochemistry (BCH), Computational Chemistry (CPC), Environmental Chemistry (EVC), Inorganic Chemistry (IOG), Organic Chemistry (OCH), Physical Chemistry (PCH), Polymer Chemistry (POC)

#### CONTACT INFORMATION

<b>College:</b>	Arts and Sciences
<b>Department:</b>	Chemistry
<b>Program Director:</b>	Brian Space
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-2144
<b>Fax:</b>	813-974-3203
<b>Email:</b>	<a href="mailto:chmgrad@chumal.cas.usf.edu">chmgrad@chumal.cas.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cas.usf.edu/chemistry/new/">http://www.cas.usf.edu/chemistry/new/</a>

**Mailing Address:**

University of South Florida  
 Department of Chemistry  
 Chemistry Program  
 4202 E. Fowler Avenue, SCA400  
 Tampa, FL 33620

---

#### PROGRAM INFORMATION

The Department of Chemistry offers Doctor of Philosophy, Master of Science, and Non-thesis Master of Arts degrees. The Chemistry graduate faculty is comprised of 19 full-time senior faculty members, all holding the Ph.D. degree. The combination of a large and strong faculty with a wide variety of courses and electives provides students with programs of study that can be tailored to fit individual needs, while maintaining a sound background in all general aspects of Chemistry. The excellent research facilities and very low student-faculty ratio combine to afford unique opportunities for advanced study in Chemistry.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**Major Research Areas:**

In addition to the 5 traditional areas, research opportunities also are available in such interdisciplinary and specialized areas as Bio-organic and Bio-inorganic Chemistry, Environmental Chemistry, Nuclear Magnetic Resonance Spectroscopy, Computer Modeling, Polymers, Photochemistry, Marine Chemistry, Medicinal Chemistry, Electrochemistry, Nucleic Acid Chemistry, and Enzymology.

The Department of Chemistry offers Doctor of Philosophy, Master of Science, and Non-thesis Master of Arts degrees. The Chemistry graduate faculty is

comprised of 19 full-time senior faculty members, all holding the Ph.D. degree. The combination of a large and strong faculty with a wide variety of courses and electives provides students with programs of study that can be tailored to fit individual

needs, while maintaining a sound background in all general aspects of Chemistry. The excellent research facilities and very low student-faculty ratio combine to afford unique opportunities for advanced study in Chemistry.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

Applicants must have earned a B.A. or BS degree in Chemistry. Applicants with other degrees will be considered on a case by case basis. In addition, applicants must have

1. official transcripts
2. a GRE score of 430V, 570Q, 3.0 AW. The subject exam is recommended, but not required
3. a minimum of a 3.0 grade point average in the last two years of chemistry coursework

4. letters of recommendation from at least three or more people who know the student's academic background
5. and for applicants whose native language is not English, a minimum of 550 on the TOEFL exam and for such applicants a minimum of 50 on the TSE if also applying for an assistantship.

International students follow USF International Admissions deadlines. Domestic students rolling admission.

## DEGREE PROGRAM REQUIREMENTS

Entering students will have a Promotion to Candidacy Committee established upon entering the Ph.D. Program. The Committee advises students as to what courses they need to take in their first semester. There are no set course requirements, but the decision of the Committee is binding. Students will normally be expected to take the first semester of the first year covering "Tools of Research," including literature search and analysis, proposal writing, oral presentation skills, and laboratory instrumental techniques. The second semester of the course may be required by a student's promotion to Candidacy committee. Advanced courses in other subject areas may be assigned by the Committee, where appropriate. Final coursework decisions are made by the candidate's research advisor.

### Advisor Selection

Students need to choose a pre-Ph.D. candidate research advisor by the beginning of the second semester to begin pre-candidate research in that laboratory (See below). The student will then proceed to initiate a research project by the beginning of the second semester and through the first summer of study.

Selection of a research advisor is one of the most important decisions a student will make during the graduate career. In order to avoid hasty or poorly founded decisions each student must discuss potential research projects with at least three members of the chemistry faculty. Appropriate forms can be obtained from the Chemistry Graduate Office and should be completed and returned no later than the end of the second semester (excluding summer semester) after entering the program.

### Promotion to Candidacy

At the conclusion of the first year (before the start of the third semester), a written research document outlining progress to date and future plans is submitted to and approved by the Promotion to candidacy Committee. This proposal is subsequently defended in front of the committee. A successful defense results in Promotion to Ph.D. Candidacy, contingent upon the student being formally accepted into a research group. The committee must vote three quarters in favor of the candidate (for a

four person committee) or two thirds in favor (for a three person committee) for a pass. A vote of two or four members (or one of three) in favor results in a conditional pass, and the committee must set conditions to be met to promote the student within 30 days of the first meeting. At the discretion of the committee, the student not promoted to candidacy may be given a pass at a J.M.A. level of competency and proceed to obtain a terminal research master's degree or be terminated from the program. Appropriate forms to document promotion to candidacy must be completed and forwarded to the Graduate School. The forms may be obtained from the Chemistry Graduate Office.

### Dissertation Committee

Upon promotion the candidate must formally choose and declare a research adviser and a dissertation committee must be established initially with at least three members. An additional committee member from outside the department or university must be added before the final defense. The research advisor chairs the committee.

### Original Research Proposal

An original research proposal must be written and defended by the end of the first semester of the third year. At the discretion of the research adviser, the student's original research proposal may or may not be related to the student's current or future research. The student must be informed of the research adviser's preference in advance of seeking approval for the thesis topic. The dissertation committee formally approves the proposal and its defense. The candidate should meet with the dissertation committee members (individually or as a group) to discuss the proposal topic. The original research proposal should follow the format of a major federal granting agency appropriate to the nature of the proposed research. The format of the proposal, in conjunction with the topic, should be approved in advance by the dissertation committee. The written proposal must be given to the dissertation committee members two weeks in advance of the scheduled defense. After the defense, the committee must vote three quarters in favor of the candidate (for a four person committee) or two thirds in favor (for a three person committee) for a pass. A vote of two of four members (or one of three) in favor results in a conditional pass, and the committee must set conditions to be met to pass the candidate within 30 days of the first meeting. Students not passing will normally be terminated from the Ph.D. program.

### Research Data Presentation and Dissertation

By the end of the fourth year, a research data presentation must be made to dissertation committee and the committee formally advises the candidate on research milestones that need to be met before permission to "write up" the dissertation is granted. The permission to "write up" the dissertation can be given at any subsequent time. A peer-reviewed publication based upon the dissertation research is required to obtain the degree of Ph.D. Note: Extenuating circumstances will be reviewed on a cases-by-case basis.

**Final Dissertation Defense**

Each student should consult with their supervisory committee for deadlines in submitting the dissertation prior to the defense. Thesis or dissertation defense are not normally scheduled during final exam week or during the weeks between regularly scheduled sessions. The dissertation defense must be scheduled through the Chemistry Graduate Office at least two weeks in advance. The Chemistry Graduate Office will then announce the defense to the entire Chemistry Department. The candidate normally defends their dissertation in the fourth or fifth year.

*NOTE: these deadlines are in addition to those imposed by the Graduate School. The Graduate School sets deadlines pertaining to thesis/dissertations each semester.*

Candidates may be offered a departmental TA position in year five given satisfactory progress in research as judged by the dissertation committee and approval of the Department Chair. TA's are not normally awarded beyond year 5. RA's are only permitted beyond year six in exceptional cases with the written approval of the department chair. It is important to note that the Graduate School will not award tuition waivers for credit hours beyond 120 for students entering with a baccalaureate degree and 90 for students entering with a master's degree.

**Supervisory Committees**

The M.S. and M.A. supervisory committee should consist of at least three members including the major professor, and two other chemistry faculty members, at least one of whom is outside the student's major area (analytical, biochemistry, etc.) According to University Regulations, the Ph.D. supervisory committee must consist of at least four (4) members, including the student's research director. At least two (2) of the members must be from an area related to the student's research.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## CLASSICS: LATIN/GREEK PROGRAM

### Co-Op with University of Florida Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

Application is made through University of Florida

**Minimum Total Hours:** n/a  
**Program Level:** Masters  
**Program Status:** Active

**CIP Code:** 16.1200  
**Dept Code:** WLE  
**Program (Major/College):** CLS AS

#### CONTACT INFORMATION

**College:** Arts and Sciences  
**Department:** World Language Education  
**Program Director:** John Campbell  
**Other Contact:** n/a  
**Phone:** 813-974-2547  
**Fax:** n/a  
**Email:** n/a  
**Web Address:**  
<http://www.cas.usf.edu/classics/contact.html>

**Mailing Address:**

University of South Florida  
 Classics (co-op) Program  
 World Language Education  
 4202 E. Fowler Avenue,  
 Tampa, FL 33620

---

#### PROGRAM INFORMATION

Joint Co-op program with University of Florida

**Accreditation:** Contact Program for information.

#### ADMISSION INFORMATION

Admission through the University of Florida.

#### DEGREE PROGRAM REQUIREMENTS

Check with Program for information.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## COMMUNICATION PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

**Fall:** March 15  
**Spring:** November 1

**Minimum Total Hours:** 36  
**Program Level:** Masters  
**Program Status:** Active

**CIP Code:** 23.1001  
**Dept Code:** SPE  
**Program (Major/College):** SPE AS

#### CONTACT INFORMATION

**College:** Arts and Sciences  
**Department:** Communication  
**Program Director:** David Payne  
**Other Contact:** n/a  
**Phone:** 813-974-2145  
**Fax:** 813-974-6817  
**Email:** [dpayne@shell.cas.usf.edu](mailto:dpayne@shell.cas.usf.edu)  
**Web Address:**  
<http://www.cas.usf.edu/communication/index.html>

**Mailing Address:**

University of South Florida  
 Department of Communication  
 Communication Program  
 4202 E. Fowler Avenue, CIS1040  
 Tampa, FL 33620

---

#### PROGRAM INFORMATION

The Department of Communication offers a broad and integrated approach to communication studies that embraces the traditions of the humanities, the convergence of rhetorical and communication theory, and the relations among aesthetic, humanistic, and scientific approaches to inquiry. Students are encouraged to examine the pragmatics of rhetorical and communication theory in such settings as business and industry, government, education, medicine and health care, media, the arts, and the family. The department offers course work leading to the Master of Arts degree and the Doctor of Philosophy.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

Same as university requirements, plus two letters of recommendation; a writing sample, and a statement of interest. GRE is required, with at least 500V or other strong evidence of writing skills.

---

#### DEGREE PROGRAM REQUIREMENTS

**Core Requirements (3 hours)**

COM 6001 (3)

This course must be taken the first time it is offered after the student is admitted to the graduate program.

**Thesis Program (36 hours)** - In addition to the three (3) hours of core requirements, each student must also take COM 7325 and complete 24 hours of elective course work, three (3) hours of which may consist of a course or courses from other departments within this or other universities, and must have advisor approval. Each student must complete at least six (6) hours of thesis credit (SPC 6971) and submit an approved thesis.

**Non-Thesis Program (36 hours)** - In addition to the three (3) hours of core requirements, 33 hours of elective course work are required, nine (9) of which may be taken as a cognate area of study pending advisor approval and an approved plan of study.

**Comprehensive Examinations** - All students must pass both written and oral comprehensive examinations.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## COMMUNICATION PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

**Fall:** January 15  
Fall admission only.

**Minimum Total Hours:** 90/60  
**Program Level:** Masters  
**Program Status:** Active

**CIP Code:** 23.1001  
**Dept Code:** SPE  
**Program (Major/College):** SPE AS

#### CONTACT INFORMATION

**College:** Arts and Sciences  
**Department:** Communication  
**Program Director:** David Payne  
**Other Contact:** n/a  
**Phone:** 813-974-2145  
**Fax:** 813-974-6817  
**Email:** [dpayne@shell.cas.usf.edu](mailto:dpayne@shell.cas.usf.edu)  
**Web Address:**  
<http://www.cas.usf.edu/communication/index.html>

##### Mailing Address:

University of South Florida  
Department of Communication  
Communication Program  
4202 E. Fowler Avenue, CIS1040  
Tampa, FL 33620

#### PROGRAM INFORMATION

The Department of Communication offers a broad and integrated approach to communication studies that embraces the traditions of the humanities, the convergence of rhetorical and communication theory, and the relations among aesthetic, humanistic, and scientific approaches to inquiry. Students are encouraged to examine the pragmatics of rhetorical and communication theory in such settings as business and industry, government, education, medicine and health care, media, the arts, and the family. The department offers course work leading to the Master of Arts degree and the Doctor of Philosophy.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

Same as university requirements, plus two letters of recommendation; a writing sample, and a statement of interest. GRE is required with at least 500V or other strong evidence of writing skills.

#### DEGREE PROGRAM REQUIREMENTS

Core Requirements (6 hours)  
COM 6001 (3) COM 7325 (3)

In addition to the six (6) hours of core requirements, students are required to take a minimum of 39 hours of

coursework beyond the M.A. degree (not counting credits for dissertation research). Completion of the Ph.D. program in Communication normally requires a minimum of three years with at least one year in continuous full-time residence. To qualify for graduation from the Ph.D. program in Communication, a student must complete the following:

- 1) Establish a supervisory faculty committee approved by the Director of Graduate Studies and the Dean of the Graduate School.
- 2) Prepare a Plan of Study approved by the student's supervisory committee. The Plan of Study expresses the ways in which the student will show evidence of the following:
  - a) expertise in one of the central domains of communication study;
  - b) expertise in the research methodologies needed to carry out original research in the specialized area of concentration and;
  - c) 6 hours of coursework in an area of study outside the department.
- 3) Pass a written qualifying examination covering the student's area of specialization and methodological competence by the end of coursework. This examination will be prepared and evaluated by the student's supervisory committee.
- 4) Complete and defend a dissertation approved by the student's dissertation committee that must include at least one member of the graduate faculty outside the Department.

**COURSES** See <http://www.ugs.usf.edu/sab/sabs.cfm>

## COMMUNICATION SCIENCES AND DISORDERS PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

**Fall:** December 1  
Only admit one time per academic year.

**Minimum Total Hours:** 65-77  
**Program Level:** Doctoral  
**Program Status:** Active

**CIP Code:** 51.0204  
**Dept Code:** CSD  
**Program (Major/College):** CSD AS

##### Concentrations available in:

Hearing Sciences and Audiology (HAS)  
Neurocommunicative Sciences (NCS)  
Speech-Language Sciences (SLS)

#### CONTACT INFORMATION

**College:** Arts and Sciences  
**Department:** Communication Sciences and Disorders  
**Program Director:** Elaine Silliman  
**Other Contact:** n/a  
**Phone:** 813-974-2006  
**Fax:** 813-974-0822  
**Email:** [silliman@cas.usf.edu](mailto:silliman@cas.usf.edu)  
**Web Address:** <http://www.cas.usf.edu/csd/index.htm>

##### Mailing Address:

University of South Florida  
Communication Sciences and Disorders  
Ph.D. Program  
4202 E. Fowler Avenue, PCD1017  
Tampa, FL 33620

---

#### PROGRAM INFORMATION

The Department of Communication Sciences and Disorders provides disciplinary and interdisciplinary education to prepare research scientists capable of addressing both theoretical and applied issues in laboratory, clinical, and classroom settings. Academic preparation emphasizes basic and advanced study in the communicative sciences, interdisciplinary study, and extensive research preparation in quantitative and qualitative methodologies, ethics, and instrumentation. The program of study is tailored to meet individual interest areas. The overall aim of the doctoral program is to produce graduates who excel in meeting the rigorous demands of an academic/research career.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### Major Research Areas:

*Speech-Language Sciences:* Anatomy and physiology, speech perception and production processes, speech perception by normal hearing listeners and listeners with hearing loss, non-native speech, prosody, oral language and discourse development in at-risk populations, linguistic and discourse correlates for reading, writing, and spelling, second language learning and literacy learning, and language variation and multiculturalism;  
*Hearing Sciences I:* Aural rehabilitation, psychoacoustics, aging, temporal processing, speech perception by impaired listeners, auditory evoked potentials, and otoacoustic emissions;  
*Neurocommunicative Sciences:* aphasia, apraxia,

cognitive/linguistic processing in normal aging and adults with neurological disorders, and dysarthria.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

Same as university plus three letters of recommendation, a letter of intent, and GRE must be within the last 5 years with a score of 50 percentile or 470V, 30% or 520Q, 52% or 4.5AW.

#### DEGREE PROGRAM REQUIREMENTS

Students complete required and elective coursework in the following areas:

- |                                    |                 |
|------------------------------------|-----------------|
| 1. research and tools of research  | 15 credits min. |
| 2. core content                    | 12 credits min. |
| 3. concentration/specialized study | 12 credits min. |
| 4. cognate area                    | 6 credits min.  |
| 5. doctoral seminar                | 4 credits min.* |
| 6. dissertation                    | 12-24 credits** |

In certain cases, with approval of the Major Advisor and Program director, previously completed graduate level coursework may be applied towards requirements in the Core content or Specialized Study areas.

Completion of the Ph.D. in Communication Sciences and Disorders normally requires a minimum of three to four years of full-time study. In addition to specific degree

requirements, a student must complete the following to qualify for graduation:

1. Satisfactory completion of two research rotations with one rotation designed for laboratory experience and, the other, a pre-dissertation project.
2. With the supervision of a qualifying committee, pass a written qualifying examination that evaluates the student's speciality knowledge and methodological competence. At the discretion of the qualifying committee an oral examination may follow the written examination.
3. Establish a doctoral committee prior to admission into doctoral candidacy.
4. Prepare and defend a dissertation proposal.
5. Following completion of the dissertation research, successfully defend the work before the dissertation committee.

Departmental policy specifies that any student earning a C+ or less in two courses will be recommended for dismissal from the Ph.D. program.

#### **COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>



## CRIMINOLOGY PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

**Fall:** March 15  
**Spring:** September 30

**Minimum Total Hours:** 33  
**Program Level:** Masters  
**Program Status:** Active

**CIP Code:** 45.0401  
**Dept Code:** CJP  
**Program (Major/College):** CCJ AS

#### CONTACT INFORMATION

**College:** Arts and Sciences  
**Department:** Criminology  
**Program Director:** Christine Sellers  
**Other Contact:** n/a  
**Phone:** 813-974-9547  
**Fax:** 813-974-2803  
**Email:** [csellers@cas.usf.edu](mailto:csellers@cas.usf.edu)  
**Web Address:**  
<http://www.cas.usf.edu/criminology>

##### Mailing Address:

University of South Florida  
 Department of Criminology  
 4202 E. Fowler Avenue, SOC107  
 Tampa, FL 33620

---

#### PROGRAM INFORMATION

The M.A. in Criminology is a two-year program designed to provide the student with an in depth understanding of the major ideas, issues, theories, and research comprising the field of Criminology and Criminal Justice.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**Major Research Areas:** n/a

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

Same as university except that the students are required to have both a 3.0 upper division GPA and 430V, 470Q, 4.0AW on the GRE plus a candidates statement of purpose detailing:

- a) reasons for seeking admission for graduate degree in criminology
- b) future career plans and
- c) research interests.

In addition, a writing sample providing evidence of the candidates scholarly abilities and three letters of reference speaking to the applicants academic capabilities.

#### DEGREE PROGRAM REQUIREMENTS

All course work counted toward the degree must have the prior approval of the Graduate Program Director of the

Department of Criminology. Such work may include up to six (6) hours outside the department.

##### Thesis

33 hours of CCJ course work, which must include:  
 CCJ 6605 (4) Theoretical Approaches to Criminal Behavior  
 CCJ 6705(4) Research Methods in Criminology  
 CCJ 6706(4) Quantitative Analysis I  
 CCJ 6707 (4) Quantitative Analysis II  
 CCJ 6050 (1)\*\* ProSeminar in Criminology (taken twice for 1 hr each)  
 CCJ 6971 (6) Thesis Hours  
 Electives (9)

The thesis will consist of research that makes an original contribution to the scholarly literature and may be of either a quantitative or qualitative nature. An oral defense of the thesis is required after the final draft of the thesis has been accepted by the candidate's supervisory committee.

##### Non-Thesis: Comprehensive Examination

33 hours of CCJ course work, which must include:

CCJ 6605 Theoretical Approaches to Criminal Behavior (4)  
 CCJ 6705 Research Methods in Criminology (4)  
 CCJ 6706 Quantitative Analysis I (4)  
 CCJ 6707 Quantitative Analysis II (4)  
 CCJ 6050 ProSeminar in Criminology \*\*  
 (taken twice for 1 hr each)  
 CCJ 6974 (3)  
 CCJ 6905 (3)  
 Elective (12)

\*\* Should be taken during the first two semesters of the program.

**The Non-Thesis Comprehensive Examination Option**

is intended primarily for students who do not intend to continue their graduate education beyond the M.A. degree.

**Criminal Justice Administration Option (33 hrs total)**

CCJ 6605 Theoretical Approaches to Criminal Behavior (4)

CCJ 6705 Research Methods in Criminology (4)

CCJ 6706 Quantitative Analysis I (4)

CCJ 6456 Criminal Justice Administration (3)

5 elective courses (at least 2 CCJ and at least 2 PAD courses) (15 hours)

CCJ 6905 DIS-Problem-Solving Proposal (3 hours)

The Criminal Justice Administration Option is intended primarily for students who do not intend to continue their graduate education beyond the M.A. degree.

**COURSES** See <http://www.ugs.usf.edu/sab/sabs.cfm>

## CRIMINOLOGY PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

**Fall:** February 15

**Minimum Total Hours:** 90  
**Program Level:** Doctoral  
**Program Status:** Active

**CIP Code:** 45.0401  
**Dept Code:** CJP  
**Program (Major/College):** CCJ AS

#### CONTACT INFORMATION

**College:** Arts and Sciences  
**Department:** Criminology  
**Program Director:** Christine Sellers  
**Other Contact:** n/a  
**Phone:** 813-974-8281  
**Fax:** 813-974-2803  
**Email:** [csellers@cas.usf.edu](mailto:csellers@cas.usf.edu)  
**Web Address:**  
<http://www.cas.usf.edu/criminology/>

**Mailing Address:**

University of South Florida  
 Department of Criminology  
 Criminology Program  
 4202 E. Fowler Avenue, SOC107  
 Tampa, FL 33620

---

#### PROGRAM INFORMATION

The Ph.D. is a research degree granted in recognition of high achievement in criminology. This achievement requires accomplishments beyond the completion of coursework that demonstrate the ability to work independently and contribute to criminological knowledge.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

- 1) A bachelor's degree from a regionally accredited institution and a GPA of at least 3.0; or a master's degree from a regionally accredited institution and a GPA of at least 3.4 or better (on a 4.0 scale) during their graduate study.
- 2) A score of 430V, 470Q, 4.0AW or higher on the Graduate Record Exam (GRE) within the preceding five (5) years
- 3) Three (3) letters of recommendation speaking to the applicants academic capabilities
- 4) A candidate's statement detailing
  - a) reasons for seeking admission for a Ph.D. degree in criminology
  - b) future career plans and

c) research interests

- 5) a writing sample providing evidence of the candidates scholarly abilities. For persons with an M.A./M.S., evidence of completed master's thesis or Master's area paper, as well as a sample chapter from the thesis/area paper.
- 6) Students are admitted to the Ph.D. program once each year and begin their course of study with the start of the regular academic year each August (Fall semester).

#### DEGREE PROGRAM REQUIREMENTS

A total of 90 hours beyond the B.A./B.S., of which a minimum of 57\* hours must be completed at USF. The 90 hours required for the Ph.D. are as follows:

1. 21 core hours CCJ 6050 (2) CCJ 6605 (4) CCJ 6705(4), CCJ 6706(4) CCJ 6707 (4), and CCJ 6708 (3);
2. 36 elective hours, 9 of which must be in an area outside the department;
3. 6 hours meeting the Research Tool Requirement (see below);
4. 24 dissertation hours.

(\*Contact the Program Director to determine the minimum number of hours needed in you individual case.)

In addition to successfully completing these requirements, students are required to pass two doctoral comprehensive examinations, complete residency requirements (nine [9] hours each in the fall and spring), and write and defend a dissertation prospectus and dissertation.

**Tool Requirement**

In order to satisfy the department's research tool requirement, students in criminology must complete either a foreign language competency examination, or two of the following three courses (CCJ 6708, CCJ 6709, CCJ 6716).

**Comprehensive Examinations**

Students take two comprehensive examinations:

- (1) general comprehensive, and
- (2) specialty comprehensive.

The general comprehensive is an in-class or take-home examination that assesses the student's ability to employ theory, research methods, and statistical analysis. The specialty comprehensive is constructed by the student's doctoral committee, and may include in-class, written take-home, written research, or oral examination formats.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## ENGLISH PROGRAM

### Master of Arts (M.A.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

**Fall:** February 1 (Literature, Rhetoric and Composition)  
January 15 (Creative Writing- fall admissions only)

**Spring:** October 1 (Literature, Rhetoric and Composition)

**Minimum Total Hours:** 30-36  
**Program Level:** Masters  
**Program Status:** Active

**CIP Code:** 23.0101  
**Dept Code:** ENG  
**Program (Major/College):** ENG AS

##### Concentrations available in:

Literature (LIT), Rhetoric and Composition (RAC), Creative Writing (CRW)

#### CONTACT INFORMATION

**College:** Arts and Sciences  
**Department:** English  
**Program Director:** John Hatcher  
**Other Contact:** Lee Davidson  
**Phone:** 813-974-2421  
**Fax:** 813-974-2270  
**Email:** [enggrad@cas.usf.edu](mailto:enggrad@cas.usf.edu)  
**Web Address:** <http://www.cas.usf.edu/english/>

##### Mailing Address:

University of South Florida  
Department of English  
4202 E. Fowler Avenue, CPR 107  
Tampa, FL 33620-5550

#### PROGRAM INFORMATION

The M.A. in English with a concentration in Literature is designed primarily to train advanced students of literature. The program requires study of both literature and composition. The M.A. in English with a concentration in Rhetoric and Composition is designed primarily to train advanced students of literature and rhetoric. The M.A. in English with a concentration in Creative Writing is designed primarily to train advanced students of fiction and poetry writing.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### Major Research Areas:

n/a

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

###### Literature:

1. BA in English
2. GRE general exam: 600V, 4.0 AW
3. undergraduate major GPA 3.5, 3.3 last 2 years
4. three (3) letters of recommendation

5. a two-to-three page personal statement describing the student's background, purpose for attending graduate school, and career goals.

##### Rhetoric and Composition:

1. BA in English
2. GRE general exam: 600V, 4.0AW
3. undergraduate major GPA 3.5, 3.3 last 2 years
4. three (3) letters of recommendation
5. a two-to-three page personal statement describing the student's background, purpose for attending graduate school, and career goals.

##### Creative Writing:

1. BA in English
2. GRE general exam: 600V, 4.0AW
3. 3.5 major GPA 3.3 last two years
4. three (3) letters of recommendation
5. a two-to-three page personal statement describing the student's background, purpose for attending graduate school, and career goals.
6. a writing sample consisting of either 12-20 pages of double-spaced fiction or 10-15 pages of single-spaced poetry

#### DEGREE PROGRAM REQUIREMENTS

##### Program of Study 33 Credit Hours

ENG 6009 (3) (this should be taken early in the sequence)  
LAE 6375 (3)

**Concentration Courses****Literature**

ENG 6018 (3)  
ENG 6019 (3)

Two of the following: ENL 6206 (3) ENL 6216 (3) ENL 6226 (3) ENL 6228 (3) ENL 6236 (3) AML 6017 (3)

Two of the following: ENL 6246 (3) ENL 6256 (3) ENL 6276 (3) AML 6018 (3) AML 6027 (3) LIT 6096 (3)

**Thesis**-ENG 6971 (3) on a literary topic  
OR

Students may opt to write an M.A. Comprehensive exam on three literary periods (Students who opt to take the M.A. exam in place of the thesis do not need to enroll in thesis hours, but must enroll in a minimum of two directed research hours (ENG 6916) during the semester of graduation.)

**Rhetoric and Composition**

ENC 6336 (3)  
ENC 6700 (3) ENC 6720 (3)

Two courses (6) in American, British, or World Literature

Two electives (6) in Literature or Rhetoric and Composition

**Thesis** - ENG 6971 (3) M.A. Thesis/Project on a Rhetoric & Composition subject plus an oral defense  
OR

Students may opt to write an M.A. exam tailored to the student's particular research specialization (Students who opt to take the M.A. exam in place of the thesis do not need to enroll in thesis hours, but must enroll in a minimum of two directed research hours (ENG 6916) during the semester of graduation.)

**Creative Writing**

CRW 6130 (3)  
CRW 6331 (3)  
CRW 6236 (3)  
LIT 6096

One of the following:

CRW 6164 (3)  
CRW 6352 (3)

Three of the following:

AML 6017 (3) AML 6018 (3) AML 6027 (3)

AML 6607 (3) ENL 6206 (3) ENL 6126 (3)  
ENL 6226 (3) ENL 6228 (3) ENL 6236 (3)  
ENL 6246 (3) ENL 6256 (3) ENL 6276 (3)

Thesis – ENG 6971 (3)

**Comprehensive Examination**

All M.A. students in Literature who do not write a thesis must write a comprehensive exam on six literary periods. Specifics of the exam can be found at <http://www.cas.usf.edu/english/MAHandbook.pdf>. M.A. students in Rhetoric and Composition must orally defend a thesis OR opt to take an M.A. exam tailored to the student's particular research specialization (this option replaces the thesis requirement). M.A. students in Creative Writing do not have a comprehensive examination, but must submit a thesis following specific guidelines.

A student may transfer up to six (6) hours of credit from another university; up to 12 hours taken as a non-degree seeking student. Up to six (6) hours may be taken in another department (the courses to be approved in advance by the Department of English Graduate Committee). A student receiving one grade of "C" or lower in a graduate course will be placed on academic probation. A student receiving two grades of "C" or lower will be dismissed from the program, subject to a review by the departmental Graduate Committee.

**Graduate Certificate Program**

For information on Graduate Certificates please visit <http://www.outreach.usf.edu/gradcerts/>

**English Graduate Certificates Offered:****Creative Writing –**

contact Professor Rita Ciresi at [rciresi@cas.usf.edu](mailto:rciresi@cas.usf.edu)

**Comparative and Interdisciplinary Literary Studies –**

contact Dr. Susan Mooney at [smooney@cas.usf.edu](mailto:smooney@cas.usf.edu)

**Teaching Composition –**

contact Dr. Debra Jacobs at [djacobs@chumal.cas.usf.edu](mailto:djacobs@chumal.cas.usf.edu)

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## ENGLISH PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

**Fall:** February 1

**Minimum Total Hours:** 90/60

**Program Level:** Doctoral

**Program Status:** Active

**CIP Code:** 23.0101

**Dept Code:** ENG

**Program (Major/College):** ENG AS

**Concentrations available in:**

Literature (LIT), Rhetoric and Composition (RAC)

#### CONTACT INFORMATION

**College:** Arts and Sciences

**Department:** English

**Program Director:** John S. Hatcher

**Other Contact:** Lee Davidson

**Phone:** 813-974-2421

**Fax:** 813-974-2270

**Email:** [jhatcher@cas.usf.edu](mailto:jhatcher@cas.usf.edu)

**Web Address:** <http://www.cas.usf.edu/english/>

**Mailing Address:**

University of South Florida

Department of English

4202 E. Fowler Avenue, CPR 107

Tampa, FL 33620-5550

---

#### PROGRAM INFORMATION

The goal of this program is to produce teacher-scholars who have a sound general knowledge of British and American literature and a specialized knowledge of their fields of concentration. Each student in the program must take courses in teaching college English. These courses in teaching are practicums which include actual teaching experience.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

Literature/Rhetoric and Composition-

- 1) M.A. in English
- 2) GRE general exam: 650 V, 4.0AW
- 3) GPA 3.7 grad
- 4) three (3) letters of recommendation
- 5) a two-to-three page personal statement describing the student's background, purpose for attending graduate school, and career goals

- 6) A critical paper representing the student's work (unless published, this work should be a paper that the student has written for a university graduate English course, and it should be accompanied by a note from the professor confirming the course for which the paper was written)

#### DEGREE PROGRAM REQUIREMENTS

The Ph.D. in English involves a minimum of 30 hours of course work beyond the M.A. degree, exclusive of credits devoted to the foreign language and tools-of-research requirements and to the doctoral dissertation. Included in these hours, (if these courses have not been taken on the Master's level), are ENC 6319, ENG 6009, LAE 7376 – or LAE 7390, ENG 6018, and ENG 7939 (a seminar which must be taken twice. After completing the necessary course work a student must take a nine-hour written qualifying doctoral exam. Students passing this exam and fulfilling the foreign language/tools-of-research requirements are then admitted to doctoral candidacy. Students failing this exam more than once are dismissed from the program. Upon the completion and approval of the dissertation, the student will defend the dissertation in a two-hour oral examination. After successful completion of the dissertation and defense, the student will be awarded the doctoral degree.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## ENVIRONMENTAL SCIENCE AND POLICY PROGRAM

### Master of Science (M.S.) Degree

---

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 1
<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active
<b>CIP Code:</b>	3.0103
<b>Dept Code:</b>	ESP
<b>Program (Major/College):</b>	ESP AS

#### CONTACT INFORMATION

<b>College:</b>	Arts and Sciences
<b>Department:</b>	Environmental Science and Policy
<b>Program Director:</b>	L. Donald Duke
<b>Other Contact:</b>	Karen Schrader
<b>Phone:</b>	813-974-2739
<b>Fax:</b>	813-974-2184
<b>Email:</b>	<a href="mailto:ldduke@cas.usf.edu">ldduke@cas.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cas.usf.edu/esp/">http://www.cas.usf.edu/esp/</a>

#### Mailing Address:

University of South Florida  
 Department of Environmental Science and Policy  
 4202 E. Fowler Avenue, NES107  
 Tampa, FL 33620

---

#### PROGRAM INFORMATION

Contact the program for information.

#### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

1. Applicant must hold B.S. or B.A. degree in a relevant subject area
2. Applicant must submit transcripts of undergraduate degree and results of GRE taken at most 7 years before the application.
3. Applicant must submit a statement of interests, documenting capabilities, achievements, goals and intended area of academic and research concentration in the Department if admitted.
4. Applicant must submit at least three (3) letters of recommendation from persons familiar with the applicant's achievements, capabilities, and potential, including two persons qualified to judge the applicant's academic performance.
5. Program may have additional requirements; check before applying. It is strongly recommended that the applicant contact the Department's Graduate Program Director for guidance in applying to the M.S. Degree Program.

#### Program Admission Requirements

Same as university with the exception that student must have a GRE of 500V, 550Q and an upper division GPA of 3.0; or 550V, 600Q, GPA of 3.2 for full consideration for financial aid; if non-native English speaker, TOEFL of at least 600.

#### DEGREE PROGRAM REQUIREMENTS

The curriculum consists of 36 credits divided into three categories:

- |    |                        |            |
|----|------------------------|------------|
| 1) | Core Requirements      | 12 credits |
| 2) | Elective Requirements  | 15 credits |
| 3) | Research Requirements: | 9 credits  |

#### Core Requirements

- 1) **Applications/Tools:** Students select a course whose primary objective is mastery of research tools or methods with applications to research in the environmental field, subject to the approval of the Graduate Director and the student's Supervisory Committee. Courses that meet these criteria include:
  - a) **GEO 5177** – Geographic Information Systems for Non-Majors
  - a) **GEO 5157** – Advance Geographic Information Systems
  - b) **STA 5166** – Computational Statistics I (or other statistics course approved by the Graduate Director)
- 2) **Environmental Thought and Communication** – Students will learn about the history, scope, and meaning of the environmental movement. They will



be exposed to a wide variety of alternative perspectives as well as techniques of effective communication (This course is currently being offered by the Dept of Geography – GEO 6116)

- 3) **Advanced topics in Environmental Science** - Students select an advanced course from among ESP offerings designed to integrate scientific methods and apply scientific analyses to public policy decision-making.
- 4) **Graduate Seminar in Environmental Policy** (EVR 6034) – Students will learn to integrate policy related information from various disciplines including political science, economics, philosophy, geography, public administration, communication and education.

#### Elective Requirements

Students complete 15 credits (at least 4 regular classroom courses at the graduate level, with at most 1 Independent Study or Directed Reading) in a coherent and clearly defined area relevant to their research interests, subject to the approval of the Department Graduate Director and the student's Faculty Supervisory Committee. Areas in which students may decide to complete their electives, where courses are supported by the ESP Department and/or affiliated Departments, include:

1. **Ecology** The Department features a particular concentration in the areas of landscape ecology, wildlife ecology and management, concentration biology, ecological modeling, and field methods..
2. **Environmental Policy and Management.**
3. **Geology.** The Department features a particular concentration in Karst geology and public policy planning in Karstic environments, and another concentration in the area of paleogeology..
4. **Hydrogeology.** 15 credits as required by the Graduate Certificate in Hydrogeology, as specified by the Department of Geology.
5. **Natural Hazards Assessment and Mitigation.**
6. **Urban Environment.**
7. **Water Quality and Policy.** The Department features a particular concentration in

watershed-based water quality assessment; and water quality policy..

8. **Other areas will be considered..**

#### Research Requirements

The M.S. in ESP is a research-oriented degree. All students complete either a Thesis, or a Project, either of which constitutes an original scholarly contribution and is conducted under the direction of a Major Professor and a 3- member Faculty Supervisory Committee (of which the Major Professor serves as chair). The Project is completed only by students who are working full-time for an environmental agency or firm, and is supervised by a professional in the field as well as by the Supervisory Committee. Students form their Supervisory Committee before completion of 18 credits of coursework, typically near the end of their first full year in the Program. Students complete a Thesis Proposal or Project Proposal, subject to approval of the Supervisory Committee, and pass an oral comprehensive examination, typically in the form of an oral defense of the Thesis Proposal or Project Proposal, typically early in the second year of studies. Students defend their Thesis or Project in an oral presentation, and submit a written document for the approval of the Supervisory Committee, which is then submitted to the University as a requirement for earning the degree.

The research requirements include the following coursework, for a minimum total of 9 credit hours:

- 1) Directed Research (Thesis Preparation, EVR (6920): Students complete at least 6 credit hours of thesis research under the direct supervision of their major professor, typically during the second year of studies. After completion of all Core and Elective requirements, students remain enrolled in at least 2 credit hours per semester of EVR 6920 until the completion and submittal of the Thesis or Project, which completes the requirements for the degree. Throughout this period students must work in close cooperation with their major professor and Supervisory Committee, and provide the Committee a summary of progress at least once per semester.
- 2) Thesis Research Presentation Methods (EVR 6921), 2 credit hours
- 3) Research Colloquium (EVER 6930), 1 credit hour

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## ENVIRONMENTAL SCIENCE AND POLICY PROGRAM

### Geography and Environmental Science and Policy

#### Dual Degree Program

#### Doctor of Philosophy (Ph.D.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

**Fall:** March 1  
Fall admission only.

**Minimum Total Hours:** 90/60  
**Program Level:** Doctoral  
**Program Status:** Active

**CIP Code:** 45.0799  
**Dept Code:** GEP  
**Program (Major/College):** GEP AS

#### CONTACT INFORMATION

**College:** Arts and Sciences  
**Departments:** Environmental Science and Policy and Geography  
**Program Director:** L. Donald Duke  
**Other Contact:** n/a  
**Phone:** 813-974-2739  
**Fax:** 813-974-2184  
**Email:** [llduke@cas.usf.edu](mailto:llduke@cas.usf.edu)  
**Web Address:** <http://www.cas.usf.edu/esp/>

##### Mailing Address:

University of South Florida  
Environmental Science and Policy  
Environmental Science and Policy Program  
4202 E. Fowler Avenue, SCA238  
Tampa, FL 33620

#### PROGRAM INFORMATION

The Ph.D. degree in Geography and Environmental Science and Policy is an interdisciplinary program, the curriculum of which is designed to take advantage of the strengths of multiple University departments in critical areas of geography and the environment. Emphasis is placed on providing theoretical rigor and methodological skills enabling students to make significant and original research and policy contributions in an integrated interdisciplinary environment. In addition, the degree has a very strong applied component reflecting the Departments' strong emphases in working on solutions to real-world geographical and environmental problems.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### Major Research Areas:

Economics, Social, and Planning Issues in the Urban Environment  
Karst Science and Climate Change  
Natural/Technological Hazards and Health  
Landscape Ecology  
Water Resources and Policy

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below. Admission standards follow those of the MS programs in the constituting Departments.

#### Program Admission Requirements

- 1) Undergraduate degree in relevant field, with preparation in both science and policy
- 2) GRE at least 550V, 550Q. Preferred: GRE at least 600V, 600Q
- 3) GPA at least 3.0 in upper division undergraduate credits
- 4) If non-native English speaker, TOEFL of at least 600
- 5) Ability to conduct research in a field of current interest to departmental faculty

A minimum score of 550V, 550Q on the GRE and a minimum cumulative GPA of 3.0 at the undergraduate level or Masters' Degree from an accredited institution of higher learning. However, these are minimum criteria. Students desiring prompt admittance to the PhD program or those requesting financial support should obtain GRE scores in the range of 1200 or above (combined V + Q) and display outstanding classroom achievement. Applicants whose first language is not English must also submit a score of at least 600 on the Tests of English as a Foreign Language (TOEFL). See Department guidelines for application materials expected and other expected qualifications for admittance.

**DEGREE PROGRAM REQUIREMENTS**

The curriculum consists of 60 semester hours past the master's degree, or 90 hours past the bachelor's degree, and allows distinct concentration either in Environmental Science and Policy or in Geography. The curriculum consists of the following requirements:

- |                                     |    |
|-------------------------------------|----|
| 1. Core Requirements                | 9  |
| credits                             |    |
| 2. Area of Emphasis Electives       | 9  |
| credits                             |    |
| 3. Other Electives and Dissertation | 42 |
| credits                             |    |

**1. Core Requirements**

Students must complete all the following courses

- |                                      |   |
|--------------------------------------|---|
| a. Seminar in Natural Environments   | 3 |
| credits                              |   |
| b. Seminar in Urban Environments     | 3 |
| credits                              |   |
| c. Doctoral Dissertation Preparation | 3 |
| credits                              |   |

**2. Area of Emphasis Elective Courses**

Upon entering the Program, students select an area of emphasis from among the five Major Research Areas listed above. Students complete nine (9) credits of coursework within the area of emphasis as designated by the Graduate Director or by the student's major professor and Faculty Supervisory Committee. The coursework should be selected in a way that supports the student's intended dissertation research. A wide variety of advanced graduate courses are available at the University in each of the five areas of emphasis.

**3. Other Electives and Dissertation Credits**

Students complete 42 credit hours in the form of elective coursework, directed reading, independent study, or dissertation hours. The student's major professor and Faculty Supervisory Committee will advise students on the selection of the proper mix of coursework and other study to support the agreed upon dissertation research. It is likely that students will include coursework from a variety of departments to support the elective requirements, and students may choose to complete a Graduate Certificate in a particular field, from another department, as part of their studies. Students entering the Ph.D. program who have not completed a Masters Degree in either Geography or Environmental Science and Policy should expect to complete coursework equivalent to the requirements of one of those Masters programs.

**Ph.D. Candidacy and Dissertation**

A student will be admitted to candidacy following successful completion of comprehensive qualifying exams and the successful oral defense of a dissertation proposal. To complete the degree will require the full completion and oral defense of a comprehensive Ph.D. dissertation. See Program guidelines for detailed procedures on dissertation research, faculty supervision, structure of examinations and defenses, and completion of the dissertation.

**COURSES** See <http://www.ugs.usf.edu/sab/sabs.cfm>

See Program guidelines for additional information.

## FRENCH PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	33-36
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	16.0901
<b>Dept Code:</b>	WLE
<b>Program (Major/College):</b>	FRE AS

#### CONTACT INFORMATION

<b>College:</b>	Arts and Sciences
<b>Department:</b>	World Languages
<b>Program Director:</b>	Roberta Tucker
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-2548
<b>Fax:</b>	813-974-1718
<b>Email:</b>	<a href="mailto:FrenchMA@cas.usf.edu">FrenchMA@cas.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cas.usf.edu/languages/">http://www.cas.usf.edu/languages/</a>

##### Mailing Address:

University of South Florida  
World Languages  
French Program  
4202 E. Fowler Avenue, CPR 107  
Tampa, FL 33620

---

#### PROGRAM INFORMATION

Contact Program for Information.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

Same as university plus 2-3 letters of recommendation, a writing sample in French, and an oral interview in French (can be done by phone)

#### DEGREE PROGRAM REQUIREMENTS

1. Proficiency in a second foreign language.
2. Satisfactory completion of a written comprehensive examination on French language, literature, and civilization. This exam is based on a reading list.
3. FOW 6805 Bibliography
4. Course work following one of the plans listed below:
  - a. Plan A - 36 hours of graduate courses in French. No thesis.

- b. Plan B - 36 hours, of which 27-30 graduate hours must be in one language area and 6-9 in another area/department, as approved by the French Graduate Program Director. No thesis.
- c. Plan C - 27 semester hours in one language area plus a thesis, with 6 hours of FRE 6971.
- d. Plan D - 27 semester hours, with 18-21 hours of graduate-level course work in one language area and 6-9 in another area/department, as approved by the French Graduate Program Director. In addition: a thesis, with 6 hours of FRE 6971

#### OTHER INFORMATION

##### Special Summer Programs Overseas

The Department of World Languages in cooperation with the International Affairs Center, offers several summer study programs overseas. These include study in several locations in France and Canada. For complete details, contact the program advisors or the International Affairs Center.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## GEOGRAPHY PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

**Fall:** March 15 if the applicant is applying for a GA position; otherwise March 1

**Spring:** October 15 (with or without GA application)

**Minimum Total Hours:** 30

**Program Level:** Masters

**Program Status:** Active

**CIP Code:** 45.0701

**Dept Code:** GPY

**Program (Major/College):** GPY AS

##### Concentrations available in:

Geographic Information Systems and Spatial Analysis (TGP), Natural/Technological Hazards and Environmental Justice (EVG), Economic, Social and Planning Issues in the Urban Environment (USG)

##### Also offered as:

Graduate Certificate: Geographic Information System Certificate Program - go to <http://www.outreach.usf.edu/gradcerts/certinfo.asp?certname=GISS> for information.

#### CONTACT INFORMATION

**College:** Arts and Sciences  
**Department:** Geography  
**Program Directors:** Philip Reeder  
**Other Contact:** n/a  
**Phone:** 813-974-2386  
**Fax:** 813-974-4808  
**Email:** [preeder@cas.usf.edu](mailto:preeder@cas.usf.edu)  
**Web Address:** <http://www.cas.usf.edu/geography/index.html>

##### Mailing Address:

University of South Florida  
 Geography  
 Geography Program  
 4202 E. Fowler Avenue, NES107  
 Tampa, FL 33620

---

#### PROGRAM INFORMATION

Geography is the study of the human-environment relationship either in a global or more regional context. Physical geographers focus on physical/human interrelationships and the interconnections among the various physical environmental elements. Human geographers focus on human interactions with their own environmental constructions, both built and social. Physical and human geographers both rely on specific techniques, including cartography, geographic information systems, and field work, in their research. The Department of Geography provides the opportunity to pursue the study of geography with particular emphasis on applied work geared to help solve real world problems.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### Major Research Areas:

Economics, Social, & Planning in the Urban Environment

Karst Science, Meteorology, Climatology and Climate Change  
 Physical Geography  
 Natural/Technological Hazards and Health  
 Landscape Ecology  
 Water Resources and Policy  
 Geographic Information Science

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

Same as university plus two letters of recommendation, transcripts, a letter of intent, and a graduate assistant application if the applicant is applying for a GA position. GRE is not required, but is recommended for full financial consideration.

#### DEGREE PROGRAM REQUIREMENTS

The Department of Geography offers a Masters of Arts (M.A.) in Geography with a thesis and non-thesis option.

Students must complete a minimum of 30 semester hours of graduate level course work for the thesis option and 36 hours for the non-thesis option.

#### Required Core Courses (Nine Hours)

All students must take the following core courses:

GEO 6058 Geographic Literature and History (3 hrs)  
GEO 6920 Research Methods in Geography (3 hrs)

Based upon the student's area of interest, he/she must take one course from the following list of Quantitative or Qualitative course offerings:

#### Quantitative:

GEO 6166 Multivariate Statistical Analysis (3 hrs)

Another course can be substituted for GEO 6166 with the permission of the Graduate Program Director. Possible substitutions, based upon the student's area of interest can include, but is not limited to the following:

Geology: GLY 5865 Statistical Models in Geology (3)  
Biology: PCB 6455 Statistical Ecology (3 hrs)  
Statistics: STA 5166 Computational Statistics I (3 hrs)  
Sociology: SYA 6405 Sociological Statistics (3 hrs)

#### Qualitative:

American Studies:  
AMS 6156 Theories and Methods of Cultural Studies (3)

Communication:  
COM 6400 Communication Theory (3 hrs)

Philosophy:  
PHI 6305 Seminar in Epistemology (3 hrs)

Sociology:  
SYA 6315 Qualitative Research Methods (3 hrs)

Women's Studies:  
WST 6001 Feminist Issues, Research, Methods (3 hrs)

A GEA regional course is not required in the student's program of study, but students are strongly encouraged to complete at least one of these courses.

**Tracks.** Students specialize in one of the three tracks (A, B, and C) that the department offers. Students must select a minimum of three courses (9 credits) from the selected track

Thesis option students take six credit hours of electives at a level of 5000 or higher, keeping in mind that a minimum of ten hours is required at the 6000-level. At least one of the electives must be taken outside of the student's track excluding GEO 6908, 6918, and 6944. Electives may also be selected from courses offered outside of the Department, with the consent of the

student's advisor and the graduate program director. A maximum of six approved hours taken outside the department can be used in the student's degree program. The remaining 6 credit hours are taken as Thesis (GEO 6971). Students in the thesis option can only apply three credit hours of Internship (GEO 6944), and three credit hours of Directed Research (GEO 6918) or Independent Research (GEO 6908) toward his/her degree program. Upon completion of a minimum of 15 hours students are required to defend a thesis proposal. He/she must also complete a thesis defense during the semester they plan to graduate, and they must be enrolled in a minimum of 2 semester hours of thesis credit during the semester in which a thesis is submitted to the Graduate School.

Non-thesis option students complete a total of 36 hours, with 27 hours of electives completed at a level of 5000 or higher, keeping in mind that a minimum degree requirement is 16 hours at the 6000 level. Students can also take up to nine hours outside the department with the consent of his/her advisor and the graduate program director, to apply toward his/her degree program. Students can apply three credit hours of Internship (GEO 6944), three credit hours of Directed Research (GEO 6918) and/or Independent Research (GEO 6908) toward their degree program. Students must pass a comprehensive written examination that is administered during the semester they plan to graduate.

The following tracks or concentrations are available:

#### **Track A: Economic, Social and Planning Issues in the Urban Environment**

GEO 6116 Perspective of Environmental Thought (3 hrs)  
GEO 6345 Technological Hazards and Environmental Justice (3 hrs)  
GEO 6347 Natural Hazards (3 hrs)  
GEO 6428 Seminar in Human Geography (3 hrs)  
GEO 6475 Political Geography Seminar (3 hrs)  
GEO 6505 Contemporary Urban Issues (3 hrs)  
GEO 6545 Economic Geography Seminar (3 hrs)  
GEO 6566 Site Feasibility Analysis (3 hrs)  
GEO 6704 Transportation Geography (3 hrs)  
GEO 7605 Seminar in Urban Environments (3 hrs)

#### **Track B: Natural/Technological Hazards and Environmental Justice**

GEO 6116 Perspective of Environmental Thought (3 hrs)  
GEO 6178 Environmental Applications of GIS (3 hrs)  
GEO 6209C Physical Geography Seminar (3 hrs)  
GEO 6215 Geomorphology Seminar (3 hrs)  
GEO 6217 Karst Geomorphology (3 hrs)  
GEO 6263 Soils Seminar (3 hrs)  
GEO 6286 Water Resources (3 hrs)  
GEO 6288 Hydrological Systems (3 hrs)  
GEO 6345 Technological Hazards and Environmental Justice (3 hrs)  
GEO 6347 Natural Hazards (3 hrs)

MET 6140 / GEO 6255

Weather, Climate and Society (3 hrs)

**Track C: Geographic Information Systems and Spatial Analysis**

GEO 5158 Global Positioning Systems (3 hrs)

GEO 6115 Field Techniques (3 hrs)

GEO 6119 Geographical Techniques and Methodology (3 hrs)

GEO 6134C Remote Sensing (3 hrs)

GEO 6137 Remote Sensing Seminar (3 hrs)

GEO 6157 Geographic Information Systems (3 hrs)

GEO 6159 GIS Seminar (3 hrs)

GEO 6126 Multivariate Statistical Analysis (3 hrs)

GEO 6176 Water Resources Applications of GIS (3 hrs)

GEO 6178 Environmental Applications of GIS (3 hrs)

GEO 6187 Spatial Database Development (3 hrs)

GEO 6188 Programming for GIS (3 hrs)

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## GEOGRAPHY

### Geography and Environmental Science and Policy Doctor of Philosophy (Ph.D.)

#### DEGREE INFORMATION

##### Program Admission Deadlines:

**Fall:** March 15  
March 1 (for full financial consideration)

**Minimum Total Hours:** 90/60

**Program Level:** Doctoral

**Program Status:** Active

**CIP Code:** 45.0799

**Dept Code:** GEP

**Program (Major/College):** GEP AS

#### CONTACT INFORMATION

**College:** Arts and Sciences  
**Departments:** Geography and Environmental Science and Policy

**Program Director:** Philip Reeder

##### Other Contact:

**Phone:** 813-974-4292

**Fax:** 813-974-4808

**Email:** [preeder@cas.usf.edu](mailto:preeder@cas.usf.edu)

##### Web Address:

<http://www.cas.usf.edu/geography>

##### Mailing Address:

University of South Florida  
Environmental Science and Policy  
Environmental Science and Policy Program  
4202 E. Fowler Avenue, SCA238  
Tampa, FL 33620

#### PROGRAM INFORMATION

The Ph.D. degree in Geography and Environmental Science and Policy is an interdisciplinary program, the curriculum of which is designed to take advantage of the strengths of multiple University departments in critical areas of geography and the environment. Emphasis is placed on providing theoretical rigor and methodological skills enabling students to make significant and original research and policy contributions in an integrated interdisciplinary environment. In addition, the degree has a very strong applied component reflecting the Departments' strong emphases in working on solutions to real-world geographical and environmental problems.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### Major Research Areas:

Economics, Social, and Planning Issues in the Urban Environment

Karst Science and Climate Change

Natural/Technological Hazards and Health

Landscape Ecology

Water Resources and Policy

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below. Admission standards follow those of the M.S. programs in the constituting Departments.

#### Program Admission Requirements

- 1) Undergraduate degree in relevant field, with preparation in both science and policy
- 2) GRE at 550V and 550Q. Preferred: GRE At least 600V, 600Q
- 3) GPA at least 3.0 in upper division undergraduate credits
- 4) If non-native English speaker, TOEFL of at least 600
- 5) Ability to conduct research in a field of current interest to departmental faculty

A minimum score of 550V and 550Q on the GRE and a minimum cumulative GPA of 3.0 at the undergraduate level or Masters' Degree from an accredited institution of higher learning. However, these are minimum criteria. Students desiring prompt admittance to the PhD program or those requesting financial support should obtain GRE scores in the range of 1200 or above (combined V + Q) and display outstanding classroom achievement. Applicants whose first language is not English must also submit a score of at least 600 on the Tests of English as a Foreign Language (TOEFL). See Department guidelines for application materials expected and other expected qualifications for admittance.



**DEGREE PROGRAM REQUIREMENTS**

The curriculum consists of 60 semester hours past the master's degree, or 90 hours past the bachelor's degree, and allows distinct concentration either in Environmental Science and Policy or in Geography. The curriculum consists of the following requirements:

- |                                     |    |
|-------------------------------------|----|
| 1. Core Requirements                | 9  |
| credits                             |    |
| 2. Area of Emphasis Electives       | 9  |
| credits                             |    |
| 3. Other Electives and Dissertation | 42 |
| credits                             |    |

**1. Core Requirements**

Students must complete all the following courses

- |                                      |   |
|--------------------------------------|---|
| a. Seminar in Natural Environments   | 3 |
| credits                              |   |
| b. Seminar in Urban Environments     | 3 |
| credits                              |   |
| c. Doctoral Dissertation Preparation | 3 |
| credits                              |   |

**2. Area of Emphasis Elective Courses**

Upon entering the Program, students select an area of emphasis from among the five Major Research Areas listed above. Students complete nine (9) credits of coursework within the area of emphasis as designated by the Graduate Director or by the student's major professor and Faculty Supervisory Committee. The coursework should be selected in a way that supports the student's intended dissertation research. A wide variety of

advanced graduate courses are available at the University in each of the five areas of emphasis.

**3. Other Electives and Dissertation Credits**

Students complete 42 credit hours in the form of elective coursework, directed reading, independent study, or dissertation hours. The student's major professor and Faculty Supervisory Committee will advise students on the selection of the proper mix of coursework and other study to support the agreed upon dissertation research. It is likely that students will include coursework from a variety of departments to support the elective requirements, and students may choose to complete a Graduate Certificate in a particular field, from another department, as part of their studies. Students entering the PhD program who have not completed a Masters Degree in either Geography or Environmental Science and Policy should expect to complete coursework equivalent to the requirements of one of those Masters programs.

**Ph.D. Candidacy and Dissertation**

A student will be admitted to candidacy following successful completion of comprehensive qualifying exams and the successful oral defense of a dissertation proposal. To complete the degree will require the full completion and oral defense of a comprehensive Ph.D. dissertation. See Program guidelines for detailed procedures on dissertation research, faculty supervision, structure of examinations and defenses, and completion of the dissertation.

**COURSES** See <http://www.ugs.usf.edu/sab/sabs.cfm>

See Program guidelines for additional information.

## GEOLOGY PROGRAM

### Master of Science (M.S.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	40.0601
<b>Dept Code:</b>	GLY
<b>Program (Major/College):</b>	GLY AS

**Concentrations available in:**

Aqueous Geochemistry (AQY),  
 Biogeochemistry (BGC)  
 Coastal Geology (CGE)  
 Environmental Geophysics (ENY)  
 Geomorphology (GMP)  
 Hydrogeology (HDG)  
 Paleoclimatology (PLC)  
 Paleontology (PTG)  
 Petrology (PLG)  
 Tectonophysics (TCT)

**Other areas of study:**

Volcanology (VOL)

#### CONTACT INFORMATION

<b>College:</b>	Arts and Sciences
<b>Department:</b>	Geology
<b>Program Director:</b>	Jeffrey G. Ryan
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-6492
<b>Fax:</b>	813-974-2654
<b>Email:</b>	<a href="mailto:ryan@shell.cas.usf.edu">ryan@shell.cas.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cas.usf.edu/geology/index.html">http://www.cas.usf.edu/geology/index.html</a>

**Mailing Address:**

University of South Florida  
 Geology  
 Geology Program  
 4202 E. Fowler Avenue, SCA528  
 Tampa, FL 33620

---

#### PROGRAM INFORMATION

Geology incorporates the fundamentals of biology, chemistry, mathematics, and physics to study the earth and the processes that affect our planet.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**Major Research Areas:** n/a

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

Same as university admission requirements plus 3 letters of recommendation, personal statement, listing of previous coursework, transcripts. GRE required, but no minimum specified.

---

#### DEGREE PROGRAM REQUIREMENTS

The Department of Geology requires a candidate for the thesis-track M.S. Degree to complete at least 30 graduate credit hours. These hours are subdivided into 24 hours of structured coursework, of which at least ten (10) must be at the 6000 level, and at least six (6) hours in thesis research (GLY 6971). The curriculum for a Geology graduate student varies depending on the area of research interest. Specific course work for the degree is determined via consultation between the student, his/her primary advisor and his/her student advisory committee. Other pertinent information regarding graduate study is contained in the Department's Graduate Student Handbook, which is available upon request.

All degree candidates are required to maintain satisfactory academic progress at all times. Satisfactory academic progress in this program is defined as progress in course and thesis work. Evidence of academic progress includes timely completion of departmental requirements such as selecting a primary advisor, forming a student advisory committee, completion of any prerequisites or deficiencies, timely progress toward completion of the

thesis, maintaining a satisfactory GPA, defending a thesis proposal, and making a public presentation. A schedule for meeting these requirements is contained in the Department's Graduate Student Handbook.

### **Hydrogeology Internship**

#### **M.S. Option –**

This program requires 30 hours of structured coursework, and a 3-credit internship project. A list of approved courses is available from the Department. Criteria for selecting appropriate internship projects are contained in the Geology Graduate handbook. Internship projects, which are supervised by Professional Geologists (PGs), must receive prior approval by the Internship Coordinator. The curriculum requires a comprehensive exit exam that is based on coursework and the internship project. Before the exit exam, the student must submit an Internship Project Report approved by the supervising PG. The hydrogeology internship committee determines the format of the exam. Normally, it is an oral examination following the student's presentation of the results of the internship project to the hydrogeology internship committee.

**COURSES** See <http://www.ugs.usf.edu/sab/sabs.cfm>

## GEOLOGY PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	60
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active

<b>CIP Code:</b>	40.0601
<b>Dept Code:</b>	GLY
<b>Program (Major/College):</b>	GLY AS

**Concentrations available in:**

Aqueous Geochemistry (AQY)  
 Biogeochemistry (BGC)  
 Coastal Geology (CGE)  
 Environmental Geophysics (ENY)  
 Geomorphology (GMP)  
 Hydrogeology (HDG)  
 Paleoclimatology (PLC)  
 Paleontology (PTG)  
 Petrology (PLG)  
 Tectonophysics (TCT)

**Other areas of study:**

Volcanology (VOL)

#### CONTACT INFORMATION

<b>College:</b>	Arts and Sciences
<b>Department:</b>	Geology
<b>Program Director:</b>	Peter J. Harries
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-2236
<b>Fax:</b>	813-974-2654
<b>Email:</b>	<a href="mailto:harries@chuma.cas.usf.edu">harries@chuma.cas.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cas.usf.edu/geology/index.html">http://www.cas.usf.edu/geology/index.html</a>

**Mailing Address:**

University of South Florida  
 Geology  
 Geology Program  
 4202 E. Fowler Avenue, SCA528  
 Tampa, FL 33620

---

#### PROGRAM INFORMATION

Geology incorporates the fundamentals of biology, chemistry, mathematics, and physics to study the earth and the processes that affect our planet.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**Major Research Areas:** n/a

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

Same as university admission requirements plus 3 letters of recommendation, personal statement, listing of previous coursework, transcripts. GRE is required, but no minimum specified.

---

#### DEGREE PROGRAM REQUIREMENTS

The Ph.D. program in Geology requires a minimum of 15 semester hours of graduate (6000 level) structured course work after the Master's or equivalent. Course requirements beyond this are at the discretion of the student's committee. All doctoral students must maintain good standing in the Graduate School (overall GPA =3.0) and maintain satisfactory academic progress toward the degree. Any student who receives a C in a structured course will be placed on academic probation. This probation can be terminated by achieving grades of B or higher in the subsequent semester of full-time enrollment. If a second grade of C is received, the student is terminated from the doctoral program. Only courses in which the student receives at least a B may be counted toward the 15-hour, structured-course requirement. There is also a requirement that Ph.D. students have at least two semesters of full-time residence. While meeting the residency requirements, candidates must be full-time students in good academic standing.

General examinations and presentations of thesis proposals should be completed no later than the end of the second year in the doctoral program. The examining and dissertation committees are the same and will be comprised of no less than five members, at least three of which must be USF faculty, and at least one member from outside the department.

Admission to candidacy will be based on the results of a general examination administered by the student's committee. The format of the exam will be determined by the committee at least one week prior to the onset of the examination. Normally, it will consist of a written section or sections, followed by an oral examination chaired by the student's research advisor. After admission to candidacy, all doctoral students will make at least one formal presentation of their research prior to graduation. Any appropriate venue is acceptable, e.g., Dept. colloquium, oral or poster sessions at a scientific meeting of at least regional scope.

**COURSES** See <http://www.ugs.usf.edu/sab/sabs.cfm>

## GERONTOLOGY PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	30.1101
<b>Dept Code:</b>	GEY
<b>Program (Major/College):</b>	GEY AS

#### CONTACT INFORMATION

<b>College:</b>	Arts and Sciences
<b>Department:</b>	School of Aging Studies
<b>Program Director:</b>	Cathy McEvoy
<b>Other Contact:</b>	Amy Woodbury
<b>Phone:</b>	813-974-2414
<b>Fax:</b>	813-974-9754
<b>Email:</b>	<a href="mailto:agingstudies@cas.usf.edu">agingstudies@cas.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cas.usf.edu/agingstudies">http://www.cas.usf.edu/agingstudies</a>

**Mailing Address:**  
 University of South Florida  
 School of Aging Studies  
 Gerontology Program  
 4202 E. Fowler Avenue, MHC1338  
 Tampa, FL 33620

---

#### PROGRAM INFORMATION

Gerontology is the study of the process of human aging in all its aspects: physical, psychological, and social. In the School of Aging Studies, particular emphasis is placed on educating Gerontology students who, in their professional careers, will work to sustain or improve the quality of life of older people. Many of our program graduates are employed in agencies providing services for older adults. For information about the interdisciplinary Ph.D., see the separate listing for Aging Studies Ph.D.

The School offers the M.A. in Gerontology, with either a thesis or non-thesis option. In addition to completing a required core curriculum, students may select gerontology courses suited to their particular career goals. These include courses focused on such diverse areas as research, program administration, and direct service. While the M.A. program does not have separate tracks, students are advised to select courses in such concentrations as case management, administration, mental health, and research. Students should meet with their advisors to select concentrations appropriate to their professional goals.

Internships are recommended and available for students who need practical experience in the field of aging. Students interested in internships should see the school's internship director. Following completion of the necessary coursework there is a comprehensive examination designed to test the student's knowledge of, and ability to integrate, key concepts and information in the field of gerontology. This examination must be taken and passed by all students in the M.A. program. Students electing the thesis option must successfully pass an oral

examination on the thesis. There are no language requirements.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

University requirements with the exception of a GPA of 3.0 or greater and a GRE score of at least 430V, 470Q, 4.0AW or, 480V, 520Q, 4.0AW. Required scores determined by undergraduate upper-division GPA.

#### DEGREE PROGRAM REQUIREMENTS

The M.A. degree requires 36 credits of graduate study.

Required courses (15 credits) include:

GEY 5620 (3) GEY 5630 (3) GEY 6450 (3) GEY 6600 (3) GEY 6613 (3)

The following courses are suggested for three focus areas:

##### Case management:

GEY 6614 Psychopathology and Aging;  
 GEY 6616 Mental Health Assessment of Older Adults;  
 GEY 6617 Gerontological Mental Health Counseling;  
 GEY 6618 Gerontological Group and Family

Counseling; GEY 6934 Gerontological Case  
Management

**Administration of Services for the Aged:**

GEY 6340 Housing for the Elderly;  
GEY 6500 Seminar in Principles of Administration;  
GEY 4327 Long Term Care Administration I – The  
Service Array;  
GEY 4328 Long Term Care Administration II –  
Institutional Care;  
GEY 6934 Using Computers in Adm. Decision-making.

**Gerontological Research:**

GEY 6934 Program Planning and Evaluation;  
GEY 6934 Advanced Statistics in Aging Research;  
GEY 6910 Directed Research in Gerontology;  
GEY 6971 Thesis.

The remaining 21 hours of coursework must be selected  
from other graduate courses in gerontology.

Comprehensive Exam  
Thesis (if in Thesis option)

**COURSES** See <http://www.ugs.usf.edu/sab/sabs.cfm>

## HISTORY PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	54.0101
<b>Dept Code:</b>	HTY
<b>Program (Major/College):</b>	HTY AS

**Concentrations available in:**

American History (AHY)  
 Ancient History (AHS)  
 European History (EHS)  
 Latin American History (LAH)  
 Medieval History (MHS)

#### CONTACT INFORMATION

<b>College:</b>	Arts and Sciences
<b>Department:</b>	History
<b>Program Director:</b>	Robert Ingalls
<b>Other Contact:</b>	Sylvia Wood
<b>Phone:</b>	813-974-2809
<b>Fax:</b>	813-974-6228
<b>Email:</b>	<a href="mailto:ingalls@cas.usf.edu">ingalls@cas.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cas.usf.edu/history/">http://www.cas.usf.edu/history/</a>

**Mailing Address:**

University of South Florida  
 Department of History  
 History Program  
 4202 E. Fowler Avenue, SOC107  
 Tampa, FL 33620

---

#### PROGRAM INFORMATION

The Department of History offers the M.A. degree. Members of the graduate faculty in History have earned recognition as teachers, scholars, and contributors to the community. The Department offers both a thesis and a non-thesis Master of Arts degree organized around the following fields:

- Field 1: American History to 1877
- Field 2: American History since 1877
- Field 3: Ancient History
- Field 4: Medieval History
- Field 5: Early Modern Europe to 1789
- Field 6: Modern Europe since 1789
- Field 7: Latin America

The thesis program emphasizes preparation for further graduate study. The non-thesis program is designed to meet the needs of those students seeking a terminal degree at the master's level.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**Major Research Areas:**

Florida history; Latin American history; US since/to 1877

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

Same as university plus a two page statement of goals and two letters of recommendation. GRE 500V, 500Q, 4.5AW

#### DEGREE PROGRAM REQUIREMENTS

In addition to the general requirements of the University, a candidate is required to complete 36 hours in the following distribution:

- Core Courses (HIS 6112) 4 hours
- Major Field 16 hours
- Minor Field 8 hours
- Thesis (HIS 6971) 8 hours

Non-Thesis 8 hours of 6000 level regularly scheduled history courses.

Of the 36 hours required for the Master of Arts with thesis, at least 20 must be in formal, regularly scheduled course work. For the Master of Arts without thesis, at least 28 must be in formal, regularly scheduled course work. A minimum of 16 must be at the 6000 level. Subject to the satisfaction of above requirements, courses at the 5000 level are acceptable as part of a planned degree program. In special circumstances, major advisors



may approve up to six (6) hours at the 4000 level with the definite understanding that additional and superior work will be required of the graduate student. The core course, HIS 6112, "Analysis of Historical Knowledge" is required of all M.A. students.

In the thesis degree program students must be able to demonstrate a reading proficiency in one foreign language. A satisfactory preparation in the core course, two fields, and the completion of a comprehensive examination are required of all M.A. students for graduation.

Students with a major field in American History and with a thesis topic that does not require use of a foreign language may substitute quantitative methods for the language requirements. The quantitative methods option will be fulfilled by successful completion with a grade of at least "B" in one of the following courses ANG 5937; EDF 6407; POS 5736, MAT 5932.

Upon admission, M.A. students will select a major professor who will arrange their programs of study. The student, in consultation with the major professor, solicits two other members to serve on a supervisory committee.

**COURSES** See <http://www.ugs.usf.edu/sab/sabs.cfm>

## LATIN AMERICAN, CARIBBEAN, AND LATINO STUDIES PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active
<b>CIP Code:</b>	5.0107
<b>Dept Code:</b>	GIA
<b>Program (Major/College):</b>	LAS AS

#### CONTACT INFORMATION

<b>College:</b>	Arts and Sciences
<b>Department:</b>	Institute for the Study of Latin America and the Caribbean (ISLAC)

<b>Program Director:</b>	Timothy J. Smith
<b>Other Contact:</b>	Alina Lezcano-Saavedra
<b>Phone:</b>	813-974-2962
<b>Fax:</b>	813-974-8138
<b>Email:</b>	<a href="mailto:laclas@iac.usf.edu">laclas@iac.usf.edu</a>
<b>Web Address:</b>	<a href="http://web.usf.edu/iac/islac">http://web.usf.edu/iac/islac</a>

**Mailing Address:**

Institute for the Study of Latin America and the Caribbean  
University of South Florida  
4202 E. Fowler Avenue, CPR 107  
Tampa, FL 33620

---

#### PROGRAM INFORMATION

Contact program for information.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**Faculty Interests Include:**

Cuban studies, history, anthropology, political science, education, Spanish-American languages and literatures, women's studies, African diaspora, humanities and the arts.

**Research Areas:**

Cuba, Caribbean, Southern Cone, Gulf Coast, Puerto Rico, Bolivia, Mexico, Ecuador, Guatemala, Nicaragua, Brazil, Costa Rica, Honduras, Meso and Central America.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

Same as University in addition to: must have 3.0 GPA, three letters of recommendation, statement of purpose and resume.. GRE not required, but suggested for full financial consideration.

#### DEGREE PROGRAM REQUIREMENTS

The Curriculum consists of 36 credits divided into three categories:

Core requirements	9 credits (6 seminar, 3 methodology)
Major Field requirements	12 credits
Minor Field requirements	6 credits
Additional Elective	3 credits
Thesis or Electives	6 credits

**Core Requirements**

Students must take two interdisciplinary core seminars and a methods course upon entering the program. The core seminars, directed by a faculty member from one of the participating departments, will familiarize students with the literature, existing knowledge, and research approaches of the various fields of area studies and invited to acquaint students with faculty and their research. The purposes of the seminars are:

- to provide an interdisciplinary graduate experience
- to foster a community of scholars and learners focused on Latin American, Caribbean, and Latino experiences

- to encourage the integration of learners into the larger Latin communities of Tampa Bay, West Florida, and the hemisphere.

Students will also take a three (3) hour methodology course that acquaints them with particular research relevant to their discipline and when possible, Latin America and/or the Caribbean. This includes special approaches to finding documentation from Latin America and the Caribbean; newly-available search tools available on the internet; and an overview of how disciplines utilize different research materials.

#### **Major and Minor Fields**

With the concurrence of the ISLAC advisor, students will elect major and minor fields during their first semester. These fields will draw heavily on participating departments (e.g. Anthropology, History, Government and International Affairs, Art History). At that time the student will constitute a supervisory committee, made up of two professors from the major field and one from the minor field. The committee members will counsel the student and serve as members of the exam or thesis committees.

A large number of courses are available to fulfill the major and minor field requirements. These are listed separately and change somewhat from year to year. Departments who frequently work with ISLAC are Anthropology, Government and International Affairs, Sociology, Mass Communication, Geography, Social Work, Women Studies, Global Health, Philosophy, Economics, History, . World Languages, Humanities and American Studies, Art History and Africana Studies. Students may also request to have courses from other departments count toward major or minor fields.

#### **Electives**

Students can take one elective from outside the major and minor fields, in order to complement their core studies. These might be technical courses, study abroad courses internships, math and science courses, methodology, or another unrelated field. In all cases, students must justify their elective hours and receive approval from their committees.

In addition, students opting for the non-thesis track must take one more course in each of their major and minor fields. Students considering teaching in community colleges are encouraged to take more classes in their major field.

#### **Graduation Requirements**

At the conclusion of their coursework, students who opted for thesis must gain approval of the thesis by the committee. All candidates for the degree must also demonstrate language proficiency either by examination or by completing a 3000-level course in Spanish or Portuguese with a B or better. Finally, all non-thesis candidates must pass a six (6) hour comprehensive written exam of three questions, which will be composed and graded by the committee. Students must also meet all College and University Graduation Requirements.

#### **COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm> or <http://web.usf.edu/iac/islac>

## LIBERAL ARTS PROGRAM

### Master of Liberal Arts (M.L.A.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	24.0101
<b>Dept Code:</b>	HUM
<b>Program (Major/College):</b>	MLA AS

**Concentrations available in:**

Africana Studies (AFT)  
 Florida Studies (Offered in St. Petersburg) (FST)  
 Humanities (HST)  
 Liberal Studies (LSS)  
 Social and Political Thought (SPT)

#### CONTACT INFORMATION

<b>College:</b>	Arts and Sciences
<b>Department:</b>	Humanities and American Studies
<b>Program Director:</b>	Daniel Belgrad
<b>Other Contact:</b>	Silvio Gaggi
<b>Phone:</b>	813-974-2431
<b>Fax:</b>	813-974-9409
<b>Email:</b>	<a href="mailto:mla@cas.usf.edu">mla@cas.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cas.usf.edu/humanities/lamadescr.html">http://www.cas.usf.edu/humanities/lamadescr.html</a>

**Mailing Address:**

University of South Florida  
 Humanities and American Studies  
 Liberal Arts Program  
 4202 E. Fowler Avenue, CPR107  
 Tampa, FL 33620

---

#### PROGRAM INFORMATION

The Master of Liberal Arts offers students an opportunity to study from an interdisciplinary perspective the ideas and works that have shaped world culture. Five program concentrations are available: the Liberal Studies Sequence, though broadly interdisciplinary, focuses on a concept, movement or idea. The Humanities Sequence requires a concentration in the Dept of Humanities and American Studies. The Social and Political Thought Sequence requires a program of study approved by a faculty committee. The Africana studies Sequence requires a concentration in Africana Studies. It is an interdisciplinary program that focuses on the study of African American, African, and African Diasporan culture and society. The Florida Studies Sequence allows students to build a program based on a broad array of Florida-based classes drawing on many programs, including History, English, Marine Science, Political Science, Journalism and Media Studies, Art, and Anthropology. All programs require a minimum of 30 credits of course work and a 3 credit thesis.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

Upper division undergraduate GPA of 3.0 and a GRE required with least 500 V and 4.5 AW. Contact individual concentration advisors for possible additional requirements (e.g., recommendations, writing samples, etc.)

#### DEGREE PROGRAM REQUIREMENTS

**Africana Studies Concentration –  
 Total minimum required hours (33)**

Courses – 30 hours from the approved course list. Twenty-one hours must be in Africana Studies courses, include AFA 5935 and AFA 6101, and 9 in approved outside electives. At least 15 hours must be at the 6000 level; four hours may be at the 4000. Satisfactory completion of a written comprehensive examination. Thesis (3); thesis Defense

**Humanities Concentration –****Total minimum required hours: (33)**

Courses - 30 hours in courses from the approved list. 21 hrs. must be in Humanities courses, including HUM 6815 and HUM 6801, and 9 hrs. in approved outside electives. At least 15 hours must be at the 6000 level; 4 hours may be at the 4000 level. Satisfactory completion of a written comprehensive examination. Thesis (3); thesis Defense.

**Liberal Studies Concentration –****Total minimum required hours: (33)**

Courses - 30 hours in courses from the approved course list. At least nine but no more than 12 hours must be taken in a single department. At least 20 hours must be at the 6000 level; four hours may be at the 4000 level. Satisfactory completion of a written comprehensive examination. Thesis (3); thesis Defense.

**Social and Political Thought Concentration—****Total minimum required hours: (33)**

Course - 30 hours of courses approved by a committee selected by the student from the program faculty. Eight hours may be at the 4000 level. Satisfactory completion of a written comprehensive examination

**Florida Studies Concentration (St. Petersburg Campus)****Total minimum required hours: (33)**

Course - 30 hours of courses from an approved list. At least 20 hours must be at the 6000 level; four hours may be at the 4000 level. Satisfactory completion of a written comprehensive examination. Thesis (3); Thesis Defense.

All Concentrations require the student to work closely with an assigned major professor. Prior to registration for the second semester in the Liberal Studies and Africana Studies sequences, the student must submit in writing to the Master of Liberal Arts Program Director (Liberal Studies Concentration) or the Director of Africana Studies (Africana Studies Concentration) a signed statement of intent to focus on a particular concept, idea, theme, or area of emphasis. This statement must be approved, dated, and signed by the Director and made a part of the student's record. Subsequent courses selected for study are expected to center around this stated focus. Variation from the focus must be approved by the Director. Courses may be taken from any of the programs listed below:

American Studies  
 Anthropology  
 Art  
 Communication  
 Criminal Justice  
 English  
 Geography  
 History  
 Humanities  
 Interdisciplinary Social Science  
 Language  
 Mass Communications  
 Philosophy  
 Political Science  
 Religious Studies  
 Sociology

Specific course listings for each Concentration may be obtained from the MLA office, CPR 363.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## LIBRARY AND INFORMATION SCIENCE PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	39
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	25.0101
<b>Dept Code:</b>	LIS
<b>Program (Major/College):</b>	LIS AS

#### CONTACT INFORMATION

<b>College:</b>	Arts and Sciences
<b>Department:</b>	Library and Information Science
<b>Program Director:</b>	Vicki Gregory
<b>Other Contact:</b>	Mel Pace
<b>Phone:</b>	813-974-3520
<b>Fax:</b>	813-974-6840
<b>Email:</b>	<a href="mailto:lis@cas.usf.edu">lis@cas.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cas.usf.edu/lis/">http://www.cas.usf.edu/lis/</a>

##### Mailing Address:

University of South Florida  
Library and Information Science  
Library and Information Science Program  
4202 E. Fowler Avenue, CIS1040  
Tampa, FL 33620

---

#### PROGRAM INFORMATION

The mission of the School of Library and Information Science is to educate students for careers and leadership roles in library and information professions that serve the needs of a culturally diverse, technological society; to contribute to the body of theoretical and applied knowledge in the discipline; and to serve current and emerging needs in the University, the community, and the profession. For Goals, Objectives, and Student Learning Outcomes, refer to the program's web page.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools, the American Library Association (ALA) and the National Council for the Accreditation of Teacher Education (NCATE).

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

Same as the university. GRE is required with minimum scores of 500V, 500Q. However, the LIS program will waive the GRE requirement if the student meets one of the following criteria:

1. a 3.5 or higher GPA in a completed master's degree program
2. a 3.0 or higher GPA in upper division undergraduate work.

Students not meeting either of the above waiver criteria must also submit 3 reference letters and a statement of purpose and goals to serve as a writing sample.

#### DEGREE PROGRAM REQUIREMENTS

A minimum of 39 semester hours is required for the Master's degree program. Students must maintain a 3.0 grade point average of "B" or better and no more than two grades below "B" will be accepted. Transfer credit from other recognized graduate schools is limited to six semester hours taken within the last five years with grades of "B" or better. All transfers must be approved by the candidate's faculty advisor. Transfer credits must be posted to a student's permanent record no later than one full term prior to graduation.

##### Required Courses

Six core courses are required: LIS 50520; LIS 6271; LIS 6409 or LIS 6455; LIS 6511; LIS 6603; LIS 6735 or LIS 6725, plus a planned program of electives developed for each student as approved by the advisor.

##### Courses Outside the School

Degree-seeking students are permitted to enroll in courses, usually limited to six semester hours, outside the School of Library and Information Science when, in the context of the development of a purposeful program, an interdisciplinary approach seems appropriate. Students must obtain the prior approval of their Faculty advisor.

##### Comprehensive Examination

Students must pass a written comprehensive examination. Students will take the comprehensive examination in their last semester. Students who plan to graduate in August may take the comprehensive examination in the spring with the approval of their faculty advisor.

Students must be enrolled for a minimum of two credit hours during the semester in which they take the comprehensive examination. The School conducts comprehensive examinations only in the spring and fall semesters.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>  
<http://www.cas.usf.edu/lis/gen/courses.html>

**OTHER INFORMATION**

ALA-USF, ASSIST-USF, and SLA-USF are student chapters of the American Library Association, American Society for Information Science & Technology and Special Libraries Association linked with the School of Library and Information Science and are open to all members of the University community interested in information science or librarianship. All provide programs and guest speakers of interest to the campus community, maintain several discussion lists, and publish a newsletter for their members. These organizations are the voice of students in the school, and members of the associations are included on committees within the School.

## LINGUISTICS PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
Currently not accepting applications.

**Minimum Total Hours:** 33  
**Program Level:** Masters  
**Program Status:** Inactive

**CIP Code:** 16.0102  
**Dept Code:** WLE  
**Program (Major/College):** LIN AS

#### CONTACT INFORMATION

**College:** Arts and Sciences  
**Department:** World Languages  
**Program Director:** Wei Zhu  
**Other Contact:**  
**Phone:** 813-974-3805  
**Fax:** 813-974-1718  
**Email:** [LinguisticsMA@cas.usf.edu](mailto:LinguisticsMA@cas.usf.edu)  
**Web Address:** <http://www.cas.usf.edu/>

**Mailing Address:**  
 University of South Florida  
 World Languages  
 Linguistics Program  
 4202 E. Fowler Avenue, CPR107  
 Tampa, FL 33620

---

**Inactive.** Currently, students are not being admitted to this program.



## LINGUISTICS: ENGLISH AS A SECOND LANGUAGE PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	39
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	16.0102
<b>Dept Code:</b>	WLE
<b>Program (Major/College):</b>	ESL AS

**Also offered as:** Applied Linguistics

#### CONTACT INFORMATION

<b>College:</b>	Arts and Sciences
<b>Department:</b>	World Languages
<b>Program Director:</b>	Wei Zhu
<b>Other Contact:</b>	
<b>Phone:</b>	813-974-3805
<b>Fax:</b>	813-974-1718
<b>Email:</b>	<a href="mailto:wzhu@mail.cas.usf.edu">wzhu@mail.cas.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cas.usf.edu/languages/linguistics">http://www.cas.usf.edu/languages/linguistics</a>

##### Mailing Address:

University of South Florida  
World Languages  
Linguistics: English as a Second Language  
Program  
4202 E. Fowler Avenue, CPR107  
Tampa, FL 33620

---

#### PROGRAM INFORMATION

Linguistics is primarily an upper-level and graduate discipline with strong interdisciplinary concerns. The Linguistics Program offers two graduate tracks:

1. The Master of Arts in Linguistics (thesis), and
2. The Master of Arts in Applied Linguistics (Teaching English as a Second Language); (non-thesis).

For information on the M.A. in Linguistics, refer to that Program listing.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### Major Research Areas:

Language testing, curriculum development, second language learning and teaching.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

Same as university. GRE is also required but may be waived for applicants with a master's degree. Scores at or above 430 V and 4.0 AW are generally considered acceptable. Also must have:

- 1) three letters of recommendation,
- 2) a two-page statement of purpose, written by the

- 3) applicant.  
Students whose native language is other than English and whose bachelor's degree was not earned in an English-medium university in an English speaking country must provide a TOEFL score of 600 (250 on the computerized version).

Applicants should note that proficiency in a second language is required by the time of graduation.

#### DEGREE PROGRAM REQUIREMENTS

Non-Thesis: Applied Linguistics (TESL)

- I. Core Requirements (27 hours)  
LIN 5700 (3) LIN 6081 (3) LIN 6675 (3)  
LIN 6720 (3) LIN 6748 (3)  
TSL 5371 (3) TSL 5372 (3) TSL 5471 (3)  
TSL 5525 (3)
- II. Six hours of approved electives
- III. Additional requirements 6 hours of internship through enrollment in TSL 6945

A written and oral comprehensive examination is required for all M.A. students, as is submission of end-of-program portfolio and demonstration of proficiency in a language other than the student's native tongue.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## MASS COMMUNICATIONS PROGRAM

### Master of Arts (M.A) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	9.0102
<b>Dept Code:</b>	MCM
<b>Program (Major/College):</b>	COM AS

**Concentrations available in:**

Mass Communication Studies (MCM)  
Public Relations Studies (PRS)

**Also offered as:**

Certificate in Converged Media; Concentration in Journalism Studies (JOS) (*see listing for Mass Communications at USF St. Petersburg*)

---

#### PROGRAM INFORMATION

The M.A. degree program in Mass Communications is designed for students who are seeking advanced studies in preparation for professional and academic careers in mass communications. The program offers one degree, the Master of Arts in Mass Communications.

The Mass Communication Studies Concentration emphasizes the theoretical principles and research methods of mass communications. The Public Relations Studies Concentration emphasizes public relations management and social science research.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools and the Accrediting Council on Education in Journalism and Mass Communications (ACEJMC)

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

Same as university except that the students are required to have both a 3.0 upper division GPA and 500V, 500Q on the GRE. In addition, a resume, three letters of recommendation (academic recommendations preferred), a strong letter of intent and an appropriate bachelors degree from an accredited institution.

#### CONTACT INFORMATION

<b>College:</b>	Arts and Sciences
<b>Department:</b>	School of Mass Communications
<b>Program Director:</b>	Derina Holtzhausen
<b>Other Contact:</b>	Denise Montgomery
<b>Phone:</b>	813-974-6800 (DH) 813-974-9348 (DM)
<b>Fax:</b>	813-974-2592
<b>Email:</b>	<a href="mailto:mcom@chuma.cas.usf.edu">mcom@chuma.cas.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cas.usf.edu/mass_com/index.html">http://www.cas.usf.edu/mass_com/index.html</a>

**Mailing Address:**

University of South Florida  
School of Mass Communications  
Mass Communications Program  
4202 E. Fowler Avenue, CIS1040  
Tampa, FL 33620

---

#### DEGREE PROGRAM REQUIREMENTS

**Mass Communication Studies**

This program requires 36 hours of course work, including 6 hours of thesis. At least twenty-four hours are taken in the School of Mass Communications. The remaining 9-12 hours may be taken in graduate-level courses offered in other departments of the University.

**Public Relations Studies**

This program requires 36 hours of course work, including six (6) hours of thesis, nine (9) hours of the mass communications core, nine (9) hours of the public relations core, three (3) hours in organizational communication studies, and nine (9) hours of electives.

Students in both concentrations are required to take a comprehensive written examination after they have completed at least 21 hours of mass communications course work, including the required courses for each concentration of study.

**COURSES** See <http://www.ugs.usf.edu/sab/sabs.cfm>

**OTHER INFORMATION**

**Certificate in Converged Media** - This program is designed as a 15-hour concentration in advanced media presentation and includes writing, web design, and placement of multi-media stores in a web-based environment. Students gain expertise in video and audio streaming and appropriate platform selection for created stories. For more specific information, go to <http://www.outreach.usf.edu/gradcerts/>

## MATHEMATICS PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

For Teaching Assistants, International and Financial Aid Applicants:

**Fall:** February 1  
**Spring:** August 1

For Domestic applicants (US citizens or permanent residents) without financial aid or Teaching Assistant applications:

**Fall:** March 15  
**Spring:** October 1

**Minimum Total Hours:** 30  
**Program Level:** Masters  
**Program Status:** Active

**CIP Code:** 27.0101  
**Dept Code:** MTH  
**Program (Major/College):** MTH AS

**Concentrations available in:**

Pure and Applied (PAA)  
 Statistics (STT)

Also offered as a 5-year program

---

#### CONTACT INFORMATION

**College:** Arts and Sciences  
**Department:** Mathematics

**Program Directors:**

Masahiko Saito (Pure/Applied) – [saito@math.usf.edu](mailto:saito@math.usf.edu)  
 A.N.V. Rao (Statistics) – [arao@chuma.cas.usf.edu](mailto:arao@chuma.cas.usf.edu)

**Other Contact:**

Natasa Jonoska, [jonoska@math.usf.edu](mailto:jonoska@math.usf.edu)

**Phone:** 813-974-2643  
**Fax:** 813-974-2700  
**Email:** [ga@math.usf.edu](mailto:ga@math.usf.edu)  
**Web Address:** <http://www.math.usf.edu/>

**Mailing Address:**

University of South Florida  
 Department of Mathematics  
 Mathematics Graduate Program  
 4202 E. Fowler Avenue, PHY114  
 Tampa, FL 33620-5700

---

#### PROGRAM INFORMATION

The Department of Mathematics at the University of South Florida, Tampa Campus, is composed of approximately thirty faculty who do research in a variety of fields, and teach courses ranging from the freshman to the doctoral level.

The Department serves as the editorial base for the international journals: *Abstract and Applied Analysis* and *Journal of Theoretical Probability*. The Center for Mathematical Services within the department provides lectures, special programs for secondary students, and in service training programs in mathematics.

Some graduate courses are organized into Core and Elective Sequences as follows:

**Core Sequences:**

Algebra: MAS 5107, 5311, 5312  
 Analysis: MAA 5306, 5307, 5616  
 Mathematical Statistics: STA 5326, 6326  
 Topology: MTG 5316, 5317

**Elective Sequences:**

Applied Mathematics: three courses, one from each group listed below:

(Group A) MAP 5407, 5345  
 (Group B) MAA 5405, MAT 5932 (MAD 4401)  
 (Group C) MAP 6205, MAT 6932 (Dynamical Sys II)

Combinatorics: MAD 6206, 6207  
 Complex Analysis: MAA 6406, 6407  
 Statistical Methods: STA 5166, 6167  
 Dynamical Systems: MAT 5932 (I), 6932 (II)  
 Foundations: MHF 5306, 6307  
 Linear Models and  
 Multivariate Analysis: STA 6208, 6356  
 Nonlinear Analysis: MAP 5316, 5317  
 Ordinary Differential  
 Equations: MAP 6336, MAT 5932  
 (Dynamical Systems I)  
 Partial Differential  
 Equations: MAP 5345, 6356  
 Probability: STA 5446, 6447  
 Stochastic Processes and Time Series Analysis:  
 STA 6206, 6876  
 Theory of Computing: MHF 5306, MAD 6616

For degree requirements, each course from the Elective Sequence list above counts towards only one Elective Sequence. A qualifying examination based on a Core Sequence is called a Core Qualifying Examination. The syllabus for each examination is available from the Department. Core Qualifying Examinations are offered in January, May and September. A student who passes a Core Qualifying Examination at Ph.D. level will be considered to have completed the corresponding Core Sequence. Credit hours of MAT 6908 Independent Study, MAT 6939 Graduate Seminar, and MAT 6911 / 7912 Directed Research, earned before passing two Core Qualifying Examinations at Ph.D. level, do not count towards M.A. or Ph.D. degree. These courses, MAT 6908, 6911, 6939 and 7912, however, can be taken by a student before passing two Core Qualifying Examinations at Ph.D. level, with an approval from the Graduate Program Director, and also from the Seminar Organizer for MAT 6939. The course work for more than one credit hour for MAT 6939 needs an approval from the Graduate Committee.

#### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### Major Research Areas:

Algebra, Analysis, Discrete Mathematics, Partial Differential Equations, Probability, Statistics, and Topology, including the following fields: Applied Mathematics, Approximation Theory, Combinatorics, Computational Statistics, Control Theory, DNA computing, Dynamical Systems, Graph Theory, Knot Theory, Nonlinear Analysis, Number Theory, Special Functions, Theoretical Computer Science, and other areas.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

#### Program Admission Requirements

Same as general university requirements plus:

1. a Bachelor's degree or equivalent in mathematical sciences or related area
2. at least a 650 quantitative score on the GRE
3. at least a 3.5 GPA in undergraduate math courses
4. A completed math department application form
5. Statement of goals

Students with insufficient preparation in real analysis and/or abstract algebra will be required to take MAA 4211 and/or MAS 4301 before or during their first semester of study.

#### DEGREE PROGRAM REQUIREMENTS

In addition to the University and College requirements, the students must fulfill the following requirements:

1. *Credit Hours:* A candidate must complete at least 30 credit hours in Mathematics. Specifically,
  - a. The Mathematics graduate courses of 5000 level or higher, offered regularly for mathematics majors from the Mathematics department, are counted towards the 30-hour requirement.
  - b. Up to 6 hours of 4000 level or higher courses, taken from our department or other departments at USF, may be counted towards the 30-hour requirement with approval by the Graduate Program Director and the Department Chairperson.
2. *Completion of Sequences:* A Candidate must complete two Core or Elective Sequences, at least one of which must be a Core Sequence, and receive at least a 3.0 average in each sequence.
3. *Thesis or Examination Requirement:* Each candidate for the M.A. degree must either be examined on a thesis or pass one of the written Core Qualifying Examinations.

A student who elects the thesis option must register for a minimum of six (6) credit hours in MAT 6971, only six (6) hours of which may be applied toward the 30-hour degree requirement. The comprehensive examination takes the form of an oral thesis defense, in which the candidate must demonstrate knowledge of the general subject area of the thesis.

A student who elects the exam option must pass one of the Core Qualifying Examinations at M.A. level. A student may repeat each examination once.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## MATHEMATICS PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

For Teaching Assistants, International and Financial Aid Applicants:

**Fall:** February 1  
**Spring:** August 1

For Domestic applicants (US citizens or permanent residents) without financial aid or Teaching Assistant applications:

**Fall:** March 15  
**Spring:** October 1

**Minimum Total Hours:** 90  
**Program Level:** Doctoral  
**Program Status:** Active

**CIP Code:** 27.0101  
**Dept Code:** MTH  
**Program (Major/College):** MTH AS

**Concentrations available in:**

Pure and Applied (PAA)  
 Statistics (STT)

#### CONTACT INFORMATION

**College:** Arts and Sciences  
**Department:** Mathematics  
**Program Directors:**  
 Masahiko Saito (Pure/Applied) [saito@math.usf.edu](mailto:saito@math.usf.edu)  
 A.N.V. Rao (Statistics) [arao@chuma.cas.usf.edu](mailto:arao@chuma.cas.usf.edu)

**Other Contact:** Natasa Jonoska,  
[jonoska@math.usf.edu](mailto:jonoska@math.usf.edu)

**Phone:** 813-974-2643  
**Fax:** 813-974-2700  
**Email:** [ga@math.usf.edu](mailto:ga@math.usf.edu)  
**Web Address:** <http://www.math.usf.edu/>

**Mailing Address:**

University of South Florida  
 Department of Mathematics  
 Mathematics Graduate Program  
 4202 E. Fowler Avenue, PHY114  
 Tampa, FL 33620

---

#### PROGRAM INFORMATION

The Department of Mathematics at the University of South Florida, Tampa Campus, is composed of approximately thirty faculty who do research in a variety of fields, and teach courses ranging from the freshman to the doctoral level.

The Department serves as the editorial base for the international journals: *Abstract and Applied Analysis* and *Journal of Theoretical Probability*. The Center for Mathematical Services within the department provides lectures, special programs for secondary students, and in service training programs in mathematics.

Some graduate courses are organized into Core and Elective Sequences as follows:

**Core Sequences:**

Algebra: MAS 5107, 5311, 5312  
 Analysis: MAA 5306, 5307, 5616  
 Mathematical Statistics: STA 5326, 6326  
 Topology: MTG 5316, 5317

**Elective Sequences:**

Applied Mathematics: three courses, one from each group listed below.  
 (Group A) MAP 5407, 5345  
 (Group B) MAA 5405, MAT 5932 (MAD 4401)

(Group C) MAP 6205, MAT 6932 (Dynamical Systems II)

Combinatorics: MAD 6206, 6207

Complex Analysis: MAA 6406, 6407

Statistical Methods: STA 5166, 6167

Dynamical Systems: MAT 5932 (Dynamical Systems I), 6932 (II)

Foundations: MHF 5306, 6307

Linear Models and Multivariate Analysis: STA 6208, 6356

Nonlinear Analysis: MAP 5316, 5317

Ordinary Differential Equations: MAP 6336, MAT 5932 (Dynamical Systems I)

Partial Differential Equations: MAP 5345, 6356

Probability: STA 5446, 6447

Stochastic Processes and Time Series Analysis: STA 6206, 6876

Theory of Computing: MHF 5306, MAD 6616

For degree requirements, each course from the Elective Sequence list above counts towards only one Elective Sequence. A qualifying examination based on a Core Sequence is called a Core Qualifying Examination. The syllabus for each examination is available from the Department. Core Qualifying Examinations are offered in January, May and September. A student who passes a Core Qualifying Examination at Ph.D. level will be considered to have completed the corresponding Core Sequence. Credit hours of MAT 6908 Independent Study, MAT 6939 Graduate Seminar, and MAT 6911 / 7912 Directed Research, earned before passing two Core Qualifying Examinations at Ph.D. level, do not count towards M.A. or Ph.D. degree. These courses, MAT 6908, 6911, 6939 and 7912, however, can be taken by a student before passing two Core Qualifying Examinations at Ph.D. level, with an approval from the Graduate Program Director, and also from the Seminar Organizer for MAT 6939. The course work for more than one credit hour for MAT 6939 needs an approval from the Graduate Committee.

#### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### Major Research Areas:

Algebra, Analysis, Discrete Mathematics, Partial Differential Equations, Probability, Statistics, and Topology, including the following fields: Applied Mathematics, Approximation Theory, Combinatorics, Computational Statistics, Control Theory, DNA computing, Dynamical Systems, Graph Theory, Knot Theory, Nonlinear Analysis, Number Theory, Special Functions, Theoretical Computer Science, and other areas.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

In addition to the M.A. program requirements, entrants to the Ph.D. Program must have a Master's degree in Mathematics or a strong enough background as determined by the Graduate Admissions Committee, and three letters of recommendation, at least two of which from mathematicians indicating an aptitude for doctoral study. See list below.

#### Program Admission Requirements

Same as general university requirements plus:

1. a Bachelor's degree or equivalent in mathematical sciences or related area
2. at least a 650 quantitative score on the GRE
3. at least a 3.5 GPA in graduate math courses
4. three letters of recommendation (two of which should be from college level math professors)
5. a completed math department application form
6. a statement of goals

#### DEGREE PROGRAM REQUIREMENTS

In *addition* to the University and College requirements, the students must fulfill the following requirements.

1. *Core Qualifying Examinations:* The student is required to pass two of the Core Qualifying Examinations at Ph.D. Level. A student is expected to complete both within 13 months after entering the Ph.D. program unless an extension is granted by the Mathematics Graduate committee. A student may repeat each examination once.
2. *Elective Qualifying Examination:* After passing two Core Qualifying Examinations, the student will select a Dissertation Advisor and a Doctoral Committee will be appointed by the Department Chairperson. The Committee will determine a course of study leading to the written Elective Qualifying Examination, which may be based on one of the Elective Sequences above, possibly supplemented by other material. The syllabus for this examination, and the names of two examiners from the Faculty, must be approved by the Mathematics Graduate Program Director at least one semester before the examination is to take place. A student is expected to complete all three examinations within 25 months after entering the Ph.D. program unless an extension is granted by the Mathematics Graduate Committee. A student may repeat each examination once. The student will be admitted to candidacy after completion of the above two requirements.
3. *Completion of Four Sequences:* The student must complete four sequences from among Core and Elective Sequences with at least a 3.0 average in each sequence.
4. *Progress Evaluation:* Each Spring semester after admission to candidacy, the candidate shall give an oral presentation to the Doctoral Committee of the problem(s) under investigation. The presentation may also include a discussion of partial results. The Dissertation Advisor shall submit to the Department Chairperson a written report of the presentation.
5. *Dissertation:* Students admitted to candidacy are required to take at least 16 hours in MAT 7980 Doctoral Dissertation, with a minimum of 6 credits of dissertation hours accumulated during each previous 12-month period (previous 3 terms, e.g. Fall, Spring, Summer) until the degree is granted. The dissertation is expected to contain new mathematical results which are worthy of publication. Research towards the dissertation typically forms the major part of the work required for the Ph.D. in Mathematics.

6. *External Examiner Requirement and the Final Oral Examination:* The Final Oral Examination is also called the Dissertation Defense. The Department Chairperson will select an external examiner from a list provided by the Dissertation Advisor; the examiner should be both expert in the field and familiar with the standards expected for a Ph.D. A copy of the dissertation must be sent to the external examiner for review at least four weeks in advance of the Final Oral Examination. The reviewer's report shall be provided to the Doctoral Committee before the Final Oral Examination. Alternatively, referees' reports on papers based on the dissertation and accepted for publication may be substituted in lieu of the external examiner requirement.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## MICROBIOLOGY PROGRAM

### Master of Science (M.S.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

U.S. Students:

**Fall:** January 1 for full consideration; however applications are accepted to March 15 (U.S. Applicants)  
January 1 (International)

**Spring:** August 1

International Students:

**Fall:** January 1  
**Spring:** July 1

Application must be completed by January 1 by applicants who wish to be considered for assistantships.

**Minimum Total Hours:** 30  
**Program Level:** Masters  
**Program Status:** Active

**CIP Code:** 26.0503  
**Dept Code:** BIO  
**Program (Major/College):** MIC AS

#### CONTACT INFORMATION

**College:** Arts and Sciences  
**Department:** Biology  
**Program Director:** Henry R. Mushinsky  
**Other Contact:** Christine Smith  
**Phone:** 813-974-3250  
**Fax:** 813-974-3263  
**Email:** [csmith2@cas.usf.edu](mailto:csmith2@cas.usf.edu)  
**Web Address:** <http://www.cas.usf.edu/biology/>

##### Mailing Address:

University of South Florida  
Department of Biology  
Microbiology Graduate Program  
4202 E. Fowler Ave, SCA110  
Tampa, FL 33620

---

#### PROGRAM INFORMATION

The Department of Biology was the first to offer the Ph.D. degree at the University of South Florida. The department is located in two modern, well-equipped buildings. Most research in cell and molecular, and microbiology is done by faculty housed in the Bio-Science facility, and most of the research in organismal biology and ecology is conducted by faculty housed in the Science Center. In addition, the department has common research facilities in two nearby buildings.

One theme that runs throughout the department is that of cooperation. Within the Department, faculty and graduate students often work together on broad ranging research projects that bring together many of the traditionally separate areas of biology. Many of the Department's cell and molecular biologists and ecologists are involved in cooperative research with their colleagues in Public Health, Nursing, and Medicine. Likewise, many of the Department's organismal biologists and ecologists are involved in cooperative research with colleagues in the Departments of Geology, Psychology, Geography, Marine Science, and the Environmental Science and Policy program. Often biology graduate students have faculty members from these other areas of USF as members of their graduate committees.

Because of the many undergraduate courses that require hands-on experimental laboratories, the Department supports many graduate students as Teaching Assistants. The Department values high quality teaching at all levels of instruction. Research Assistant positions also are available to support research with specific faculty members.

The departmental graduate director, or an assigned mentor, serves as the student's advisor until the student makes arrangements for a faculty member to serve as major professor. The selection of a major professor includes acceptance of the student by the faculty member. Applicants are strongly urged to contact faculty conducting research in the student's area of interest.

For all master's students, the major professor and at least two additional faculty constitute the student's supervisory committee, the major professor and at least one of the committee members must be from the Biology Department. For all Ph.D. students the major professor and at least three additional faculty constitute the student's supervisory committee. The major professor and three members must be from the Department of Biology. Supervisory committees must be established



within two semesters after matriculation. Failure to do so will be cause for dismissal.

The Departmental Chairman, the College Dean and the Dean of the Graduate School must approve the Supervisory Committee. Once a major professor has been assigned and/or a student occupies or utilizes significant space or facilities for research or analogous scholarly activity directly pertinent to the generation of a thesis or dissertation, the student shall enroll for two hours of research credit each semester (other than summer semester), until eligible to enroll in thesis or dissertation credits. No student shall be required to enroll for more than nine graduate hours per semester.

A student must be registered for an appropriate load (in no case fewer than two graduate hours) in the college for the semester in which all degree requirements are satisfactorily completed. A student who receives three grades below "B" in structured courses required by the advisory committee will be dropped from the program. Registration in courses entitled Directed Research, Thesis, or Dissertation must be with the approval of the major professor and must be commensurate with each student's research plan. Students may not register in Thesis: Master's or Dissertation: Doctoral until a Supervisory Committee has been formed. A student who enrolls in courses entitled Thesis: Master's or Dissertation: Doctoral but does not submit a thesis or dissertation will not be certified for graduation.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

- 1) Must have 3.0 GPA last 60 hours of B.S. degree
- 2) Must have 500V, 600Q, and 4.5 AW, on the GRE + Biology Area Subject Exam.
- 3) All international students are required to submit the TOEFL test. Non-native English speaking graduate students must score at least 570 on the TOEFL and at least 50 on the TSE to be eligible for a teaching assistantship.
- 4) Acceptance by a faculty member in the Biology Dept. is MANDATORY. We encourage students to contact faculty via email to indicate an interest in the research being conducted in their laboratory. We will make every effort to pair potential graduate students with appropriate faculty, however, your direct contact with individual faculty is expected.

- 5) It is expected that candidates for the M.S./Ph.D. degrees will have completed courses equivalent to those required for the B.S. in Biology at U.S.F.

**Materials necessary for a complete application are listed below:**

The following items should be submitted in the envelope provided to:

**Biology Graduate Office  
University of South Florida  
4202 E. Fowler ave – SCA110  
Tampa, FL 33620-5150**

- 1) Completed application form with a non-refundable \$30 application fee. Send only checks or money order made payable to the "University of South Florida." The application and fee are valid for one year. Applications sent without the \$30 application fee will not be processed. There are no waivers or deferments granted for this fee. **PLACE CHECK IN THE ENVELOPE PROVIDED, SEAL ENVELOPE AND SIGN SEAL.**
- 2) Two official transcripts in a sealed envelope from each post-secondary institution. Transcripts of work completed at USF will be secured by the Office of Admissions. Hence you need only to secure transcripts from other institutions for your application packet.
- 3) Three letters of recommendation from faculty in sealed envelopes (on their university letterhead) with the envelope seal signed by the recommender. Students must also complete the enclosed **Student Recommendation Form** and submit it to the recommenders. If recommenders choose, they may send letters directly to the Office of Graduate Admissions.
- 4) A brief essay stating your intended field of research and professional goals. Please indicate your specific research interests, in order that we may refer your application to appropriate biology faculty members. In your essay please list 2-3 biology faculty members that you would like to have review your file. Acceptance into the biology graduate program requires the identification of specific faculty who are willing to direct your research.
- 5) **Application for teaching assistantship.** Failure to return this form will result in you not being considered for a teaching position. Please attach resume to **Teaching Assistant Application.**

**OFFICIAL test scores must be sent to USF directly from the testing agency. The University of South Florida's 4-Digit Institution Code is: 5828**

- 6) Official GRE scores. This exam must have been taken within the last five years. If you have

confirmation from ETS that scores have been sent to USF (USF must be listed), you may include a xerox copy of your confirmation notice in your application packet.

### DEGREE PROGRAM REQUIREMENTS

The M.S. degree requires completion of

1. structured coursework
2. a research thesis or a review paper
3. passing a comprehensive examination.

The Master's Degree Requirements should be completed in two to three years. The Department of Biology requires that all graduate work applied toward the completion of degree requirements be completed within a five year period after matriculation. Master's students are encouraged to gain teaching experience in at least one undergraduate course in the department. Thesis research should be publishable and students are encouraged to publish their findings. Overall degree requirements for the Master of Science (M.S.) are as follows:

1. Credit hour requirement: a total of 30 semester hour credits beyond the Baccalaureate Degree is required.
2. No minimum requirement for structured course work exists. The graduate student, major professor and student's graduate committee will establish the specific course requirement for each graduate student
3. A minimum of eight (8) thesis research credit hours is required.
4. Submission of a thesis proposal and approval by the major professor, graduate committee and graduate director
5. Successful completion of the oral examination. The exam should be taken at the end of the first year, or early in the second year of study. The examination is administered and evaluated by the student's graduate committee.
6. Seminar requirement: one presentation, excluding the thesis seminar and defense. Students should present posters or oral presentations based on their thesis research at

national/regional professional meetings. The student's graduate committee must approve the presentation.

7. Submission of an acceptable thesis.
8. Presentation of the thesis seminar (BSC 6935) and successful defense of the thesis.

**Non-Thesis** - For students enrolled in the non-thesis program, a 30-hour minimum is required at the 5000-6000 level; 26 hours must be in formally structured courses; 15 structured hours must be in Biology. A review paper of a topic approved by the supervisory committee is required.

#### Comprehensive Examination.

A final comprehensive examination is required for all master's students. This examination is open to all departmental faculty. Students must take their comprehensive exam within two years of matriculation and the exam is normally taken after the completion of all formal course work. Thesis students must take the examination at least one semester before the thesis is presented. Any graduate work counted toward the requirement for the M.S. degree must be completed within 5 years after matriculation.

All Master's Degree students must present a seminar to the Department of Biology and must be enrolled in BSC 6935, during the final semester. The seminar should be a concise summary of the research completed to satisfy the requirements for the M.S. Degree. The seminar is open to the general public and must be announced two weeks prior to the presentation. Upon completion of the seminar, the general public will be invited to ask questions. At the discretion of the student's graduate committee, members of the committee may continue to question the graduate student after the general public has departed the seminar room. Each student is expected to defend his/her research to the unanimous satisfaction of the graduate committee.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## PHILOSOPHY PROGRAM

### Master of Arts (M.A.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

U.S. Students

**Fall:** March 15  
**Spring:** October 15  
**Financial Assistance:** February 1

International Students

**Fall:** March 1  
**Spring:** August 1  
**Financial Assistance:** January 2

**Minimum Total Hours:** 30  
**Program Level:** Masters  
**Program Status:** Active

**CIP Code:** 38.0101  
**Dept Code:** PHI  
**Program (Major/College):** PHI AS

#### CONTACT INFORMATION

**College:** Arts and Sciences  
**Department:** Philosophy  
**Program Director:** Martin Schonfeld  
**Other Contact:** Darlene Corcoran  
**Phone:** 813-974-2447  
**Fax:** 813-974-5914  
**Email:** [dcorcora@chumal.cas.usf.edu](mailto:dcorcora@chumal.cas.usf.edu)  
**Web Address:**  
<http://www.cas.usf.edu/philosophy/index.html>

##### Mailing Address:

University of South Florida  
 Department of Philosophy  
 Philosophy Program  
 4202 E. Fowler Avenue, FAO 226  
 Tampa, FL 33620

#### PROGRAM INFORMATION

Contact program for information or visit

<http://www.cas.usf.edu/philosophy/index.html>

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### Major Research Areas:

Aesthetics  
 Analytic Philosophy  
 Ancient Greek Philosophy  
 Continental Philosophy  
 Epistemology  
 Ethics & Contemporary Moral Philosophy  
 Modern Philosophy  
 Philosophy of Mind  
 Philosophy of Science  
 Social & Political Philosophy  
 19<sup>th</sup> and 20<sup>th</sup> Century Philosophy

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

Same as university plus the following documents must be submitted:

1. statement of purpose
2. three (3) letters of recommendation

3. A ten (10) page writing sample

In order to be competitive, applicants should submit GRE general test scores of 600V, 600Q and an analytic score of 5.0.

#### DEGREE PROGRAM REQUIREMENTS

Once admitted, students must successfully complete at least 30 credit hours in accordance with the following requirements:

1. Proseminar I (6 credit hours) and Proseminar II (6 credit hours)
2. Course in Symbolic Logic or Modal Logic (3 credit hours)
3. Coursework in the History of Philosophy from the list appearing in "Areas of Study and Coursework" (6 credit hours)
4. Coursework in Metaphysics, Epistemology, and Logic from the list appearing in "Areas of Study and Coursework" (3 credit hours)
5. Course in Value Theory from the list appearing in "Areas of Study and Coursework" (3 credit hours)

6. Coursework or an examination demonstrating reading proficiency in one of the following languages: ancient Greek, Latin, French, German, or a substitute approved by the Director of Graduate Studies and the Department Chair
7. Thesis (3 credit hours) OR A comprehensive examination on a required list of readings necessary constructed by the candidate and a committee of examiners

#### Areas of Study and Coursework

Students will be required to meet the distribution of credit hours described below. While many of the courses could fall into two or more categories, the categories as stated should provide a comprehensive training in philosophy. When there is good reason to approve substitutions for the courses listed, the Director of Graduate Studies has the discretion to approve substitutions on a case-by-case basis. The Department Chair must also approve any substitutions.

#### History of Philosophy

(A minimum of six credit hours required for the M.A., courses must come from two different categories; a minimum of 12 credit hours required for the Ph.D. with at least one from each of the four categories)

##### I. Ancient and Medieval

- a. Plato
- b. Aristotle
- c. Topics in Ancient/Medieval Philosophy

##### II. Early Modern Philosophy

- a. Rationalists
- b. Empiricists
- c. Topics in Early Modern Philosophy

##### III. Kant

##### IV. 19th and 20th Century Philosophy

- a. Continental I: Phenomenology to Hermeneutics
- b. Continental II: Political Theory and Continental Social Theory

- c. Continental III: From Structuralism to Deconstruction
- d. Marxism
- e. Analytic Philosophy
- f. Topics in Twentieth Century Philosophy

#### Metaphysics, Epistemology, and Logic

(A minimum of three credit hours required for the M.A.; a minimum of nine credit hours required for the Ph.D.)

- I. Seminar in Metaphysics
- II. Seminar in Epistemology
- III. Seminar in the Philosophy of Natural Science (including Math)
- IV. Seminar in the Philosophy of Social Science
- V. Seminar in Logic
- VI. Modal Logic
- VII. Philosophy of Language
- VIII. Philosophy of Mind
- IX. Topics in Contemporary Philosophy (if topic is in the area of metaphysics, epistemology, and logic)

#### Value Theory

A minimum of three (3) credit hours required for the M.A.; a minimum of nine (9) credit hours required for the Ph.D. Only one required value theory class may come from category II)

##### I. General Topics

- a. Seminar in Ethics
- b. Seminar in Social Philosophy
- c. Seminar in Political Philosophy
- d. Seminar in Aesthetics
- e. Topics in Feminist Philosophy

##### II. Specific Topics

- a. Seminar in the Philosophy of Religion
- b. Seminar in the Philosophy of Law
- c. Seminar in the Philosophy of History

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## PHILOSOPHY PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

U.S. Students

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Financial Assistance:</b>	February 1

International Students

<b>Fall:</b>	March 1
<b>Spring:</b>	August 1
<b>Financial Assistance:</b>	January 2

<b>Minimum Total Hours:</b>	90
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active

<b>CIP Code:</b>	38.0101
<b>Dept Code:</b>	PHI
<b>Program (Major/College):</b>	PHI AS

#### CONTACT INFORMATION

<b>College:</b>	Arts and Sciences
<b>Department:</b>	Philosophy
<b>Program Director:</b>	Martin Schönfeld
<b>Other Contact:</b>	Darlene Corcoran
<b>Phone:</b>	813-974-2447
<b>Fax:</b>	813-974-5914
<b>Email:</b>	<a href="mailto:dcorcora@chumal.cas.usf.edu">dcorcora@chumal.cas.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cas.usf.edu/philosophy/index.html">http://www.cas.usf.edu/philosophy/index.html</a>

##### Mailing Address:

University of South Florida  
 Department of Philosophy  
 Philosophy Program  
 4202 E. Fowler Avenue, FAO 226  
 Tampa, FL 33620

---

#### PROGRAM INFORMATION

Contact program for information or visit <http://www.cas.usf.edu/philosophy/index.html>

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### Major Research Areas:

Aesthetics  
 Analytic Philosophy  
 Ancient Greek Philosophy  
 Continental Philosophy  
 Epistemology  
 Ethics and Contemporary Moral Philosophy  
 Modern Philosophy  
 Philosophy of Mind  
 Philosophy of Science  
 Social & Political Philosophy  
 19<sup>th</sup> and 20<sup>th</sup> Century Philosophy

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

Same as university plus the following documents must be submitted:

1. statement of purpose
2. three (3) letters of recommendation
3. A ten (10) page writing sample

In order to be competitive, applicants should submit GRE general test scores of 600V, 600Q, and an analytic score of 5.0.

#### DEGREE PROGRAM REQUIREMENTS

Once admitted, students must successfully complete at least 90 credit hours in accordance with the following requirements:

1. Proseminar I (6 credit hours) and Proseminar II (6 credit hours)
2. Course in Symbolic Logic or Modal Logic (3 credit hours)
3. Coursework in the History of Philosophy from the list appearing in "Areas of Study and Coursework" (12 credit hours)
4. Coursework in Metaphysics, Epistemology, and Logic from the list appearing in "Areas of Study and Coursework" (9 credit hours)
5. Coursework in Value Theory from the list appearing in "Areas of Study and Coursework" (9 credit hours)
6. Coursework or an examination demonstrating reading proficiency in two of the following languages: ancient Greek, Latin, French, German. A substitution for one of these

languages may be approved by the Director of Graduate Studies and the Department Chair

7. 12 credit hours in area(s) of doctoral research
8. A comprehensive examination on a required list of readings constructed by the candidate and a committee of examiners
9. A written prospectus for the dissertation and an oral defense of this prospectus
10. A written dissertation and an oral defense of this dissertation

#### Areas of Study and Coursework

Students will be required to meet the distribution of credit hours described below. While many of the courses could fall into two or more categories, the categories as stated should provide a comprehensive training in philosophy. When there is good reason to approve substitutions for the courses listed, the Director of Graduate Studies has the discretion to approve substitutions on a case-by-case basis. The Department Chair must also approve any substitutions.

#### History of Philosophy

(A minimum of 6 credit hours required for the M.A., courses must come from two different categories; a minimum of 12 credit hours required for the Ph.D. with at least one from each of the four categories)

##### I. Ancient and Medieval

- a. Plato
- b. Aristotle
- c. Topics in Ancient/Medieval Philosophy

##### II. Early Modern Philosophy

- a. Rationalists
- b. Empiricists
- c. Topics in Early Modern Philosophy

##### III. Kant

##### IV. 19th and 20th Century Philosophy

- a. Continental I: Phenomenology to Hermeneutics
- b. Continental II: Political Theory and Continental Social Theory
- c. Continental III: From Structuralism to Deconstruction
- d. Marxism
- e. Analytic Philosophy
- f. Topics in Twentieth Century Philosophy

#### Metaphysics, Epistemology, and Logic

(A minimum of three credit hours required for the M.A.; a minimum of nine credit hours required for the Ph.D.)

- I. Seminar in Metaphysics
- II. Seminar in Epistemology
- III. Seminar in the Philosophy of Natural Science (including Math)
- IV. Seminar in the Philosophy of Social Science
- V. Seminar in Logic
- VI. Modal Logic
- VII. Philosophy of Language
- VIII. Philosophy of Mind
- IX. Topics in Contemporary Philosophy (if topic is in the area of metaphysics, epistemology, and logic)

#### Value Theory

A minimum of three credit hours required for the M.A.; a minimum of nine credit hours required for the Ph.D. Only one required value theory class may come from category II)

##### I. General Topics

- a. Seminar in Ethics
- b. Seminar in Social Philosophy
- c. Seminar in Political Philosophy
- d. Seminar in Aesthetics
- e. Topics in Feminist Philosophy

##### II. Specific Topics

- a. Seminar in the Philosophy of Religion
- b. Seminar in the Philosophy of Law
- c. Seminar in the Philosophy of History

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## PHYSICS PROGRAM

### Master of Science (M.S.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 1
<b>Spring:</b>	September 1
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	40.0801
<b>Dept Code:</b>	PHY
<b>Program (Major/College):</b>	PHY AS

**Concentrations available in:**

**Applied Physics (APM)**  
 Atmospheric Physics (APZ)  
 Atomic and Molecular Physics (AMZ)  
 Laser Physics (LPZ)  
 Materials Physics (MPZ)  
 Medical Physics (MEZ)  
 Optical Physics (OPZ)  
 Semiconductor Physics (SCZ)  
 Solid State Physics (SSZ)

#### CONTACT INFORMATION

<b>College:</b>	Arts and Sciences
<b>Department:</b>	Physics
<b>Program Director:</b>	Dale Johnson
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-5125
<b>Fax:</b>	813-974-5813
<b>Email:</b>	<a href="mailto:phygrad2@cas.usf.edu">phygrad2@cas.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cas.usf.edu/physics/">http://www.cas.usf.edu/physics/</a>

**Mailing Address:**

University of South Florida  
 Department of Physics  
 Physics Program  
 4202 E. Fowler Avenue, PHY114  
 Tampa, FL 33620

---

#### PROGRAM INFORMATION

Contact program for information.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

Same as university plus three letters of recommendation and a statement of purpose. GRE scores required.

#### DEGREE PROGRAM REQUIREMENTS

Students admitted to the graduate program in Physics, will consult with the Physics Director of Graduate Studies, who will be the student's course advisor and monitor the student's progress. After a decision has been made concerning the student's academic goals, the duties of graduate advising will be assumed by the major professor and the supervisory committee appointed by the department chairperson. In keeping with the student's

academic goals, the supervisory committee will determine the appropriate course of study and examinations required for graduation for both the thesis and non-thesis options.

**Thesis**

The student desiring the M.S. degree with a thesis is required to take a minimum of 30 credits, no more than six (6) of which may be for PHY 6911, PHY 6935, and PHY 6971. Of these 30 credits, 16 must be in physics courses numbered 6000 or above. The student must present a thesis acceptable to the supervisory committee covering research work amounting to a minimum of six (6) units of credit in PHY 6971.

**Non-Thesis**

The student desiring the M.S. degree without a thesis is required to take a minimum of 30 credits, no more than three of which may be for PHY 6909, PHY 6911, PHY 6935, and PHY 6971. Of these 30 credits, 16 must be in physics courses numbered 6000 or above. The student must pass a comprehensive examination.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## PHYSICS (APPLIED PHYSICS) PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 1
<b>Spring:</b>	September 1
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	90
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active

<b>CIP Code:</b>	40.0801
<b>Dept Code:</b>	PHY
<b>Program (Major/College):</b>	APD AS

##### Concentrations available in:

Atmospheric Physics, Atomic and Molecular Physics, Computational Physics, Laser Physics, Materials Physics, Bio/Biomedical Physics, Optical Physics, Semiconductor Physics, Solid State Physics

#### CONTACT INFORMATION

<b>College:</b>	Arts and Sciences
<b>Department:</b>	Physics
<b>Program Director:</b>	Dale Johnson
<b>Other Contact:</b>	
<b>Phone:</b>	813-974-5125
<b>Fax:</b>	813-974-5813
<b>Email:</b>	<a href="mailto:phygrad2@cas.usf.edu">phygrad2@cas.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cas.usf.edu/physics/">http://www.cas.usf.edu/physics/</a>

##### Mailing Address:

University of South Florida  
Physics  
Physics, Applied Program  
4202 E. Fowler Avenue, PHY114  
Tampa, FL 33620

#### PROGRAM INFORMATION

This program emphasizes the practical, engineering applications of theoretical and fundamental physical concepts. The program encompasses the areas of laser physics, materials physics, computational physics, environmental physics and sensors, biomedical physics and imaging science.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

Same as University plus three letters of recommendation and a statement of purpose. GRE scores required.

#### DEGREE PROGRAM REQUIREMENTS

The program requires a total of 90 credit hours distributed as follows:

Core Courses in theoretical and applied areas	24 hrs
Lab training	6 hours
Electives	9 hours
Directed and Dissertation Research	45-51 hours

An important feature of this program is a course in laboratory measurement and instrumentation and a field-site industrial practicum, which comprise the six hours of lab training.

##### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>



## PHYSICS / ENGINEERING SCIENCE JOINT PROGRAM

### Dual Degree (Joint degree) Master of Science (M.S.) Degree

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
See listings for Physics and Engineering Science

**Minimum Total Hours:** 51  
**Program Level:** Masters  
**Program Status:** Active

**CIP Codes:** 40.0801 and 14.0101  
**Dept Codes:** PHY and ESB  
**Program (Major/College):** PHY AS and EGC EN

**Also offered as:**  
 Joint Ph.D. Degree – Physics/Engineering Science  
 Interdisciplinary Program - Ph.D. in Engineering Science

#### CONTACT INFORMATION

**Colleges:** College of Arts and Sciences  
 College of Engineering

**Departments:** Physics, Engineering Science

**Program Director:** Dale Johnson

**Other Contact:** n/a

**Phone:** 813-974-5125  
**Fax:** 813-974-5813  
**Email:** [phygrad2@cas.usf.edu](mailto:phygrad2@cas.usf.edu)  
**Web Address:** <http://www.cas.usf.edu/physics/>

**Mailing Address:**  
 University of South Florida  
 Department of Physics  
 Physics Program  
 4202 E. Fowler Avenue, PHY114  
 Tampa, FL 33620

#### PROGRAM INFORMATION

This Joint Degree Program is based on the synergism of Physics course offerings with the currently existing Microelectronics Option of the Electrical Engineering M.S. Program. The 51 credit hour (three year) Joint Program will culminate with the student receiving an M.S. degree in Physics and a M.S. degree in Engineering Science administered by the Electrical Engineering Department. The program includes a single thesis with participation by both Departments.

**Accreditation:**  
 Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

#### Program Admission Requirements

See listings for Physics and Engineering Science.

#### Program Admission Deadlines

See deadlines for Physics and for Engineering Science.

#### DEGREE PROGRAM REQUIREMENTS

Contact the program for information.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## PHYSICS / ENGINEERING SCIENCE JOINT PROGRAM

### Dual Degree (Joint degree) Doctor of Philosophy (Ph.D.) Degree

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	See listings for Physics and Engineering Science
<b>Minimum Total Hours:</b>	90
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active
<b>CIP Codes:</b>	40.0801 and 14.0101
<b>Dept Codes:</b>	PHY and ESB
<b>Program (Major/College):</b>	PHY AS and EGC EN

#### CONTACT INFORMATION

<b>Colleges:</b>	Arts and Sciences, Engineering
<b>Departments:</b>	Physics, Engineering Science
<b>Program Director:</b>	Dale Johnson
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-5125
<b>Fax:</b>	813-974-5813
<b>Email:</b>	<a href="mailto:phygrad2@cas.usf.edu">phygrad2@cas.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cas.usf.edu/physics/">http://www.cas.usf.edu/physics/</a>
<b>Mailing Address:</b>	University of South Florida Department of Physics Physics Program 4202 E. Fowler Avenue, PHY114 Tampa, FL 33620

#### PROGRAM INFORMATION

Under an interdisciplinary arrangement with the College of Arts and Sciences and the College of Engineering, the physics graduate students may obtain a Ph.D. in Engineering under the dissertation direction of a Physics Director of Graduate Studies.

#### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

#### Program Admission Requirements

See listings for Physics and Engineering Science.

#### Program Admission Deadlines

See deadlines for Physics and for Engineering Science

#### DEGREE PROGRAM REQUIREMENTS

Contact the program for information.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## POLITICAL SCIENCE PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	45.1001
<b>Dept Code:</b>	GIA
<b>Program (Major/College):</b>	POL AS

#### CONTACT INFORMATION

<b>College:</b>	Arts and Sciences
<b>Department:</b>	Government and International Affairs
<b>Program Director:</b>	Steven Tauber
<b>Other Contact:</b>	
<b>Phone:</b>	813-974-2384
<b>Fax:</b>	813-974-0832
<b>Email:</b>	<a href="mailto:stauber@cas.usf.edu">stauber@cas.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cas.usf.edu/GIA">www.cas.usf.edu/GIA</a>

##### Mailing Address:

University of South Florida  
Government and International Affairs  
Political Science Program  
4202 E. Fowler Avenue, SOC107  
Tampa, FL 33620

---

#### PROGRAM INFORMATION

The graduate program leading to the M.A. in Political Science is designed to offer advanced general instruction in Political Science. It prepares its graduates for positions of responsibility in the public and private sectors, as well as in research, teaching, and study at the doctoral level. For instructional purposes, the graduate curriculum in Political Science has been divided into three fields:

##### Field 1 Comparative Government and Politics (courses with a CPO prefix)

##### Field 2 International Relations (courses with an INR prefix)

##### Field 3 Public Policy (courses with a PUP, POS, POT, URP, or PAD prefix)

Students select one field as a major area and another field as a minor area. They must consult with the graduate coordinator to map out a course plan.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

Same as university plus:

- three (3) letters of recommendation

- and a 500 word statement of purpose
- must have an undergraduate background in political science.

#### DEGREE PROGRAM REQUIREMENTS

A minimum of 36 hours of graduate level course work distributed according to the following five categories:

- Required Research Methods Sequence (6 hours): POS 6735 (3), POS 6736 (3)
- Major field ( 15 hours): Core course in major area (either CPO 6901, INR 6007 or PUP 6007, and 4 additional courses.
- Minor field ( 9 hours): Core course in major area (either CPO 6991, INR 6007 or PUP 6007, and 2 additional courses.
- Thesis (Minimum of 6 hours): POS 6971.

To earn an MA in Political Science students are required to complete a thesis that provides new insight into a relevant topic in political science or international studies. As students approach the thesis stage, they need to compose a thesis committee consisting of a major professor, who must be a member of the Department of Government and International Affairs, and two readers. One of the two readers can be from another department, but that person must first be approved by the program director. The thesis committee must approve proposals before students embark on their projects. Students must prepare a written thesis and defend their work in a formal oral presentation before their committee.

**Comprehensive Examination** - After finishing course work each student must pass a written comprehensive examination covering his or her major and minor fields. These examinations must be taken before completion of the thesis and thesis defense. Students cannot enroll in thesis hours before the semester they have signed up to take their exams.

**Course Listings-**

CPO 5934	CPO 6036	CPO 6091
INR 5012	INR 5086	INR 6007
INR 6036	INR 6107	
PAD 6060	PAD 6275	PAD 6307
PAD 6338	PAD 6339	PAD 6355
POS 5094	POS 5155	POS 6045
POS 6095	POS 6127	POS 6157
POS 6415	POS 6427	POS 6455
POS 6607	POS 6698	
POT 5626	POT 6007	
PUP 5607	PUP 6007	
URP 6056		

Students may take a maximum of 3 hours of Independent Study (POS 6909) and 3 hours maximum of Directed Research (POS 6919)

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## PSYCHOLOGY PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

Students are not admitted to a terminal M.A. degree in Psychology. See deadlines for Ph.D. in Psychology

**Minimum Total Hours:** 30  
**Program Level:** Masters  
**Program Status:** Active

**CIP Code:** 42.0101  
**Dept Code:** PSY  
**Program (Major/College):** PSY AS

**Concentrations available in:**

Clinical Psychology (PSC)  
 Cognitive and Neural Sciences (PCN)  
 Industrial-Organizational Psychology (PSI)

#### CONTACT INFORMATION

**College:** Arts and Sciences  
**Department:** Psychology  
**Program Director:** Michael T. Brannick  
**Other Contact:**  
**Phone:** 813-974-2492  
**Fax:** 813-974-4617  
**Email:** [mbrannic@luna.cas.usf.edu](mailto:mbrannic@luna.cas.usf.edu)  
**Web Address:**  
<http://www.cas.usf.edu/psychology/>

**Mailing Address:**

University of South Florida  
 Department of Psychology  
 Psychology Program  
 4202 E. Fowler Avenue, PCD4118G  
 Tampa, FL 33620

---

#### PROGRAM INFORMATION

The graduate faculty of the Psychology Department is divided into three broad concentrations: Clinical, Cognitive and Neural Sciences, and Industrial-Organizational. Each of these areas offer Ph.D. level training in the following areas of special expertise.

**Clinical** – Personality and Psychopathology, Psychological Assessment and Interventions, Health Psychology, Addictive Behaviors, Clinical Child Psychology, Clinical Neuropsychology.

**Cognitive and Neural Sciences** – Behavioral Neuroscience, Cognition, Judgment and Decision Making, Language Development, Memory, Perception. In addition, with faculty in Communication Sciences and Disorders, the Cognitive and Neural Sciences faculty offer a specialization in Speech/Language/Hearing Sciences.

**Industrial-Organizational** – Selection, Training and Evaluation of Organization Members, Job Analysis, Motivation and Satisfaction, Occupational Health Psychology, Organizational Theory, Leadership, Organizational Change. Methodological offerings across areas cover Psychometrics, Statistics, Factor Analysis, Structural Equation Modeling, and Research Design.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools; Clinical Program: American Psychological Association, and the Academy of Psychological Clinical Science.

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

Not a terminal MA. See Ph.D. Requirements.

**DEGREE PROGRAM REQUIREMENTS**

The Department of Psychology does not admit students seeking a terminal M.A. degree in Psychology. The student must complete 30 hours of graduate Psychology courses and all area requirements. All students are required to complete two quantitative methods courses (PSY 6217A, PSY 6217B). In addition, the student must complete core courses required by their program areas. The student must successfully pass an oral examination.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## PSYCHOLOGY PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	
Clinical:	December 15
Cognitive and Neural Sciences:	January 15
Industrial-Organization:	January 15

<b>Minimum Total Hours:</b>	90
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active

<b>CIP Code:</b>	42.0101
<b>Dept Code:</b>	PSY
<b>Program (Major/College):</b>	PSY AS

##### Concentrations available in:

Clinical Psychology (PSC)  
Cognitive and Neural Sciences (PCN)  
Industrial-Organizational Psychology (PSI)

#### CONTACT INFORMATION

<b>College:</b>	Arts and Sciences
<b>Department:</b>	Psychology
<b>Program Director:</b>	Michael T. Brannick
<b>Other Contact:</b>	
<b>Phone:</b>	813-974-2492
<b>Fax:</b>	813-974-4617
<b>Email:</b>	<a href="mailto:mbrannic@luna.cas.usf.edu">mbrannic@luna.cas.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cas.usf.edu/psychology/">http://www.cas.usf.edu/psychology/</a>

##### Mailing Address:

University of South Florida  
Department of Psychology  
Psychology Program  
4202 E. Fowler Avenue, PCD4118G  
Tampa, FL 33620

---

#### PROGRAM INFORMATION

The graduate faculty of the Psychology Department is divided into three broad concentrations: Clinical, Cognitive and Neural Sciences, and Industrial-Organizational. Each of these areas offer Ph.D. level training in the following areas of special expertise.

##### Clinical –

Personality and Psychopathology, Psychological Assessment and Interventions, Health Psychology, Addictive Behaviors, Clinical Child Psychology, Clinical Neuropsychology.

##### Cognitive and Neural Sciences –

Behavioral Neuroscience, Cognition, Judgment and Decision Making, Language Development, Memory, Perception. In addition, with faculty in Communication Sciences and Disorders, the Cognitive and Neural Sciences faculty offer a specialization in Speech/Language/Hearing Sciences.

##### Industrial-Organizational –

Selection, Training and Evaluation of Organization Members, Job Analysis, Motivation and Satisfaction, Occupational Health Psychology, Organizational Theory, Leadership, Organizational Change. Methodological offerings across areas cover Psychometrics, Statistics, Factor Analysis, Structural Equation Modeling, and Research Design.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools; Clinical Program: American Psychological Association, and the Academy of Psychological Clinical Science.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

University requirements plus a personal goals statement and three letters of recommendation, strong preference for GRE V500 or better, GREQ 600 or better, upper division undergraduate GPA 3.4 or better.

#### DEGREE PROGRAM REQUIREMENTS

The Ph.D. in Psychology is offered in the fields of Clinical, Cognitive and Neural Sciences, and Industrial/Organizational Psychology.

Advanced doctoral-level requirements are determined by the student and the Ph.D. committee. In addition to the completion of all M.A. requirements in Psychology or its equivalent:

- 1) The Cognitive and Neural Sciences and Industrial-Organization programs require the student to take a graduate minor. A minor program of study,

composed of work done outside the student's field of concentration and including a minimum of two appropriate graduate level courses, is required by the department for admission to Ph.D. candidacy. The minor must be approved by the student's Ph.D. committee and the Department of Psychology.

- 2) Successful completion of a comprehensive examination or major area area paper.
- 3) A one-year internship in an approved clinical facility for Ph.D. Students in the Clinical Psychology Program.
- 4) Six months of internship in approved industrial or community agencies as available for Ph.D. Students in the Industrial/Organizational Psychology Program.

### **COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## PUBLIC ADMINISTRATION PROGRAM

### Master of Public Administration (M.P.A.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	42-51
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	44.0401
<b>Dept Code:</b>	GIA
<b>Program (Major/College):</b>	PAD AS

##### Also offered as:

A Doctoral Minor in Public Administration

#### CONTACT INFORMATION

<b>College:</b>	Arts and Sciences
<b>Department:</b>	Government and International Affairs

**Interim Program Director:** Mohsen Milani

##### Other Contact:

<b>Phone:</b>	813-974-2510
<b>Fax:</b>	813-974-0804

**Email:** [Milani@cas.usf.edu](mailto:Milani@cas.usf.edu)

**Web Address:** <http://www.cas.usf.edu/pad/index.html>

##### Mailing Address:

University of South Florida  
Government and International Affairs  
Public Administration Program  
4202 East Fowler Avenue, SOC107  
Tampa, FL 33620-8100

---

#### PROGRAM INFORMATION

The Public Administration Program offers a multi-disciplinary course of study leading to the Master of Public Administration (M.P.A.). The M.P.A. degree is designed primarily to prepare students for successful leadership roles and management careers in the public (i.e., governmental and quasi-governmental organizations) and non-profit sectors. Students enrolled in the M.P.A. Program pursue careers in local, state, or federal agencies of government, non-profit organizations, and special service districts. Additionally the M.P.A. degree prepares individuals for further academic study leading to a doctorate in Public Administration, a Ph.D. in Public Policy and Administration, as well as a variety of other disciplines.

Those employed in public management positions may wish to pursue the M.P.A. in order to broaden educational backgrounds to prepare for increased job responsibilities, or to change career paths. Such in-service students currently make up the majority of the M.P.A. student body.

The Public Administration Program also offers courses of study leading to a Graduate Certificate in Public Management (G.C.P.M.) and Graduate Certificate in Nonprofit Management (G.C.N.M.). These programs are designed for individuals who wish to acquire knowledge of public and nonprofit management theory and practices, but who do not find it necessary or feasible to pursue the M.P.A. degree. The M.P.A. Program also serves pre-service students who have recently completed a bachelor's degree, who wish to gain entry to a professional career track. Students admitted to the M.P.A.

are not eligible for the Graduate Certificate in Public Management.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools; the National Association of Schools of Public Affairs and Administration (NASPAA).

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

Admission decisions to the M.P.A. Program are based on an overall assessment of the applicant's potential for successfully completing the M.P.A. degree. General admission criteria include scores obtained on the Graduate Record Examination (GRE), performance as an undergraduate student, life experience/work, and letters of recommendation. Specific criteria are:

1. Completion of a Bachelor's degree from a regionally accredited university.
2. The University of South Florida requires a 3.00 (B) grade point average (calculated using grades earned for all coursework completed during junior and senior years of undergraduate study), and GRE scores of 500V, 500Q, 4.0AW or better preferred. This provision applies to all applicants, including those who have already completed courses in the MPA curriculum. Regardless of GPA, those who



score 850 or below on the GRE, are required to retake the exam.

3. Two letters of recommendation, one from a faculty member familiar with the applicant's academic performance and potential. Should the applicant be unable to provide the letter from a former professor, with the director's approval, letters from other sources will be accepted.
4. The submission of a one-page career statement detailing the applicant's career goals and aspirations, including ways in which the applicant believes the M.P.A. degree can help to facilitate the stated goals.
5. A statement, if applicable, describing the applicant's current and/or past managerial work experience in the public or non-profit sectors.
6. Approval by the M.P.A. Admissions Committee and, if deemed necessary, an admissions interview. Applicants lacking the background necessary for graduate study in the M.P.A. Program may be asked to take additional undergraduate courses prior to admission.

### DEGREE PROGRAM REQUIREMENTS

The M.P.A. required curriculum is 42-51 credit hours. All students must complete a core of nine courses (27 hours) and either four or six courses (12-18 hours) in elective coursework selected in consultation with an advisor. Students with appropriately documented administrative work experience commensurate with their career goals may not be required to complete an internship in a public or nonprofit agency. However, students without practical administrative experience in a public or nonprofit sector must complete an internship (6 hours).

The number of elective courses required depends upon the exit option selected by the student. The Problem Report exit option requires four (4) elective courses, as well as registration for PAD 6909, Problem Report for three (3) hours. The Capstone course exit option requires students take 6 elective courses, one of which will be PAD 6056, The Practice of Public Management.

At least 24 credit hours must be taken at the 6000 level. A minimum of 27 credit hours must be taken in formal, regularly scheduled classes. Courses at the 5000 level are accepted for credit toward the M.P.A. degree.

#### Core Courses

PAD 5700 Research Methods in Public Administration  
 PAD 6060 Public Administration Theory and Practice  
 PAD 6041 Ethics and Public Service  
 PAD 6227 Public Budgeting  
 PAD 6307 Policy Analysis, Implementation, and Program Evaluation  
 PAD 6417 Human Resources Management

PAD 6703 Quantitative Aids for Public Managers  
 PAD 6710 Public Information Management  
 PAD 6275 Political Economy for Public Managers

#### Electives (12-18 credit hours)

Each student must take 12-18 elective credit hours depending on the exit option chosen. Students should refer to the MPA website <http://www.cas.usf.edu/pad/index.html> for courses approved by the Program.

#### Internship (6 credit hours)

Pre-service students are required to complete a supervised internship (PAD 6946. Internship in Public Administration) in a governmental or non-profit organization. Internships provide students the opportunity to gain valuable experience in the public sector, thereby enhancing the academic course of study.

Internship credits must be earned while the student is in residence and before the student has completed regular course work requirements. Exceptions to this rule can only be made by the M.P.A. Director and must be made in advance. In-service students who have appropriate managerial/work experience commensurate with their career goals, may not be required to complete an internship. After consultation with the student, the M.P.A. Director may choose to waive the internship requirement.

#### Exit Requirements

##### Capstone Course (3 credit hours)

PAD 6056, The Practice of Public Management, is a final step before graduation. To be eligible to enroll in the capstone course, students must have completed a minimum of 39 credit hours (13 courses). This course is designed to provide the student with an opportunity to apply the knowledge and skills acquired during studies in the Public Administration Program. This course is designed to challenge students to test managerial proficiency, develop capabilities in synthesizing and integrating conceptual frameworks, and to relate these skills to real managerial situations.

OR

##### **PAD 6909 Problem Report (3 credit hours)**

The Problem Report focuses on a significant administrative/policy problem confronting a public or nonprofit manager or agency. Upon completion, the student should have demonstrated the ability to identify a problem and a set of solutions, collect and analyze relevant data, and present and defend a recommended course of action intended to solve the problem. The student is expected to present and be prepared to defend these findings (both verbally and in writing) to a committee. This option is available only after the student has obtained faculty advisors and submitted a written proposal that complies with Problem Report requirements. Copies of Problem Report, the proposal

guidelines, and expectations can be obtained from the M.P.A. Program or M.P.A. website. Students selecting this exit option must complete four elective courses. This requirement is to be completed near the end of the student's course of study. In-service students must select a problem for study that lies outside their immediate work-related responsibilities. The Problem Report Committee shall consist of at least two M.P.A. faculty and, where appropriate, and with permission of the examination committee, a qualified person outside the M.P.A. Program. A minimum grade of "B" must be achieved on the Problem Report. Students must register for PAD 6909 Problem Report, (3 credit hours).

**Doctoral Minor in Public Administration**

Students enrolled in doctoral level courses of study in other programs (e.g., Anthropology, Psychology, Education) can, with their program's approval, complete a doctoral minor in Public Administration.

Students should complete a minimum of four graduate public administration courses to be determined with the advice and consent of an M.P.A. faculty member or M.P.A. Director.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## REHABILITATION AND MENTAL HEALTH COUNSELING PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15

<b>Minimum Total Hours:</b>	60/150
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	51.2310
<b>Dept Code:</b>	REH
<b>Program (Major/College):</b>	REH AS

**Concentrations available in:**

Addictions and Substance Abuse Counseling (ASA)  
Marriage and Family Therapy (MFL)

Also offered as a 5-year program

#### CONTACT INFORMATION

<b>College:</b>	Arts and Sciences
<b>Department:</b>	Rehabilitation and Mental Health Counseling
<b>Program Director:</b>	Michael Richard
<b>Other Contact:</b>	Charlotte G. Dixon
<b>Phone:</b>	813-974-2855
<b>Fax:</b>	813-974-8080
<b>Email:</b>	<a href="mailto:rehgrad@chumal.cas.usf.edu">rehgrad@chumal.cas.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cas.usf.edu/rehab_counseling/index.html">http://www.cas.usf.edu/rehab_counseling/index.html</a>

**Mailing Address:**

University of South Florida  
Rehabilitation and Mental Health Counseling  
Graduate Program  
4202 E. Fowler Avenue, SOC107  
Tampa, FL 33620

---

#### PROGRAM INFORMATION

The Department of Rehabilitation and Mental Health Counseling trains counselors to work with physically, mentally, emotionally, and chemically disabled individuals. Training emphasizes psychological, social, medical, and vocational aspects of disability, and also the development and refinement of personal adjustment counseling skills. Graduates with this M.A. are prepared for careers as both rehabilitation specialists and mental health counselors.

The Department offers only the M.A. degree. Most students are admitted after earning a baccalaureate degree in one of the behavioral, social, health-related, or educational disciplines (REH). A Five-Year Program (REF) Five-Year Program (REF) is available to undergraduates with strong academic credentials, and undergraduates interested in this program should contact the department during their sophomore year. The Department offers areas of concentration: one in Addictions and Substance Abuse Counseling and a second in Marriage and Family Therapy. Each student may elect to pursue a program of specialization in either area. The Addictions and Substance Abuse counseling program is approved by the Certification Board for Addictions Professionals of Florida (CBAPF Approved Provider #179A)

The graduate program in Rehabilitation and Mental Health Counseling is fully accredited by the Council of Rehabilitation Education (CORE). Upon completion of the program, graduates are eligible to sit for the national

examination to become a Certified Rehabilitation Counselor (CRC). With additional course work and 3 years' experience, graduates are also eligible to take the examination for state licensure as a Mental Health Counselor. For a complete description of the department and its program, visit the department's Web page at: [http://www.cas.usf.edu/rehab\\_counseling/index.html](http://www.cas.usf.edu/rehab_counseling/index.html)

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

Same as university requirements plus:

1. three letters of recommendation, and
2. a personal statement
3. GRE required; 500V, 500Q, 4.0AW

#### DEGREE PROGRAM REQUIREMENTS

The department offers both a thesis and a non-thesis program. There is no language requirement; however, a comprehensive examination is required of all students. The following 54-hour core curriculum is consistent with national certification standards for rehabilitation

counselors and must be taken by all students (post-baccalaureate, five-year, thesis, and non-thesis).

RCS 5080 (3)	RCS 5020 (3)	RCS 5780 (3)
RCS 6220 (3)	RCS 6300 (3)	RCS 6407 (3)
RCS 6408(3)	RCS 6440 (3)	RCS 6740 (3)
RCS 6825 (3)	RCS 6803 (6)	RCS 5480 (3)
RCS 5450 (3)	RCS 6510 (3)	RCS 6930 (6)
RCS 5035 (3)		

#### **Non-Thesis**

Students in the non-thesis program must complete a minimum of 60 hours in the Post-Baccalaureate Program (REH) and 150 hours in the Five-Year Program (REF). Electives may be taken from Rehabilitation and Mental Health Counseling offerings or from offerings outside the department with the consent of an advisor.

#### **Thesis**

All students are initially admitted to the non-thesis program. Admitted students may subsequently apply to the faculty for a thesis program. Students in a thesis program must complete a minimum of 60 hours in the Post-Baccalaureate Program (54-hr.) core curriculum plus a minimum of three (3) hours of RCS 6970, and no less than 150 hours in the

**Five-Year Program** (including 54-hour core curriculum plus three (3) hours of RCS 6970).

Additional hours to complete the minimum of 150 hours for students in the Five-Year Program may be elected from other Rehabilitation and Mental Health Counseling offerings or from related programs with the consent of the advisor. An oral defense of the thesis is required.

#### **COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## RELIGIOUS STUDIES PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	38.0201
<b>Dept Code:</b>	REL
<b>Program (Major/College):</b>	REL AS

#### CONTACT INFORMATION

<b>College:</b>	Arts and Sciences
<b>Department:</b>	Religious Studies
<b>Program Director:</b>	James F. Strange
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-1845
<b>Fax:</b>	813-974-1853
<b>Email:</b>	<a href="mailto:strange@chumal.cas.usf.edu">strange@chumal.cas.usf.edu</a>
<b>Web Address:</b>	<a href="http://zulu.cas.usf.edu/Rel/">http://zulu.cas.usf.edu/Rel/</a>

##### Mailing Address:

University of South Florida  
Religious Studies  
Religious Studies Program  
4202 E. Fowler Avenue, CPR107  
Tampa, FL 33620

---

#### PROGRAM INFORMATION

The M.A. degree in Religious Studies provides opportunities for students with backgrounds in the scholarly study of religion to expand their knowledge of the social, cultural, and historical contexts of religion, to develop a greater in-depth knowledge of particular religious traditions, and to acquire proficiency with a wide variety of pertinent methodologies and theoretical perspectives. This degree serves the needs of students interested in teaching or counseling. It will be of special value to those interested in pursuing a doctorate in religious studies. For those interested in pre-collegiate level teaching, a dual degree in the M.A. in Religious Studies and M.A. in Education is available.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### Major Research Areas:

Hebrew Bible, New Testament, Formative Christianity, Formative Judaism, Christian Apocrypha, Gnosticism, Biblical languages, History of Judaism, Jewish Studies, the History of Christianity, Material Culture and Religion, Biblical Archaeology, Greco-Roman Religions, Buddhism, Southeast Asian Religions, Classical Islam, Islam in America, Afro-American Islam, Women in Islam, Hinduism, Chinese Religion, Post Modern Philosophy in the study of Religion, Comparative Literature and Cultural Studies in Religion, Religious Ethics, Religion, Ethics, and Society, Comparative Religion, Goddess Religion, Religion and Medicine, Religion in America, New Religions, Religion and Culture, Religion and Public Policy, Afro-American Religious History; Women and Religion; Religious Mysticism; Contemporary Religious Thought; African

Religion; Liberation Theology and Religion, Religious Utopianism, post-Holocaust Jewish and Christian Thought, Religion and Modernization, Religion and Law, Biomedical Ethics, Religion and Genetic Engineering.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

Same as university plus:

1. Three (3) letters of recommendation, and
2. A writing sample
3. GRE required, but no minimum specified

#### DEGREE PROGRAM REQUIREMENTS

Students select a major professor and develop a plan for completing a minimum of 36 credit hours, including a six (6) credit thesis project. The plan of study is subject to approval of the Graduate Committee. A majority of these courses will be in religious studies, although the plan may include approved courses in other departments. No more than 6 credit hours of 4000-level courses may be counted for graduate credit. There is no uniform language requirement; however, language skills may be required for particular areas of study. All students are required to demonstrate expertise in at least two religious traditions, as well as satisfactorily complete a written, comprehensive examination wherein they demonstrate competence in:

- 1) pertinent theoretical issues and research methodologies;
- 2) the analysis and interpretation of related texts, artifacts, and activities; and
- 3) social and historical contexts of the religions studied.

The Department of Religious Studies "Graduate Student Handbook" should be consulted for additional information about basic requirements and specific procedures.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## RELIGIOUS STUDIES / EDUCATION PROGRAM

### Dual Degree Program Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
Program is not accepting applications

**Minimum Total Hours:** n/a  
**Program Level:** Masters  
**Program Status:** Inactive

**CIP Codes:** 38.0201  
**Dept Code:** REL  
**Program (Major/College):** REL AS

#### CONTACT INFORMATION

**Colleges:** Arts and Sciences and  
Education  
**Departments:** Religious Studies  
**Program Director:** James F. Strange  
**Other Contact:** n/a  
**Phone:** 813-974-1845  
**Fax:** 813-974-1853  
**Email:** [strange@chumal.cas.usf.edu](mailto:strange@chumal.cas.usf.edu)  
**Web Address:** <http://zulu.cas.usf.edu/Rel/>

**Mailing Address:**  
University of South Florida  
Religious Studies/Education  
Dual Degree Program  
4202 E. Fowler Avenue, CPR107  
Tampa, FL 33620

---

**INACTIVE.** Currently, no students are being admitted to this program

## SECOND LANGUAGE ACQUISITION AND INSTRUCTIONAL TECHNOLOGY PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	75
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.401
<b>Dept Code:</b>	EDI
<b>Program (Major/College):</b>	DLT EJ

*Cross-listed under the College of Arts and Sciences, the College of Education and the Interdisciplinary Programs Sections.*

#### CONTACT INFORMATION

<b>Colleges:</b>	Education and Arts and Sciences
<b>Department:</b>	Secondary Education
<b>Program Directors:</b>	Carine Feyten, College of Education and Jeffra Flaitz, College of Arts and Sciences 813-974-3400
<b>Phone:</b>	813-974-3400
<b>Email:</b>	<a href="mailto:feytten@usf.edu">feytten@usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/slait">http://www.coedu.usf.edu/slait</a>

##### Mailing Address:

University of South Florida  
College of Education  
SLAIT Program  
4202 E. Fowler Avenue, EDU162  
Tampa, FL 33620

---

#### PROGRAM INFORMATION

This is an interdisciplinary program between the College of Education and the College of Arts and Sciences and combines the expertise of both faculties to provide a curriculum in pedagogy, world language education, second language acquisition, sociolinguistics, socio-cultural theory, instructional technology, and statistics, research design. The goal of the program is to prepare students for careers in academia.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### Major Research Areas:

Second Language Acquisition, Instructional Technology, Foreign Language Education, Distance Learning.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Admission Requirements

In addition to the general admission requirements under the advanced graduate education programs, applicants must:

1. Submit a "Statement of Purpose" relating their career goals specifically to this doctoral program and describing their experience with instructional technology and language teaching;

2. Supply a current curriculum vitae;
3. Provide 3 letters of recommendation from professors or other individuals who can attest to the applicant's experience and background;
4. Offer evidence of research experience or scholarly promise;
5. Meet with the graduate faculty for a personal interview;
6. Take a two-hour background assessment to assist faculty in planning the prospective student's program of studies.

##### Most students admitted to this program will:

1. Possess a Master's degree (or equivalent academic level) from a regionally accredited institution or its international equivalent;
2. present a minimum GPA of 3.5 (or international equivalent)
3. score at or above 500 on the GRE verbal reasoning and 4 on the GRE analytical writing section;
4. Submit a TOEFL score (550 paper-based, 250 computer-based, or 80 internet-based test).

The faculty will evaluate each applicant's dossier based on a composite of variables and goodness of fit with the program.



**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>.

### **DEGREE PROGRAM REQUIREMENTS**

**Program of Study:** 75 credit hours - core courses (45-46 semester hours); electives 9-12 semester hours; dissertation (18 semester hours)

**COURSES** -See <http://www.ugs.usf.edu/sab/sabs.cfm>

### **OTHER INFORMATION**

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida Department of Education program approval standards, and accreditation criteria.

## SOCIAL WORK PROGRAM

### Master of Social Work (M.S.W.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**
**Full-time Program:**

**Fall:** February 15  
Fall admission only

**Part-time program:** Tri-ennial admissions cycle. Contact School for further information.

**Minimum Total Hours:** 60/48

**Program Level:** Masters

**Program Status:** Active

**CIP Code:** 44.0701

**Dept Code:** SOK

**Program (Major/College):** SOK AS

**Also offered as:** Dual Degree –  
M.S.W./MPH

#### CONTACT INFORMATION

**College:** Arts and Sciences

**Department:** School of Social Work

**Program Director:** William Rowe

**Other Contact:** Marsha Marley

**Phone:** 813-974-2063

**Fax:** 813-974-4675

**Email:** [sokoffice@cas.usf.edu](mailto:sokoffice@cas.usf.edu)

**Web Address:**

[http://www.cas.usf.edu/social\\_work/](http://www.cas.usf.edu/social_work/)

**Mailing Address:**

University of South Florida

School of Social Work

Social Work Program

4202 E. Fowler Avenue, MGY132

Tampa, FL 33620

---

#### PROGRAM INFORMATION

The School of Social Work offers a program leading to a Master of Social Work (M.S.W.) degree. The program is fully accredited by the Council on Social Work Education. A dual-degree program is available with Public Health/Maternal and Child Health.

The primary objective of the program is preparation of the graduate for professional social work practice through acquisition of specialized knowledge and skills necessary for clinical practice with individuals, families, and groups. The secondary objectives of the M.S.W. program are:

1. to prepare students academically for pursuit of doctoral education in social work or related human service disciplines or professions;
2. to contribute to the needed supply of professionally educated clinical social workers in the Tampa Bay area, the state, the region, and the nation.

The M.S.W. program offers a specialized course of study in direct clinical practice. The program offers students a core curriculum, plus electives, and a supervised field experience designed to produce professionals with individual, family, and group practice skills. The M.S.W. program is designed to produce specific competencies for clinical practice. Graduates of the M.S.W. program should demonstrate:

1. practice competency in relationship skills;

2. knowledge of the interrelationships in the biological, psychological, and sociocultural factors in human life, including the impact of disease, injury, and emotional distress and their implications for social work practice;
3. skill in methods of scientific inquiry for the purpose of advancing professional knowledge and practice;
4. basic skill in the application of a range of social work treatment methodologies for the purpose of differential diagnosis and intervention;
5. practice competency in applying a biopsychosocial approach to the assessment of human problems;
6. practice competency in applying a biopsychosocial approach to treatment of human problems through individual, family, and group modalities;
7. a basic knowledge of managerial processes in social services, including program planning, personnel management, finance, and evaluation.

The M.S.W. program places great emphasis on standards of professional behavior and ethics in the practice of social work. Entrance into the M.S.W. program does not guarantee graduation from the program. Students

admitted to the M.S.W. program must maintain a minimum GPA of 3.0, in all social work courses, with no grade below "C" counting toward graduation. Failure to maintain the specified GPA or to exhibit responsible professional behavior determined by the School may result in suspension or dismissal from the program. Courses with grades below "C" must be repeated before progressing to the next sequence. Students must pass the comprehensive exam during the last semester in order to graduate from the program.

Students may pursue the M.S.W. program on either a full- or part-time basis. Both programs consist of 60 semester hours of study. Students should check directly with the School of Social Work for applications and timelines. The full-time program takes four semesters to complete; the part-time program lasts for 10 semesters. Students with recently earned B.S.W. degrees from programs accredited by the Council on Social Work Education may apply for advanced standing and be exempt from up to 12 hours of foundation coursework, thus enabling them to graduate with 48 credit hours. Both the full- and part-time programs are heavily sequenced and students must stay in sequence. All students must obtain professional liability insurance prior to enrollment in field

#### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

#### Program Admission Requirements

Same as university plus:

1. School of Social Work Application
2. Three letters of recommendation
3. 750 word biographical sketch
4. Liberal arts pre-requisites
5. Interview may be required; experience in the field preferred.
6. GRE required

### DEGREE PROGRAM REQUIREMENTS

#### Program Requirements (non-B.S.W. students)

A. Human Behavior and Social Environment Courses -

SOW 6105 (3) SOW 6114 (3)  
SOW 6124 (3) SOW 6126 (2)

B. Social Work Practice Courses -

SOW 6342 (3) SOW 6305 (3)  
SOW 6348 (2) SOW 6362 (4)  
SOW 6368 (3) SOW 6375 (3)

C. Policy and Services Courses -

SOW 6235 (3) SOW 6236 (3)

D. Social Work Research Courses -

SOW 6405 (3) SOW 6425 (2)  
SOW 6426 (1) SOW 6427 (1)

E. Supervised Field Experience

For full-time students:

SOW 6534 (4) SOW 6535 (4) SOW 6536 (4)

For part-time students:

SOW 6553 (1) SOW 6545 (2) SOW 6557 (2)  
SOW 6559 (2) SOW 6554 (1) SOW 6556 (2)  
SOW 6558 (2)

F. Additional Requirements: Elective hours (6)

All electives must be approved.

Summary

Foundations Courses	12 hours
Advanced Courses	29 hours
Field Courses	12 hours
Electives	6 hours
Total	60 hours

#### Program Requirements (B.S.W. students eligible for Advanced Standing)

As space is available, students qualifying for admission with advanced standing can elect to begin coursework in either spring or summer semester.

A. Human Behavior and Social Environment Courses -

SOW 6114 (3) SOW 6124 (3) SOW 6126 (2)

B. Social Work Practice Courses -

SOW 6342 (3) SOW 6348 (2) SOW 6368 (3)  
SOW 6375 (3)

C. Policy and Service Courses - SOW 6236 (3)

D. Social Work Research Courses -

SOW 6425 (2) SOW 6426 (1) SOW 6427 (1)

E. Supervised Field Experience -

for full-time students:

SOW 6534 (4) SOW 6535 (4) SOW 6536 (4)

for part-time students:

SOW 6553 (1) SOW 6555 (2) SOW 6557 (2)  
SOW 6559 (2) SOW 6554 (1) SOW 6556 (2)  
SOW 6558 (2)

F. Additional Requirements Elective hours (6) All electives must be approved.

Summary

Advanced Courses	30 hours
Field Courses	12 hours
Electives	6 hours
Total	48 hours

**COURSES** - See <http://www.ugs.usf.edu/sab/sabs.cfm>

## SOCIAL WORK PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

Cyclical admissions.  
Contact School of Social  
Work for further  
information.

**Minimum Total Hours:** 60  
**Program Level:** Doctoral  
**Program Status:** Active

**CIP Code:** 44.0701  
**Dept Code:** SOK  
**Program (Major/College):** SOK AS

**Also offered as:** M.S.W.  
Dual Degree -  
M.S.W./MPH

#### CONTACT INFORMATION

**College:** Arts and Sciences  
**Department:** School of Social Work  
**Program Director:** William Rowe  
**Other Contact:** Marsha Marley  
**Phone:** 813-974-2063  
**Fax:** 813-974-4675  
**Email:** [sokoffice@cas.usf.edu](mailto:sokoffice@cas.usf.edu)  
**Web Address:** [http://www.cas.usf.edu/social\\_work/](http://www.cas.usf.edu/social_work/)

**Mailing Address:**

University of South Florida  
Social Work  
Ph.D. Social Work Program  
4202 E. Fowler Avenue, MGY132  
Tampa, FL 33620

---

#### PROGRAM INFORMATION:

The School of Social Work offers a program leading to a Ph.D. in Social Work. The program is projected to begin in January 2005.

The Ph.D. program provides a course of study to prepare graduates for academic and research careers, to provide leadership in research and education committed to excellence in social work clinical practice and to provide leadership in the development of clinical services for diverse, vulnerable and underserved populations.

The Ph.D. program, requiring 60 hours of study, is offered via a nontraditional model of delivery. During the first three years, students complete thirty-six hours of course work in nine semesters. These courses are offered in intensive weekend sessions during the fall and spring semesters and in concentrated three-week summer sessions. Dissertation work (24 hours) is taken during the course of years four and five.

This doctoral program allows students to attend course work while maintaining full-time employment commitments.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

Same as university plus:

1. Bachelor's degree from an accredited university or college; undergraduate G.P.A. of 3.0 in last two (2) years of undergraduate work;
2. Master's degree from CSWE accredited social work program; G.P.A. of at least 3.5 (on a 4.0 scale);
3. GRE required, 500V, 500Q.
4. School of Social Work Application
5. Three recommendations addressing applicant's academic and professional capabilities;
6. Candidate's statement that describes reasons for seeking admission to the Ph.D. in Social Work program, career goals, and research interests;
7. Professional or academic writing sample providing evidence of scholarly abilities such as single-authored journal article, book chapter, technical report, thesis, grant application, or other comparable work.
8. Interview

**DEGREE PROGRAM REQUIREMENTS**

Thirty-six hours (36) of course work  
Twenty-four hours (24) of dissertation work

Successful completion of qualifying examinations at the end of Semester 6 admits the student to Candidacy

Successful defense of a dissertation consisting of original Social Work research

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## SOCIOLOGY PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	45.1101
<b>Dept Code:</b>	SOC
<b>Program (Major/College):</b>	SOC AS

#### CONTACT INFORMATION

<b>College:</b>	Arts and Sciences
<b>Department:</b>	Sociology
<b>Program Director:</b>	James Cavendish
<b>Other Contact:</b>	
<b>Phone:</b>	813-974-2893
<b>Fax:</b>	813-974-6455
<b>Email:</b>	<a href="mailto:pgreene@chumal.cas.usf.edu">pgreene@chumal.cas.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cas.usf.edu/sociology">http://www.cas.usf.edu/sociology</a>

##### Mailing Address:

University of South Florida  
 Department of Sociology  
 Sociology Program  
 4202 E. Fowler Avenue, CPR107  
 Tampa, FL 33620

---

#### PROGRAM INFORMATION

The Sociology M.A. program provides a foundation in a broad range of sociological theories and research methods and an opportunity for pursuing specialized interests in elective Sociology courses, courses in other departments, and thesis research. Many of our M.A. recipients continue in sociology Ph.D. programs. Others teach in secondary schools and junior colleges, are employed in mental health services and research, in human resources management, and government organizations, or work as research consultants and market analysts.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### Major Research Areas:

Community and Identity Studies, Cultural Sociology, Social Psychology, Emotions, Family, Sex and Gender, Race/Ethnic/Minority Relations, Religion, Deviant Behavior/Social Disorganization, Science and Technology, Qualitative Methodology

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

Same as university plus:

1. three letters of reference
2. a personal statement, and
3. an example of written work
4. GRE required – 45% or 450V, 52% or 4.5AW, 20% or 470Q

---

#### DEGREE PROGRAM REQUIREMENTS

The Sociology department has an option of a thesis or an internship for the capstone course. Both are carried out under the supervision of faculty members. Students electing a thesis option can take six of the required 36 hours as thesis hours. Students electing the internship option choose an appropriate internship site in consultation with their advisors.

Required courses for all students:  
 SYA 6126 (Sociology Theory)  
 SYA 6305 (Methods of Research)  
 SYA 6405 (Statistics)

The remaining 27 hours of electives must include at least 12 hours scheduled graduate courses in Sociology, no more than six (6) hours of advisor-approved 4000 level courses, no more than six (6) hours of SYA 6971 (thesis) or SYA 6912 (directed research) in preparation for thesis or internship. With an advisor's approval, a student may transfer up to six (6) hours of credit from another university or up to 12 hours of credit taken as a non-degree seeking student at USF. With an advisor's approval, up to nine (9) hours of elective credit may be taken in a department other than Sociology.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## SPANISH PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	33-36
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	16.0905
<b>Dept Code:</b>	WLE
<b>Program (Major/College):</b>	SPA AS

#### CONTACT INFORMATION

<b>College:</b>	Arts and Sciences
<b>Department:</b>	World Languages
<b>Program Director:</b>	Maria Esformes
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-2548
<b>Fax:</b>	813-974-1718
<b>Email:</b>	<a href="mailto:SpanishMA@cas.usf.edu">SpanishMA@cas.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cas.usf.edu/languages/">http://www.cas.usf.edu/languages/</a>

##### Mailing Address:

University of South Florida  
World Languages  
Spanish Program  
4202 E. Fowler Avenue, CPR 107  
Tampa, FL 33620

---

#### PROGRAM INFORMATION

Contact Program for information.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

Must have:

1. undergraduate 3.0 GPA
2. 2-3 letters of recommendation,
3. a writing sample in Spanish, and
4. an oral interview in Spanish (can be done by phone)
5. GRE 500V, 500Q, 4.5 AW

#### DEGREE PROGRAM REQUIREMENTS

- 1) Proficiency in a second foreign language.
- 2) Satisfactory completion of a written comprehensive examination on Spanish language, literature, and civilization. This exam is based on a reading list.
- 3) FOW 6805 Bibliography
- 4) Course work following one of the plans listed below:
  - a) Plan A 36 hours of graduate courses in Spanish . No thesis.

- b) Plan B 36 hours, of which 27-30 graduate hours must be in one language area and 6-9 in another area/department, as approved by the Spanish Graduate Program Director. No thesis.
- c) Plan C 27 semester hours in one language area plus a thesis, with 6 hours of SPW 6971
- d) Plan D 27 semester hours, with 18-21 hours of graduate-level course work in one language area and 6-9 in another area/department, as approved by the Spanish Graduate Program Director. In addition: a thesis, with 6 hours of SPW 6971.

#### OTHER INFORMATION

**Three Summer M.A. program:** Students may also receive the M.A. in Spanish by enrolling in courses at the Tampa campus during the summer. Generally the degree is received after three summers of study. Contact the Graduate Program Director for details.

##### Special Summer Programs Overseas

The Division of Languages and Linguistics, in cooperation with the International Affairs Center, offers several summer study programs overseas. These include study in Spain, and Costa Rica. For complete details, contact the program advisors or the International Affairs Center.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## SPEECH-LANGUAGE PATHOLOGY (POST-BACC) PROGRAM

### Master of Science (M.S.) Degree

---

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	February 1
<b>Minimum Total Hours:</b>	74
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active
<b>CIP Code:</b>	51.0204
<b>Dept Code:</b>	CSD
<b>Program (Major/College):</b>	SPP AS

#### CONTACT INFORMATION

<b>College:</b>	Arts and Sciences
<b>Department:</b>	Communication Sciences and Disorders
<b>Program Director:</b>	Ruth Huntley Bahr
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-2006
<b>Fax:</b>	813-974-0822
<b>Email:</b>	<a href="mailto:vlmaldon@cas.usf.edu">vlmaldon@cas.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cas.usf.edu/csd/index.htm">http://www.cas.usf.edu/csd/index.htm</a>

#### Mailing Address:

University of South Florida  
 Communication Sciences and Disorders  
 Speech-Language Pathology (post Bacc)  
 Program  
 4202 E. Fowler Avenue, PCD1017  
 Tampa, FL 33620

---

#### PROGRAM INFORMATION

The Department of Communication Sciences and Disorders is devoted to the study of normal and disordered human communication. Courses and practice provide the student with principles, research methods and application of knowledge about the spectrum of verbal and non-verbal communication. Diagnosis and remediation of communicative problems dominate the clinical component of this course of study.

The Master of Science and Doctor of Audiology degrees offered through the Department are structured to meet the preparation requirements of the American Speech-Language-Hearing Association for the Certificate of Clinical Competence. The Speech-Language Pathology and Audiology programs are accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association.

#### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools. Council of Academic Accreditation of the American Speech-Language-Hearing Association.

**Major Research Areas:** n/a

---

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

#### Program Admission Requirements

Same as university plus:

1. three letters of recommendation
2. a letter of intent, and
3. applicant must also demonstrate competency in communication skills as determined by the chairperson or delegate.

#### DEGREE PROGRAM REQUIREMENTS

All majors must complete the following Core Requirements. (20 Credits)  
 SPA 5150L (3) (Speech-Language majors only)  
 SPA 5552 (3)  
 SPA 5408 (3)  
 SPA 6410 (3)  
 SPA 6805 (3)  
 SPA 6571 (2)  
 SPA 6930 (3)

In addition to general University requirements for the master's degree, candidates must complete at least 35 hours of regularly scheduled academic coursework at the graduate level. Also, students will enroll in sufficient graduate clinical practicum to meet a minimum of 375 clock hours to fulfill the requirements of the American Speech-Language-Hearing Association. Of these hours,



at least 250 clock hours must be in the specialization area at the graduate level in which certification is being sought. Also required for graduation are the attainment of a 'B' or better in each graduate Speech-Language Pathology course, the attainment of clinical competence determined by a GPA of 3.0 in all clinical practica, satisfactory passage of a comprehensive examination and successful completion of a thesis or non-thesis option. With the department chairperson's approval, a student with an existing bachelor's degree and appropriate prerequisites may plan the degree program from among the following courses. Course selection is based on prescribed content areas within the discipline.

SPA 7150 (3)	SPA 5150L (2)	SPA 5303 (3)
SPA 6403 (3)	SPA 5408 (3)	SPA 5506 (1-8)
SPA 6106 (3)	SPA 6232 (3)	SPA 5204 (3)
SPA 6245 (3)	SPA 6322 (3)	SPA 6401 (3)
SPA 6410 (3)	SPA 6413 (3)	SPA 6415 (3)
SPA 6505 (1-9)	SPA 6559 (3)	SPA 6601 (1)
SPA 6805 (3)	SPA 6473 (3)	SPA 5552 (3)
SPA 6910 (var) or	SPA 6971 (var)	SPA 6571 (2)
SPA 6930 (3)	SPA 7931 (3)	SPA 6906 (var)

#### **Thesis**

Each student must complete at least 1 hour of SPA 6910 (Directed Research) and a minimum of 5 hours of SPA 6971 (Thesis) and submit an approved thesis.

#### **Non-thesis**

Each student must complete an additional seven (7) hours of coursework. Of these, at least three (3) hours must be from within the department while three (3) hours may be selected from another department. A one (1)-hr. Directed Research experience is required. Prior to initiation of non-thesis option coursework, the student must obtain approval from an advisor, study plan director, and the department chair.

#### **COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## WOMEN'S STUDIES PROGRAM

### Master of Arts (M.A. ) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15 (March 1 for assistantship applications)
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	05.0207
<b>Dept Code:</b>	WST
<b>Program (Major/College):</b>	WST AS

#### CONTACT INFORMATION

<b>College:</b>	Arts and Sciences
<b>Department:</b>	Womens Studies
<b>Program Director:</b>	Marilyn Myerson, Ph.D.
<b>Other Contact:</b>	
<b>Phone:</b>	813-974-3496
<b>Fax:</b>	813-974-0336
<b>Email:</b>	<a href="mailto:myerson@cas.usf.edu">myerson@cas.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cas.usf.edu/womens_studies/index.html">http://www.cas.usf.edu/womens_studies/index.html</a>

##### Mailing Address:

University of South Florida  
Department of Women's Studies  
Womens Studies Graduate Program  
4202 E. Fowler Avenue, FAO153  
Tampa, FL 33620

---

#### PROGRAM INFORMATION

The M.A. in Women's Studies requires the completion of 36 credit hours. The program has two tracks: a research option that requires a thesis and an applied option that requires an internship and subsequent analytic report on the internship experience. This format was designed to serve the needs of a variety of different categories of students desiring a graduate degree in Women's Studies. The thesis option is recommended for students who intend eventually to pursue a doctoral degree. The internship option is recommended for students who seek the M.A. as a terminal degree.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**Major Research Areas:** n/a

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

Same as general university requirements with the exception that applicants without training in Women's Studies are admitted on a conditional basis. In addition, applicants must submit a personal narrative statement of purpose, a writing sample, and three letters of recommendation.

---

#### DEGREE PROGRAM REQUIREMENTS

The M.A. in Women's Studies requires the completion of thirty-six credit hours. These hours are divided as follows:

- Four required core courses (12 cr. hrs.) chosen from WST 6001, WST 6406, WST 6560, WST 6002 and an additional course currently being offered under WST 5934 Selected Topics: Feminist Challenges to Traditional Paradigms
- Elective courses (18 cr. hrs.) to be selected from
  - courses offered by the Department of Women's Studies, up to six cr. hrs. of which may be 4000-level courses;
  - graduate courses on women and issues surrounding the intersection of gender/class/race offered by other departments;
  - no more than one other graduate-level course approved by the graduate director.

##### Thesis

Six credit hours of thesis research, typically over two semesters, during which the student will develop a thesis prospectus approved by the student's thesis committee and complete a Master's thesis on the approved topic. The completed Thesis must be defended at an oral defense.

**Non-thesis**

Six credit hours of internship experience, typically over two semesters, in a human service agency or other institution or organization that deals primarily with women. The internship will be approved by the student's internship committee. The student will be required to write a narrative report describing the internship in detail and analyzing the experience in terms of appropriate theoretical frameworks. The completed narrative and experience must be defended as an oral defense.

**Comprehensive Examinations**

Each student must pass a written comprehensive examination. It is expected that a student will successfully complete the comprehensive examination prior to beginning thesis or internship work.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>





## *Section 14*

### *College of Arts and Sciences at USF St. Petersburg*

University of South Florida  
St. Petersburg - College of Arts and Sciences  
140 Seventh Avenue S, DAV 100  
St. Petersburg, FL 33701

**Web address:** [www.stpt.usf.edu/coas/index.htm](http://www.stpt.usf.edu/coas/index.htm)  
**Email:** [pewwhite@stpt.usf.edu](mailto:pewwhite@stpt.usf.edu)  
**Phone:** 727-553-4156  
**Fax:** 727-553-4526

**Interim College Dean:** Winston T. Bridges, Jr.  
**Associate Dean:** Susan Fernandez

**Accreditation:**  
Contact College for Information.

**Mission Statement:**  
The faculty of the College of Arts and Sciences at USF St. Petersburg devotes itself to leading students and the broader community to understand the social and physical environment of the past, the present and the future. Our mission consists in teaching people to think critically by analyzing and synthesizing ideas and information throughout a wide spectrum of disciplines that range from the literacy to the scientific. The college seeks to understand and establish connections among diverse disciplines, cultures, and peoples.

Its members, including faculty, staff and students, seek to nurture learning both within and beyond the

classroom in time and space. They do so by acquiring and extending knowledge by honing skills that will serve them and their society throughout their lives: the ability to research, reason. Read, and write. By learning how to learn, our students will provide the intellectual capital needed by society now and in the future.

**Major Research Areas:**  
See individual departments.

**Types of Degrees Offered:**  
Master of Arts (M.A.)  
Master of Liberal Arts (M.L.A.)

**Name of Programs Offered:**  
Master of Arts (M.A.) -  
Mass Communications (Concentration in Journalism Studies)

Master of Liberal Arts (M.L.A.) -  
Liberal Arts (Concentration in Florida Studies)

**Concentrations:**  
Journalism and Media Studies, Florida Studies

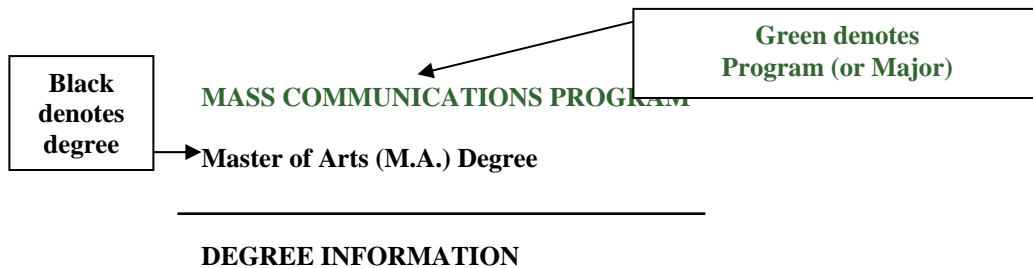
**Graduate Certificates Offered:** n/a

**College Requirements:** Contact Graduate Program for Program Requirements.

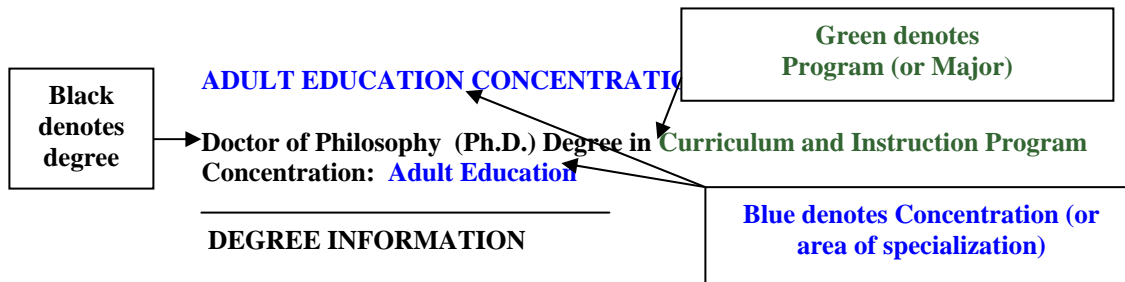
## About the Catalog

The University of South Florida Graduate Catalog is organized with the degree programs offered listed in the section of the college that offers them. For example, the Master of Science degree with a “program” (also known as major) in Biology is listed in the College of Arts and Sciences section. Some colleges offer areas of specialization, or “concentrations” within a degree program.

### EXAMPLE OF PROGRAM PAGE



### EXAMPLE OF CONCENTRATION PAGE



The name of the program and/or concentration does not appear on the diploma – only the name of the degree (i.e., Master of Arts) is listed. The program and concentration information is listed on the official transcript. Other areas, such as application track, are not listed on the transcript.

**LIBERAL ARTS PROGRAM AT USF ST. PETERSBURG****Master of Liberal Arts (M.L.A.) Degree in the Liberal Arts Program  
With a Concentration in Florida Studies (FST)****DEGREE INFORMATION**

This is a concentration offered under the MLA degree in the Liberal Arts Program and offered only at USF St. Petersburg.

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	24.0101
<b>Dept Code:</b>	HUM
<b>Program (Major/College):</b>	MLA AP
<b>Concentration Code:</b>	FST

**Also offered as:** Concentrations in:  
Africana Studies (Offered in Tampa)  
Humanities (Offered in Tampa)  
Liberal Studies (Offered in Tampa)  
Social and Political Thought (Offered in Tampa)

**PROGRAM INFORMATION**

The Florida Studies concentration of the Master of Liberal Arts Program allows student to sample a broad array of interdisciplinary classes. Florida-based classes may be taken in the fields of History, English, Marine Science, Geology, Geography, Political Science, Journalism and Media Studies, Fine Arts and Anthropology.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

Upper division undergraduate GPA of 3.0 and a GRE score required. Please submit a writing sample (an undergraduate term paper, book review, or essay) or evidence of artistic work and two letters of recommendation.

**CONTACT INFORMATION**

<b>College:</b>	Arts and Sciences at St. Petersburg
<b>Department:</b>	
<b>Program Co-Directors:</b>	Raymond Arsenault and Gary Mormino
<b>Other Contact:</b>	Greta Scheid-Wells
<b>Phone:</b>	727-873-4872
<b>Fax:</b>	727-873-44878
<b>Email:</b>	<a href="mailto:gscheidwdmarie@stpt.usf.edu">gscheidwdmarie@stpt.usf.edu</a>
<b>Web Addresses:</b>	<a href="http://www.stpt.edu/coas/florida_studies/mla.htm">http://www.stpt.edu/coas/florida_studies/mla.htm</a>

**Mailing Address:**

University of South Florida, St. Petersburg  
Florida Studies Program  
140 Seventh Avenue South SNL100  
St. Petersburg, FL 33701

**DEGREE PROGRAM REQUIREMENTS****Florida Studies Concentration (USF St. Petersburg)**

A 3 credit-hour class, Introduction to Florida Studies (AMS 6934) and a 4 credit seminar on the History of Modern Florida (HIS 6939) are the program's only required courses. All other classes must be approved; each semester the program will circulate a list of approved courses.

Each student must pass a comprehensive oral examination and a written examination covering three fields or concentrations.

All students in the Florida Studies Program will complete a thesis, generally 75 to 150 pages in length. Candidates will select topics with the approval of a thesis advisor. The thesis committee consists of the thesis advisor and two faculty members. An oral defense of the thesis completes the process (*Editor's Note: the thesis process is not completed until the thesis has been accepted and approved by the Graduate School. For more information refer to the University Degree Requirements section or go to [www.grad.usf.edu](http://www.grad.usf.edu)*). The defense is open to all faculty and graduate students.

**COURSES** - See <http://www.ugs.usf.edu/sab/sabs.cfm>

**MASS COMMUNICATIONS PROGRAM AT USF ST. PETERSBURG****Master of Arts (M.A.) Degree in the Mass Communications Program  
With a Concentration in Journalism Studies (JOS)****DEGREE INFORMATION**

This is a concentration in Journalism Studies offered under the M.A. degree in the Mass Communications Program at USF St. Petersburg..

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	09.0102
<b>Dept Code:</b>	MCM
<b>Program (Major/College):</b>	COM AP
<b>Concentration Code:</b>	JOS

**Also offered as:**

Certificate in Converged Media  
Mass Communication Studies (at USF Tampa)  
Public Relations Studies (at USF Tampa)

**CONTACT INFORMATION**

**Program Director:** Tony Silvia  
**Graduate Coordinator:** Deni Elliott  
**Other Contact:** Bridget Nickens  
**Phone:** 727-873-4850  
**Fax:** 727-873-4034  
**Email:** [mnickens@stpt.usf.edu](mailto:mnickens@stpt.usf.edu)  
**Web Addresses:**  
[www.stpt.usf.edu/journalism/](http://www.stpt.usf.edu/journalism/)

**Mailing Address:**

University of South Florida, St. Petersburg  
Department of Journalism and Media Studies  
140 Seventh Avenue South, FCT 204  
St. Petersburg FL 33701

**PROGRAM INFORMATION**

The M.A. degree program in Mass Communications: Journalism is designed for students who are seeking advanced studies in preparation for professional and academic careers in mass communications.

Journalism emphasizes advanced practice and study in writing, reporting, ethics, and theoretical issues.

**Accreditation:**

Journalism is accredited by the Commission on Colleges of the Southern Association of College and Schools and the Accrediting Council on Education in Journalism and Mass Communications (ACEJMC)

**Major Research Areas:**

Media, ethics, science communication, news and visual communications.

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

1. A baccalaureate degree from a regionally accredited institution, with a grade point average (GPA) of 3.0 or better in the last two years (60 hours) of undergraduate work.
2. A Graduate Record Examination (GRE) score is required
3. A detailed statement of intent for seeking an M.A. in journalism, including discussion of: your background, especially the academic and professional aspects; the specific scholarly, policy, or professional issues in which you have an interest; how your background has prepared you to excel in the journalism M.A. program; and how you intend to apply your education when you complete our M.A. program.



4. Three letters of recommendation from qualified people who are familiar with the nature of the work required of graduate students in the social sciences, and who can address your ability to excel in this type of work.
5. Three examples of professional or academic writing.

### **DEGREE PROGRAM REQUIREMENTS**

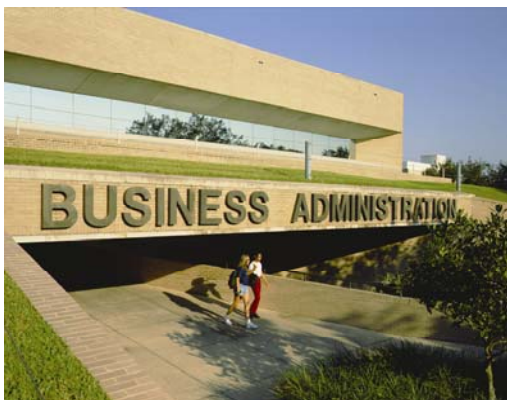
#### **Journalism Studies –**

Requires 36 hours of course work, including either a thesis for 6 credit hours or a professional project for 3 credit hours. As an option, students may designate an area of specialization and take up to 12 hours through other departments of the university. Students are also eligible to participate for academic credit in certain seminars offered by the Poynter Institute, adjacent to the campus of USF St. Petersburg

#### **COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm> and [www.stpt.usf.edu/journalism/](http://www.stpt.usf.edu/journalism/)





## Section 15

### College of Business Administration

University of South Florida  
College of Business Administration  
4202 E. Fowler Ave BSN 3403 (loc BSN 103)  
Tampa, FL 33620

**Web address:** <http://www.coba.usf.edu/>

**Email:** [mba@coba.usf.edu](mailto:mba@coba.usf.edu)

**Phone:** 813-974-3335

**Fax:** 813-974-4518

**College Dean:** TBA  
**Associate Dean:** Richard L. Meyer  
**Graduate Coordinator:** Wendy E. Baker

#### Accreditation:

The Ph.D., M.B.A., M.S. in Management Information Systems, M.S. in Management: Leadership and Organizational Effectiveness, Master of Accountancy, and M.A. in Economics programs in the College of Business Administration are accredited by the AACSB International – The Association to Advance Collegiate Schools of Business. The College also is a member of the Graduate Management Admission Council (GMAC).

#### Mission Statement:

.The USF College of Business Administration will provide a high-quality, diverse learning environment preparing students to contribute to and take leading positions in business and society. Our teaching, scholarship, and service will link theory and practice to benefit the University and the communities it serves.

**Major Research Areas:** Contact College for information.

#### Types of Degrees Offered:

Master of Accountancy (M.Acc.), Master of Arts (M.A.), Master of Business Administration (M.B.A.), Master of Science (M.S.), Doctor of Philosophy (Ph.D.)

#### Name of Programs Offered:

[Master of Accountancy - M.Acc.](#)  
Accountancy

[Master of Arts - M.A.](#)  
Business Economics

[Master of Business Administration - M.B.A.](#)  
Business Administration (full-time or part-time)  
Executive M.B.A.  
Executive M.B.A. for Physicians (**Inactive**)  
Saturday M.B.A. (**Inactive**)  
M.B.A. Program at Sarasota/Manatee  
M.B.A. Program at St Petersburg (see St. Petersburg -- College of Business)

[Master of Science - M.S.](#)  
Management  
Management Information Systems

[Doctor of Philosophy - Ph.D.](#)  
Business Administration

#### Concentrations:

See application areas in program descriptions

#### Graduate Certificates Offered:

see Graduate Certificate website  
<http://www.outreach.usf.edu/gradcerts/>

## COLLEGE REQUIREMENTS

### Non-Degree Seeking Students

The College of Business Administration will approve, on a space available basis, non-degree seeking student status only for transient students (degree-seeking students at another AACSB accredited institution) or for students with valid reasons to register in this status and who meet all admission requirements.

### Organizations and Centers:

**The Center for International Business (CIB)** is a major resource for international business education, community development, and research in the West-Central Florida area. It is committed to: \* Ensuring that USF provides its students with excellent preparation for business careers in the global economy. This is done through summer abroad programs, international and exchange opportunities with universities around the world.\* Conducting community outreach that enhances international business activity and capability in the West-Central Florida area.\* Promoting and facilitating research on important international business and economic issues.

**The Center for Entrepreneurship** is a multi-disciplinary, campus-wide center focusing on entrepreneurial education, training and research. The vision of the USF Center for Entrepreneurship is to create an internationally recognized Center of Excellence for educating and training entrepreneurial leaders using innovative, interdisciplinary approaches. The Center seeks to create unique learning opportunities through partnerships among students, faculty and community entrepreneurial leaders. These partnerships leverage the strengths of all participants to create a nationally recognized program which enables students, faculty and entrepreneurial leaders to develop the critical skills necessary to (1) identify new opportunities (2) accelerate the commercialization of new technologies and (3) create and grow successful new business ventures. The Center offers through the USF Graduate School both a Graduate Certificate in Entrepreneurship and a Master of Science in Applied Technologies. Information on

the Center and its programs and activities may be found at [www.ce.usf.edu](http://www.ce.usf.edu).

**The Center for Economic Policy Analysis** at the University of South Florida is a non-profit, ideologically neutral collection of scholars devoted to the analysis of social policy relevant to the Tampa Bay region, the State of Florida and the Nation. Our unifying theme is a fundamental belief that good decisions concerning social policy are grounded in a thorough understanding of economic principles.

**The Small Business Development Center** offers entrepreneurial seminars, workshops and individual consultation to facilitate small business growth. A continued support system is provided for its clients to ensure successful implementation. Students under faculty direction provide assistance in developing business, marketing, and financial plans for existing and high growth businesses.

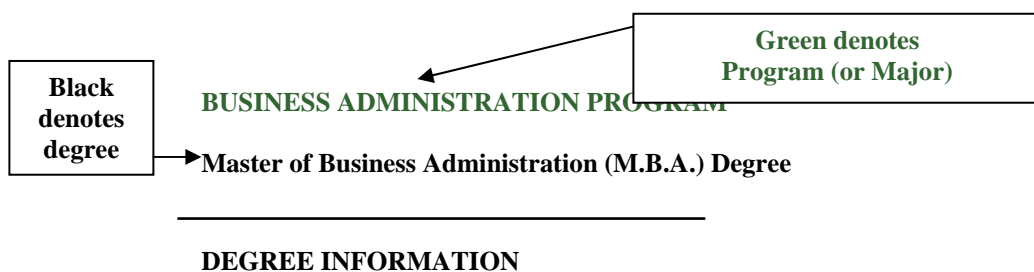
**The Center for Economic Development Research (CEDR)**, conducts applied economic research on regional, statewide, and national economic development issues. The Center's educational activities cultivate excellence in economic development practice and are bolstered by the annual, week-long Basic Economic Development Course that is accredited by the International Economic Development Council. Through its Internet Data Center, the Center provides a service to all those interested in obtaining national and regional economic/demographic data sets and research reports.

**The Institute for Information Systems Management (IISM)** was established as a partnership between business, government and higher education. Its mission is to establish a major center for research, education and professional networking that will help firms operate effectively in the information age. From time to time the Institute presents seminars, workshops, and round-table discussions on important issues in Information Systems Management and conducts applied research on topics of interest to its corporate affiliates. IISM resides in the College of Business Administration and can be reached during normal business hours at (813) 974-5524.

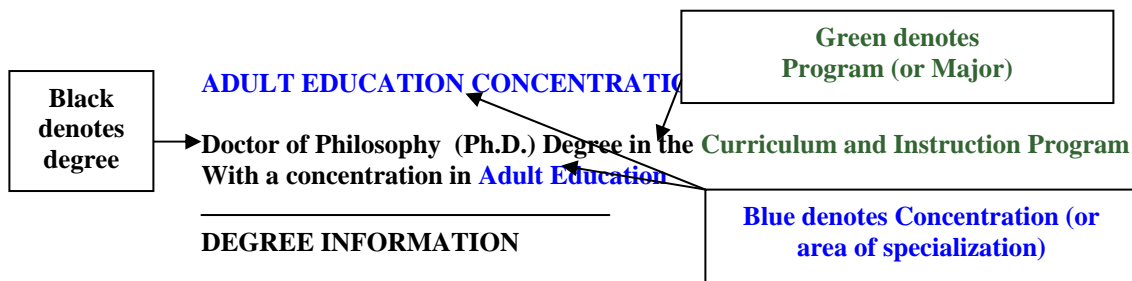
## About the Catalog

The University of South Florida Graduate Catalog is organized with the degree programs offered listed in the section of the college that offers them. For example, the Master of Science degree with a “program” (also known as major) in Biology is listed in the College of Arts and Sciences section. Some colleges offer areas of specialization, or “concentrations” within a degree program.

### EXAMPLE OF PROGRAM PAGE



### EXAMPLE OF CONCENTRATION PAGE



The name of the program and/or concentration does not appear on the diploma – only the name of the degree (i.e., Master of Arts) is listed. The program and concentration information is listed on the official transcript. Other areas, such as application track, are not listed on the transcript.

## ACCOUNTANCY PROGRAM

### Master of Accountancy (M.Acc.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	June 1
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	52.0301
<b>Dept Code:</b>	ACC
<b>Program (Major/College):</b>	MAC BA

##### Also offered as:

Track under Business Administration (Ph.D.)

#### CONTACT INFORMATION

<b>College:</b>	Business Administration
<b>Department:</b>	School of Accountancy
<b>Program Director:</b>	William Parrott
<b>Other Contact:</b>	
<b>Phone:</b>	813-974-6736
<b>Fax:</b>	813-974-6528
<b>Email:</b>	<a href="mailto:macc@coba.usf.edu">macc@coba.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.usfaccounting.com">http://www.usfaccounting.com</a>

##### Mailing Address:

University of South Florida  
School of Accountancy  
Master of Accountancy Program  
4202 E. Fowler Ave, BSN 3403  
Tampa, FL 33620

---

#### PROGRAM INFORMATION

The objective of the Master of Accountancy (M.Acc.) Program is to provide candidates with greater breadth and depth in accountancy than is possible in the baccalaureate program. The program is designed to meet the increasing needs of business, government, and public accounting. Students entering The M.Acc. Program must already have the equivalent of an undergraduate degree in accounting. The program may also be structured to satisfy the requirements to sit for the Uniform CPA Examination in Florida.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools and AACSB International- The Association to Advance Collegiate Schools of Business

##### Major Research Areas:

Contact department.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

Must have a 3.0 upper-level accounting GPA (minimum of 21 hours at an AACSB accredited program) and 3.00 upper-level GPA; 500 or higher GMAT. TOEFL score of 550 or higher (213 or higher on computerized test)

---

#### DEGREE PROGRAM REQUIREMENTS

For the student who has the equivalent of an undergraduate major in accounting at USF (including 24 hours of upper-level accounting coursework taken within the last 5 years), the program consists of 30 hours. Most (21 hours) of the program is devoted to the study of accounting. The remaining nine (9) hours consist of study in other business areas including economics, entrepreneurship, finance, and information systems/decision sciences. These nine (9) hours are elected by the student in consultation with the M.Acc. Advisor. At least 70% of the coursework must be at the 6000 level.

The M.Acc. curriculum has a set of four required common core accounting courses. The student may emphasize a particular specialty through a choice of accounting electives. The sequencing of courses will be determined in consultation with the MAcc Advisor.

##### Required Accounting Courses

ACG 6835	Accounting Skills, Values & Information Technology	3
ACG 6875	Financial Reporting and Professional Issues	3
ACG 6405	Advanced Accounting Information Systems	3
ACG 6932	Integrative Accounting Seminar	3

**Accounting Electives (3 courses)**

9

ACG 6476	Contemporary Issues in Accounting Information Systems	3
ACG 6636	Contemporary Issues in Auditing	3
ACG 6065	Contemporary Issues in Taxation	3
ACG 6346	Contemporary Issues in Managerial Accounting	3
ACG 6936	Selected Topics in Accounting	3
TAX 6445	Estate Planning	3
ACG 5201	Advanced Financial Accounting	3
ACG 5675	Internal and Operational Auditing	3
ACG 5501	Governmental / Not-for-Profit Accounting	3
TAX 5015	Federal Taxation for Business Entities	3

**Non-accounting Electives (3 courses; at least 2 courses  
in the same discipline)**

Electives must be approved in advance by MAcc Advisor

9

**Total Semester Hours** (At least 21 hours must be in  
6000-level courses)**30****COURSES**See <http://www.ugs.usf.edu/sab/sabs.cfm>

## BUSINESS ADMINISTRATION PROGRAM

### Master of Business Administration (M.B.A.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	June 1
<b>Spring:</b>	October 15
<b>Summer:</b>	No Admit

<b>Minimum Total Hours:</b>	56
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	52.0101
<b>Dept Code:</b>	DEA
<b>Program (Major/College):</b>	BUS BA

**Application Tracks/Areas of Study:**

- Building Sustainable Enterprise
- Entrepreneurship
- Finance
- Advanced Financial Management
- Advanced International Business
- Government and Business
- Health Care in a Changing Business Environment
- International Business Management
- Advanced Management
- Management Information Systems
- Advanced Management Information Systems
- Marketing Strategy
- Advanced Marketing
- Supply Chain Management

**Also offered as:**

- Executive MBA
- Executive MBA for Physicians (**Inactive**)
- Saturday MBA (**Inactive**)
- MBA at Sarasota/Manatee
- MBA at St. Petersburg

#### CONTACT INFORMATION

<b>College:</b>	Business Administration
<b>Program Director:</b>	Steven Baumgarten
<b>Other Contact:</b>	MBA Advisors
<b>Phone:</b>	813-974-3335
<b>Fax:</b>	813-974-4518
<b>Email:</b>	<a href="mailto:mba@coba.usf.edu">mba@coba.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.mba.usf.edu">www.mba.usf.edu</a>

**Mailing Address:**

University of South Florida  
 College of Business Administration  
 MBA Program  
 4202 E. Fowler Avenue, BSN3403  
 Tampa, FL 33620

---

#### PROGRAM INFORMATION

The Master of Business Administration (M.B.A.) is a professional degree designed to prepare graduates for managerial roles in business and not-for-profit organizations. Graduates will develop the necessary skills and problem-solving techniques that will permit them to make an early contribution to management and eventually to move into broad, general management responsibilities at the executive level. The program is designed to meet the needs of qualified men and women with undergraduate degrees from accredited universities. The College makes no distinction in the selection process between applicants with experience and those coming directly from academic life. However, experience is a meaningful background and will permit the student to better understand the subject matter to be mastered.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools (SACS); AACSB International – The Association to Advance Collegiate Schools of Business

**Major Research Areas:**

Contact Coordinator for department

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.



**Program Admission Requirements**

Upper-level GPA 3.0 or higher and minimum of 500 on GMAT. TOEFL score of 550 or higher (213 or higher on computerized test)

**DEGREE PROGRAM REQUIREMENTS**

The M.B.A. degree is a 56 hour program. All M.B.A. candidates must complete all degree requirements within five years of beginning the program. The full-time student without course waivers generally will need 6 semesters to complete the program. Part-time students can complete all work within a reasonable time--approximately three years without course waivers. Part-time students are encouraged to take two courses per semester and must complete 12 hours per calendar year to remain on active status as a degree-seeking student. Students who have completed undergraduate or graduate courses in business and economics from an AACSB accredited school may receive course waivers and reduce their course loads from the maximum requirement. Courses are scheduled to accommodate both full-time and part-time students. All courses are at the graduate level. Students entering the program are expected to have sufficient competency in mathematics (College Algebra), communication skills (written and verbal), and basic computer skills. The curriculum consists of:

**The Common Body of Knowledge**

Common Body of Knowledge: (CBK) courses, also known as the "TOOL" Area courses, are designed to provide basic background in the several functional areas in order to prepare for more advanced studies. The courses assume little or no prior knowledge in the field. Students having undergraduate degrees in Business Administration may be eligible for waivers, subject to standards set by the faculty. The conditions for waivers are explained more fully below.

**Application Areas (tracks):**

The application areas encourage the development of market driven competencies and provide students with distinctive sets of knowledge and skills. Each grouping of courses allows students to position themselves in the marketplace by choosing applications that match their career goals. Students will select 3 areas of competency, each with 9 credit hours (advanced tracks are 6 credit hours).

**Competency Certification:**

Students will receive a certificate of achievement for the successful completion of each application sequence. Application area courses also include the opportunity to sharpen skills in writing, presentation, teamwork, technology applications, global applications, and communication.

**Integrated Business Applications:**

Integrated Business Applications is a six credit, two consecutive semester course sequence which emphasizes the integration and utilization of techniques and methods taught in the Tool and Application areas. The sequence

involves working in both group and individual projects, with "live" as well as published cases. It utilizes a variety of computer applications, and includes the development of detailed business plans

**M.B.A. Course Structure**

Common Body of Knowledge, "Tool" courses	21 credits
ACG 6025 Financial Accounting for Managers	2
ACG 6075 Management Accounting & Control	2
MAN 6055 Human Behavior and Organization	2
ECO 6114 Managerial Economics	2
QMB 6305 Managerial Decision Analysis	2
ECO 6204 Global Econ. Environment of Bus.	2
MAR 6815 Marketing Management	2
FIN 6406 Financial Management	3
ISM 6021 Management Information Systems	2
QMB 6603 Operations Management & Quality Enhancement	2
Application Areas (Required Electives)	27 credits
Application Track #1	9
Application Track #2	9
Application Track #3	9
Required Courses	8 credits
GEB 6445 Social, Ethical, Legal Systems	2
GEB 6895 Integrated Business Applications I	3
GEB 6896 Integrated Business Applications II	3

Total Semester Credits Required 35-56

*Note: Some Application Tracks may not be offered each year. Additional applications tracks may be developed based on students interests and needs.*

**Constraints**

1. The maximum credits required is fifty-six ( 56). The minimum for a student with a business degree from an AACSB accredited institution within the last seven years is thirty- five ( 35).
2. Students with an undergraduate degree in Business who are eligible to waive the tool area courses must complete an advanced course in four of the seven areas waived. Students do not need an advanced course in their area of undergraduate major.

Note: Tool/core courses may not be counted as electives. Thesis - Students may elect a 6 hour thesis in any of the areas of concentration of the college, subject to departmental approval.

**Non-Tampa Campus Offerings**

The full-time and part-time MBA programs are offered on the Tampa campus and the USF Downtown Center. The MBA at Sarasota is administered separately. For application procedures and additional information see MBA at Sarasota section.

**COURSES:** See <http://www.ugs.usf.edu/sab/sabs.cfm>

## BUSINESS ADMINISTRATION PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

**Fall:** January 2  
Fall admission only

**Minimum Total Hours:** 90  
**Program Level:** Doctoral  
**Program Status:** Active

**CIP Code:** 52.0201  
**Dept Code:** DEA  
**Program (Major/College):** BUD BA

**Application Tracks/Areas of Study:**

Accounting  
Economics  
Finance  
Information Systems  
Management (inactive)  
Marketing

#### CONTACT INFORMATION

**College:** Business Administration  
**Program Director:** Richard Meyer  
**Other Contact:** Cathy Slagle  
**Phone:** 813-974-3335  
**Fax:** 813-974-4518  
**Email:** [phd@coba.usf.edu](mailto:phd@coba.usf.edu)  
**Web Address:**  
<http://www.coba.usf.edu/programs/phd/index.html>

**Mailing Address:**

University of South Florida  
College of Business Administration / Graduate Studies  
Ph.D. Program  
4202 E. Fowler Avenue, BSN 3403  
Tampa, FL 33620

---

#### PROGRAM INFORMATION

The Ph.D. program offered by the College of Business Administration provides its graduates with preparation for careers as college and university professors and as research and staff personnel in industry and government. The doctoral program provides for intellectual growth as students work closely with faculty in seminars, research projects, and other assignments which develop their teaching and research skills. The curriculum offers breadth of understanding of the integral components of business administration as well as depth of field specialization sufficient to permit the student to make a meaningful contribution to their discipline. The program is sufficiently flexible to allow each student to build upon his or her strengths and to accommodate students with various levels of preparation in a wide variety of fields

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools; AACSB International – The Association to Advance Collegiate Schools of Business.

**Major Research Areas:**

Contact Coordinator for department

---

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

Competitive based on GPA, GMAT or GRE, personal statement, recommendations, interview. TOEFL score of 550 or higher (213 or higher on computerized test).

#### DEGREE PROGRAM REQUIREMENTS

A minimum of 90 semester hours beyond the bachelor's degree is required. This includes 21 hours of dissertation. A minimum of 45 hours of coursework must be completed at the University of South Florida.

**Foundation Courses**

These courses are designed to develop an appreciation of the institution of business and to help students see how their areas of specialization fit into this general picture. With the approval of the student's program committee, a student may satisfy these requirements in any of the following ways:

- A. By completing an undergraduate degree in business at an AACSB accredited institution, with an average of "B" or better in the last 60 hours, no more than 5 years prior to admission to the Ph.D. program.

- B. By completing an M.B.A. degree at an AACSB accredited institution, no more than 5 years prior to admission to the Ph.D. program
- C. By completing one approved course with a grade of "B" or better in each of the functional areas: Accounting, Finance, Information Systems, Management, and Marketing. (Economics requirements are described under core requirements.) All graduate-level courses at the 6000 level or above, with the exception of specific "tool" courses (e.g. statistics), will count toward this requirement.
- D. By successfully petitioning the doctoral Program Committee to accept previous academic work (e.g., specialized Masters programs in business, degrees granted more than 5 years ago, etc.) in fulfillment of all or part of this requirement. Such a petition must be initiated during the first semester of the program.

#### Core Courses

The core courses are designed to provide a strong background in Economics and to develop the student's quantitative and statistical research skills. These courses are required of all students in the program. The College will waive a course only if the student has passed the same or equivalent course with a grade of "B" or better within the preceding five years.

The Economics requirement can be met by completing two graduate level courses, one in microeconomics and one in macroeconomics, with a grade of "B" or better. The courses which satisfy this requirement are:

ECO 6114 Managerial Economics  
 ECO 6204 Global Economic Env. of Business  
 ECO 6115 Microeconomics I\*  
 ECO 6206 Aggregate Economics\*  
 ECO 6936 Economics of Organization\*

At least one course must be taken from among those listed above with an asterisk (\*).

The quantitative and statistical coursework is to be determined by the student's program committee in consultation with the student. A three course series is required. An appropriate sequence should be chosen from the following:

ECO 6424 Econometrics I  
 ECO 6425 Econometrics II  
 ECO 7426 Econometrics III  
 ECO 7427 Econometrics IV  
 GEB 6375 Applied Linear Statistical Models  
 QMB 7565 Introduction to Research Methods  
 QMB 7566 Applied Multivariate Statistical Methods

Any substitution of coursework should be approved at the time of acceptance, and must be approved before the student takes a substitute course. In addition, students are

required to take an additional research elective approved by their advisory committee. Should a student earn a grade of "C" or lower in the core, he/she will be required to retake the course. If the student retakes the course and fails to receive a grade of "B" or better, the case will be reviewed by the Doctoral Program Committee and the student is subject to dismissal.

#### Major Field

All students will take at least five (5) courses at the 6000 or 7000 level in an area designated as the student's major. Students are encouraged to identify courses in the major field that will provide experience in applying current research techniques to problems in that field. To accomplish this, the student may propose a combination of formal classroom courses and independent directed-research courses. This combination may include a year-long research seminar in which the groundwork is laid for the student's dissertation. The specific agenda of courses will be determined by the student's program committee.

The following fields are offered as majors: Accounting, Economics, Finance, Information Systems, Management (inactive) and Marketing. Courses taken as part of the Foundation or Core sections may not be counted as part of the hours required for a major field.

#### Support Field

The support area will consist of a minimum of three courses from one of the fields listed under the major fields. In some cases, a customized support area can be constructed to complement the major field. In special cases, that support field may include courses taken outside the College of Business. The nature and number of the support area courses will be determined by the Student's Program Committee in consultation with the Ph.D. coordinator of the support field discipline department. Courses taken as part of the Foundation or Core courses may not be counted as part of the 9 hours required for support fields.

#### Comprehensive Qualifying Examination

Upon completion of all coursework, students must pass a comprehensive written examination in the major area. The student's performance on this exam should reflect familiarity with the literature, as well as with current issues and problems related to these fields. A student who fails the field exam may retake it within one year. A second failure disqualifies the student from continuing the Ph.D. program. If the degree is not conferred within 5 calendar years of the comprehensive qualifying examination, a second and different examination must be taken. Students passing the field examinations are eligible for admission to candidacy for the Ph.D. program.

The decision to administer a separate comprehensive exam for a support area will be made by the department in which the support area is taken. In the event that an interdisciplinary support area is selected, any department represented by six (6) or more semester hours may require a qualifying examination. In the event that no

single department represents six semester hours or more, the student's program committee will solicit input from the faculty teaching the courses in the support area. If a majority of those polled take the position that a separate comprehensive examination in the support area is not appropriate, the exam will not be administered. If a separate comprehensive examination is not administered in a support area, material from the support area will be integrated into the comprehensive exam in the major area.

Normally, qualifying examinations will be administered in October and March of each year. A student who anticipates sitting for a field exam should notify the department chair and the Associate Dean in writing during the first week of the semester in which they plan to take the exam. The exams will be a minimum of 8 hours. The Associate Dean's Office will coordinate with the relevant department in scheduling and grading the exam.

**Dissertation**- 21 hours of dissertation are required for the degree.

**Residency Requirement** - Ph.D. students in the College are required to complete a minimum of 15 hours per calendar year. Failure to meet this requirement will result in the student being placed on conditional status.

**COURSES** See <http://www.ugs.usf.edu/sab/sabs.cfm>

**BUSINESS ADMINISTRATION (SATURDAY MBA) PROGRAM****Master of Business Administration (M.B.A.) Degree****DEGREE INFORMATION**

**Program Admission Deadlines:**  
Not accepting applications

**Minimum Total Hours:** 56  
**Program Level:** Masters  
**Program Status:** Inactive

**CIP Code:** 52.0201  
**Dept Code:** DEA  
**Program (Major/College):** MBS BA

**Also offered as:** See listing under MBA Program

**CONTACT INFORMATION**

**College:** Business Administration  
**Program Director:** Steven Baumgarten  
**Other Contact:** n/a  
**Phone:** 813-974-4876  
**Fax:** n/a  
**Email:** n/a  
**Web Address:** <http://www.coba.usf.edu/>

**Mailing Address:**  
University of South Florida  
College of Business Administration  
Saturday MBA Program  
4202 E. Fowler Avenue, BSN 3403  
Tampa, FL 33620

---

**Inactive.** Currently, students are not being admitted to this program.

**BUSINESS ADMINISTRATION PROGRAM AT SARASOTA-  
MANATEE****Master of Business Administration (M.B.A.) Degree****DEGREE INFORMATION****Program Admission Deadlines:**

Cohort program.  
Contact program for  
starting dates and  
deadlines.

**Minimum Total Hours:** 56  
**Program Level:** Masters  
**Program Status:** Active

**CIP Code:** 52.0101  
**Dept Code:** SRB  
**Program (Major/College):** BAS BA

**Also offered as:**  
See MBA Program

**CONTACT INFORMATION**

**College:** Business Administration  
**Program Director:** Steven Baumgarten  
**Other Contact:** Christine Glass  
**Phone:** 941-349-4333  
**Fax:** 941-349-4351  
**Email:** [mba@sar.usf.edu](mailto:mba@sar.usf.edu)  
**Web Address:**  
<http://www.sarasota.usf.edu/COBA/MBAHomePage/MBAHomePg.htm>

**Mailing Address:**  
University of South Florida Sarasota/Manatee  
College of Business Administration  
5700 N. Tamiami Trail, PMD 223  
Sarasota, FL 34243

**PROGRAM INFORMATION**

The program consists of 56 credits of course work and is designed to be completed in approximately 2 ½ years. The program offers Sarasota-Manatee students geographical convenience, quality and affordability. The program is a lock-step program with a planned maximum number of students per cohort group. Because of the structured nature of the program, students must take all courses as, and when, they are offered. Program staff will register students each semester.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools (SACS); AACSB International – The Association to Advance Collegiate Schools of Business.

**Major Research Areas:**

Contact Coordinator for department

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

Must have 3.0 upper-level GPA; 500 or higher GMAT. TOEFL score of 550 or higher (213 or higher for computerized test)

**DEGREE PROGRAM REQUIREMENTS**

The program is 56 credits. The curriculum includes:

**Managerial Tool Courses** (23 credits): These are the basic skills of the MBA program. The techniques and procedures learned in these courses provide the foundation for the specific applications to follow.

**Application Area Courses** (27 credits): These courses provide the student with specific areas of specialization and competency. The program offers three major application areas: Finance, Management Information Systems, and Management/Marketing.

**Integrated Business Application** (6 credits): This is a 2-course sequence which ties together the various individual techniques and methods taught in the Tools and Applications areas. It is a project-based course which involves both individual and group effort.

ECO 6114	Managerial Economics	2
MAN 6055	Human Behavior and Organization	2
ACG 6025	Financial Accounting for Managers	2
ECO 6204	Global Econ. Environment of Business	2
ACG 6075	Management Accounting & Control	2
MAR 6815	Marketing Management	2
QMB 6305	Managerial Decision Analysis	2
ISM 6021	Management Information Systems	2
QMB 6603	Operations Management & Quality Enhancement	2
GEB 6445	Social, Ethical, Legal Systems	2

FIN 6406	Financial Management	3
ISM 6123	Systems Analysis and Design	3
FIN 6416	Advanced Financial Mgt	3
ISM 6217	Database Administration	3
MAR 6936	Technology Marketing Management	3
MAN 6297	Conflict Resolution in Organizations	3
FIN xxxx	Finance Elective TBA	3
ISM 6442	Global Aspects of IS	3
MAR 6936	E-Commerce Marketing	3
FIN 6815	Investments	3
GEB 6895	Integrated Business Applications I	3
GEB 6896	Integrated Business Applications II	3

**COURSES**See <http://www.ugs.usf.edu/sab/sabs.cfm>

## BUSINESS ECONOMICS PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	June 1
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	52.0601
<b>Dept Code:</b>	ECN
<b>Program (Major/College):</b>	ECN BA

**Also offered as:**

Specialization/concentration under Master of Business Administration (Government & Business)  
and under Doctor of Philosophy (Ph.D.) – Business Administration

#### CONTACT INFORMATION

<b>College:</b>	Business Administration
<b>Department:</b>	Economics
<b>Program Director:</b>	Michael Loewy
<b>Other Contact:</b>	Lisa Gibert
<b>Phone:</b>	813-974-4252
<b>Fax:</b>	813-974-6510
<b>Email:</b>	<a href="mailto:econgrad@coba.usf.edu">econgrad@coba.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coba.usf.edu/departments/economics/programs/master.html">http://www.coba.usf.edu/departments/economics/programs/master.html</a>

**Mailing Address:**

University of South Florida  
College of Business Administration  
Business Economics Program  
4202 E. Fowler Avenue, BSN3403  
Tampa, FL 33620

---

#### PROGRAM INFORMATION

The M.A. in Economics prepares students for careers as professional economists in business and government. It is also excellent preparation for continued graduate study in economics.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools (SACS); AACSB International – The Association to Advance Collegiate Schools of Business.

**Major Research Areas:**

Labor economics, health economics, public economics, urban and regional economics, international trade, history of economic thought, economics of education, and econometrics.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

Must have a 3.0 upper-level GPA.  
Must have a 500 or higher GMAT; or GRE score of 430 or higher –verbal portion and 570 or higher –quantitative portion. TOEFL score of 550 or higher (213 or higher on computerized test). Must have at least a 3.0 GPA in prerequisite courses in intermediate microeconomics, intermediate macroeconomics, statistics, and calculus.

---

#### DEGREE PROGRAM REQUIREMENTS

All students are required to take courses in advanced economic theory, policy analysis, and econometrics. Undergraduate economics majors at USF may complete the program in one year beyond the B.A. in the 5-Year B.A./M.A. Program. Students preparing for doctoral studies select from these and additional courses in economic theory, mathematics, and quantitative methods. Where appropriate students may select courses in other departments in the University.

Students must satisfy all University requirements for the M.A. degree. Departmental requirements include 30 hours of graduate credit selected with the approval of the department's graduate advisor. At least 24 hours must be in Economics not including Independent Study (ECO 6906) and Directed Research (ECO 6917). To graduate, a student must have an overall 3.0 GPA and a 3.0 GPA for all economics courses, and pass an oral examination.

**Required Courses**

ECO 6405	Mathematical Economics	3
ECO 6115	Microeconomics I	3
ECO 6206	Aggregate Economics	3
ECO 6424	Econometrics I	3
ECO 6425	Econometrics II	3
ECO 6120	Economic Policy Analysis	3
COBA	Electives	6

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>



## EXECUTIVE M.B.A. PROGRAM

### Master of Business Administration (M.B.A.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

**Fall:** May 31

**Minimum Total Hours:** 52  
**Program Level:** Masters  
**Program Status:** Active

**CIP Code:** 52.0201  
**Dept Code:** DEA  
**Program (Major/College):** MBA BA

**Application tracks:**

[Finance](#)  
[Management](#)

**Also offered as:**

Business Administration (M.B.A.)  
 Executive MBA for Physicians\*  
 Saturday MBA\*  
 MBA at Sarasota/Manatee  
 MBA at St. Petersburg  
 \*Inactive

#### CONTACT INFORMATION

**College:** Business Administration  
**Program Director:** Steven Baumgarten  
**Other Contact:** Chris Williams  
**Phone:** 813-974-4876  
**Fax:** 813-974-4518  
**Email:** [emba@coba.usf.edu](mailto:emba@coba.usf.edu)  
**Web Address:** <http://www.emba.usf.edu/>

**Mailing Address:**

University of South Florida  
 Executive M.B.A. Program  
 4202 E. Fowler Avenue, BSN 3403  
 Tampa, FL 33620

---

#### PROGRAM INFORMATION

The weekend Executive M.B.A. is a lock-step, 20-month, AACSB accredited program designed to meet the unique needs of both mid-career managers who have demonstrated the potential to reach senior management positions, and senior managers who desire to significantly increase their personal and organizational effectiveness. The program provides an opportunity to broaden and enrich management skills, to extend knowledge of modern business techniques, and to further develop understanding of the social, political, and economic forces that shape the business environment and influence decision making. Classes are scheduled all day on two Saturdays and one Friday a month for four semesters. The weekend format allows participants to continue carrying their careers while they master a range of managerial skills.

**Accreditation:**

The Commission on Colleges of the Southern Association of College and Schools, AACSB International –The Association to Advance Collegiate Schools of Business.

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

The weekend Executive MBA Program requires the submission of a preliminary application and personal interview prior to official graduate school application. Please see the program website for application forms or contact the program office.

**Program Admission Requirements**

Must have a 3.0 upper-level GPA; GMAT (may be waived) 5 years of management/professional experience; interview; statement of corporate approval. TOEFL score of 550 or higher (213 or higher on computerized test)

#### DEGREE PROGRAM REQUIREMENTS

**Executive MBA Program Curriculum**

ACG 6025	Financial Accounting for Managers
MAN 6055	Human Behavior and Organization
GEB 6445	Social, Ethical, Legal Systems
QMB 6305	Managerial Decision Analysis
ECO 6114	Managerial Economics
ACG 6075	Managerial Accounting & Control
ECO 6204	Global Economic Environment of Business
FIN 6406	Financial Management
GEB 6930	International Business
MAR 6815	Marketing Management
MAN 6911	Direct Research

FIN 6934	Financial Management II
MAN 6448	Negotiating Agreement and Resolving Conflict
QMB 6603	Operations Management
ISM 6021	Management Information Systems
FIN 6515	Investments
MAN 6930	Business Problems Analysis
MAN 6305	Human Resource Management
MAN 6930	Leadership in Organizations

During the interim summer session, each participant, in consultation with a faculty advisor, undertakes an applied research project that focuses on a work-related problem or area of interest. In addition, Executive M.B.A. students have the opportunity to participate in the annual two-week Overseas Study Module, which involves on-site study of international business practices. A different country/region is selected each year. Past modules have included visits to such cities as Moscow, London, Zurich, Geneva, Brussels, Tokyo, and Beijing, Mexico City, Buenos Aires, Rio de Janeiro, Hong Kong, Milan, and Paris.

#### **COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## EXECUTIVE M.B.A. PROGRAM FOR PHYSICIANS

### Master of Business Administration (M.B.A.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
Not accepting applications

**Minimum Total Hours:** 57  
**Program Level:** Masters  
**Program Status:** Inactive

**CIP Code:** 52.0201  
**Dept Code:** DEA  
**Program (Major/College):** MDX BA

**Also offered as:** Business Administration (MBA)  
Executive MBA  
Saturday MBA **Inactive**

#### CONTACT INFORMATION

**College:** Business Administration  
**Program Director:** Steven Baumgarten  
**Other Contact:** n/a  
**Phone:** 813-974-4876  
**Fax:** n/a  
**Email:** n/a  
**Web Address:** <http://www.coba.usf.edu/>

**Mailing Address:**  
University of South Florida  
College of Business Administration  
Executive M.B.A. for Physicians Program  
4202 E. Fowler Avenue, BSN 3403  
Tampa, FL 33620

---

**Inactive.** Currently, students are not being admitted to this program

## MANAGEMENT PROGRAM

### Master of Science (M.S.) Degree in the Management Program With a concentration in **Leadership and Organizational Effectiveness**

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

Fall Deadline: June 1  
Fall admission only

**Minimum Total Hours:** 30  
**Program Level:** Masters  
**Program Status:** Active

**CIP Code:** 52.0101  
**Dept Code:** MAN  
**Program (Major/College):** MAN BA  
**Concentration Code:** LOE

**Also offered as:** A specialization/concentration under Master of Business Administration - two application areas (Management and Advanced Management)

#### CONTACT INFORMATION

**College:** Business Administration  
**Program Director:** Alan Balfour

**Other Contact:**  
**Phone:** 813-974-1785  
**Fax:** 813-974-1734  
**Email:** [msm@coba.usf.edu](mailto:msm@coba.usf.edu)

**Web Address:**  
<http://www.coba.usf.edu/departments/management/programs/msm/master.html>

**Mailing Address:**  
University of South Florida  
Department of Management and Organization  
College of Business Administration  
4202 E. Fowler Avenue, BSN 3403  
Tampa, FL 33620

---

#### PROGRAM INFORMATION

##### M.S. in Management: Leadership and Organizational Effectiveness (M.S.M.)

For updated details, please consult our website at [www.coba.usf.edu](http://www.coba.usf.edu). This program develops the skill to lead 21st century organizations. It is targeted for experienced, successful working managers - people who are already good at their jobs and who can be promoted to higher leadership and executive positions within or outside their present organizations. It is not intended for recent graduates seeking entry-level managerial positions.

The future requires a very different type of leader than the past. The hierarchical model of scientific management is no longer widely accepted. The leaders of the future must be able to empower others and to facilitate teamwork in diverse groups, to recognize and adapt to the constraints and opportunities of a global economy, and to accommodate the ethical and societal needs of the environment within which the organization functions.

Both the profit and not-for-profit communities have recognized these changes and have demanded that business schools provide a modified and improved manager for the future - a manager who succeeds by facilitating the performance of others. This manager must be successful in leadership and organizational effectiveness. The M.S.M. program is founded on two underlying beliefs: 1) that organizations are more than mere collections of individuals; that they are communities of shared concern; and 2) there is a moral imperative to help others when you can. These values

lead to organizational behavior that is both effective and ethical. Intrapersonal, interpersonal, and organizational competencies are enhanced. The M.S.M. faculty members blend scholarly activity and applied skills. It is the goal of the faculty to prepare graduates for successful careers as leaders in the real world.

This is an extremely progressive, dynamic, well-focused program. It is designed to help you reach career goals. The M.S.M. is a 32 credit hour program offered in cohort format. The program is designed around the needs of working managers. Classes meet Monday and Tuesday evenings for twenty-one months. All students begin in August. The curriculum proceeds from encompassing perspective to skills development through understanding of interpersonal and organizational dynamics, to planned change and implementation. Sections are limited to thirty students. Course offerings and section availability are guaranteed to cohort members. All majors are eligible and welcome.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools (SACS). AACSB International -The Association to Advance Collegiate Schools of Business.

##### Major Research Areas:

Leadership, Organizational Effectiveness, Strategic Management

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

Must have a 3.0 upper-level GPA; GMAT score of 500 or higher GMAT; lower scores may be offset by score of 28 or higher on V and 4.0 on analytical writing; leadership ability – work experience and personal statement. TOEFL score of 550 or higher (213 or higher on computerized test). Competitive based on GRE, GMAT, and personal statement.

**DEGREE PROGRAM REQUIREMENTS**

Students take the same ten required courses. The cohort format is structured as follows:

MAN 6055	Human Behavior and Organizations	2
MAN 6107	Leadership Perspective	3
MAN 6149	Leadership and Teams	2
MAN 6116	Managing Diversity	3
MAN 6256	Politics and Control in Organization	3
MAN 6930	Executive Leadership	3
MAN 6448	Negotiating Agreement and Resolving Conflict	3
MAN 6305	Human Resources Management	3
MAN 6930	Designing Sustainable Enterprise	3
MAN 6726	Strategic Planning	3
GEB 6445	Social, Ethical, Legal Systems	2
MAN 6930	Assessing Performance in Sustainable Enterprise	2

Program Total: 32 credits

**Additional Information Regarding Curriculum**

Leadership, teamwork, communication skills and organizational change are emphasized. Much of the curriculum is delivered through case studies, class discussion, exercises, group projects, video taped role-playing, simulations, and prominent guest speakers from the local business and non-profit community. Emphasis is placed on student participation and teamwork. All courses include writing, presentation, and critical thinking skills.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## MANAGEMENT INFORMATION SYSTEMS PROGRAM

### Master of Science (M.S.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	June 1
<b>Spring</b>	October 15

<b>Minimum Total Hours:</b>	32
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	52.1201
<b>Dept Code:</b>	QMB
<b>Program (Major/College):</b>	ISM BA

**Also offered as:**

Track under Business Administration (Ph.D.)  
and application area in Business  
Administration (M.B.A.)

#### CONTACT INFORMATION

<b>College:</b>	Business Administration
<b>Department:</b>	Information Systems/Decision Sciences

<b>Program Director:</b>	Alan R. Hevner
<b>Other Contact:</b>	Michael Walters

**Phone:** 813-974-6776

**Fax:** 813-974-6749

**Email:** [msmis@coba.usf.edu](mailto:msmis@coba.usf.edu)

**Web Address:**  
<http://www.coba.usf.edu/departments/isds/programs/master.html>

**Mailing Address:**

University of South Florida  
Information Systems and Decision Sciences  
Management Information Systems Program  
4202 E. Fowler Ave., CIS1040  
Tampa, FL 33620

---

#### PROGRAM INFORMATION

**Management Information Systems (M.S./M.I.S.)**

The Master of Science in Management Information Systems (M.S./M.I.S.) meets the needs of the marketplace for expertise in both information technology and management. Highly qualified individuals with motivation for leadership in information technology fields are encouraged to apply for admission to this program. We expect that graduates of the program will be in great demand by firms in the information services sector of the economy, software development organizations, management consultants, and M.I.S. departments in industry. An Industrial Advisory Board consisting of senior information systems executives and consultants works closely with the department to ensure that the program maintains high standards.

The MS/M.I.S. program is designed for individuals who are challenged by applications other than science or technology and who are willing to undertake a career that demands a broad rather than narrow range of skills. Students who already have considerable background either in academic computer science or in business coursework will make use of the built-in flexibility of the program, designing courses of study that will provide them with the best background for their careers. A faculty advisor will work closely with each student to design and monitor the most effective course sequence and optional thesis/practicum work.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools. AACSB International - The Association to Advance Collegiate Schools of Business.

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

Prefer students with a 3.0 upper-level GPA and score of 500 or higher GMAT; work experience desired. TOEFL score of 550 or higher (213 or higher on computerized test).

**DEGREE PROGRAM REQUIREMENTS**

The program requires 30-32 hours of coursework and may be taken either full-time or part-time. Full-time students with appropriate prerequisites may be able to complete the program in one full year (3 semesters) of study. Part-time students and full-time students who need prerequisites will typically need from 1 1/2 to 3 years to complete the degree.

During the first year of the program, a student will complete a formal Program of Study that will define a coherent sequence of courses to satisfy the student's objectives. A student may have the option to complete a master's thesis or a Practicum project, depending upon

the availability and approval of a faculty sponsor. All students must successfully pass a comprehensive final examination (given in capstone course ISM 6155) for degree completion.

**Prerequisites:** Incoming students are expected to have the following as prerequisites:\* One semester of calculus or equivalent mathematical background\* Two semesters of a high-level programming language (e.g., C, C++, Java) or substantial programming experience\* One semester of information systems analysis and design and one semester of database systems or equivalent\* Educational background in business fundamentals must include courses in Accounting, Economics, and Statistics. Required prerequisite courses may be taken concurrently with courses in the M.S./M.I.S. program. Prerequisite courses do not count toward the 32 hours of course requirements in the M.S./M.I.S. program.

### Technical Core (9 credits)

The following three courses provide a solid understanding of state-of-the-art research and practice in technical areas of Information Systems.

#### 1. ISM 6124 (3 credits) - Advanced Systems Analysis and Design

Students learn to manage and perform activities throughout an information systems development life cycle, from the analysis of system requirements through system design to system implementation and operation. Advanced system development processes, methods, and tools are presented. This course is continually revised to include the latest theories and tools. A group project using advanced CASE tools is an integral portion of the course.

#### 2. ISM 6218 (3 credits) - Advanced Database Administration

Advanced practice and research in database systems, to include entity-relationship modeling, relational databases, object-oriented databases, performance issues, and management of the database administration (DBA) function. State-of-the-art database systems will be used for individual and group projects.

#### 3. ISM 6225 (3 credits) - Distributed Information Systems

The content of this course will be focused on telecommunications and networks. All forms of

communications will be covered including voice, video, image, and data. Students will gain actual experience with network management systems, local area networks (LANs), and global networks, such as the Internet.

### Capstone Course (3 credits)

#### ISM 6155 (3 credits) - Enterprise Information Systems Management

An advanced study of information system management to include system planning, project selection, project management, and organizational information management policies. This course is considered to be the capstone of the MS/MIS program and as such it must be taken during one of the last two semesters of the student's program.

### Management Core

The management core consists of introductory course, MAN 6055 – Human Behavior in Organizations, plus two other management-related courses. These courses may come from the Management department or other campus departments with relevant management-oriented courses (with the approval of MS MIS advisor).

### Electives ( 12 credits)

Four elective courses may be selected from additional Information Systems courses or with prior approval by the academic advisor, other areas of specialization (e.g., Management, Decision Sciences, Computer Science, Logistics).

### Thesis Option:

The master's thesis option requires six credits of ISM 6971, which count as six of the 12 elective credits. The thesis must make a well-defined contribution to the research and development in an area of Information Systems.

### Practicum Option

The practicum option requires an investigation of a new information technology or application technique. The project typically occurs in the student's place of employment and is jointly supervised by a faculty member and a manager in the company. Based upon the magnitude of the project, either three or six hours of credit in ISM 6905 would be taken. The practicum would count for three or six hours of electives.

### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>



## Section 16

### College of Business Administration at USF St. Petersburg

College of Business, USF-St. Petersburg  
140 Seventh Avenue South - COB 348  
St. Petersburg, FL 33701

**Web address:** <http://www.stpt.usf.edu/cob/index.htm>

**Email:** [mba@stpt.usf.edu](mailto:mba@stpt.usf.edu)

**Phone:** 727-873-4MBA

**Fax:** 727-873-4192

**Interim College Dean:** Dr. Blaine Brownell

**Interim Associate Dean:** Dr. James Strachan

**Graduate Coordinator:** Dr. Atoinette Criss

#### Accreditation:

The M.B.A. in the College of Business is accredited by the American Assembly of Collegiate Schools of Business (AACSB)

#### Mission Statement:

The College of Business at the University of South Florida St. Petersburg offers a unique MBA program designed to prepare graduates for a leadership role in the 21<sup>st</sup> century. Our program emphasized socially responsible management in a global business community.

We welcome students from diverse educational and business backgrounds. We offer intensive sessions of MBA Essentials for students without a recent undergraduate degree in business. Successful completion of these sessions prepares a student for the MBA program and selection of three-course

specialization concentrations for a greater knowledge of certain areas of business. Students with a background in accounting may earn credit toward requirements for the CPA exam while choosing MBA concentrations in forensic accounting and/or taxation.

Leadership skills, taught with a combination of traditional and interdisciplinary approaches along with opportunities for experiential learning and study abroad, prepare our graduates to meet the complex challenges of our changing business environment.

#### Major Research Areas:

See individual departments.

#### Types of Degrees Offered:

Master of Business Administration (M.B.A.)

#### Name of Programs Offered:

Master of Business Administration (M.B.A.)

#### Concentrations: n/a

Application Tracks: Finance, Forensic Accounting, International Business, Managing Knowledge Resources, Management, Marketing Strategy, Corporate Social Responsibility, Taxation

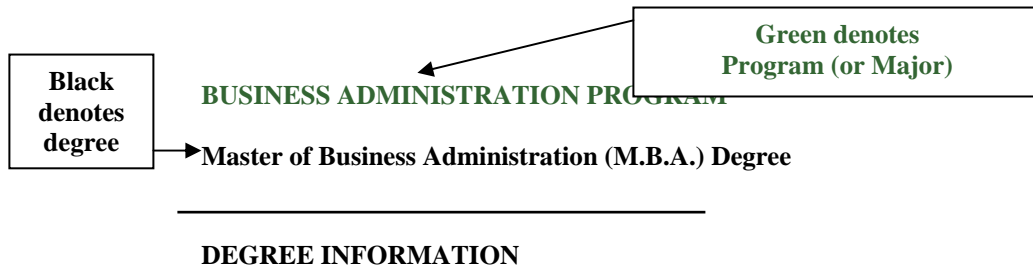
#### Graduate Certificates Offered: n/a



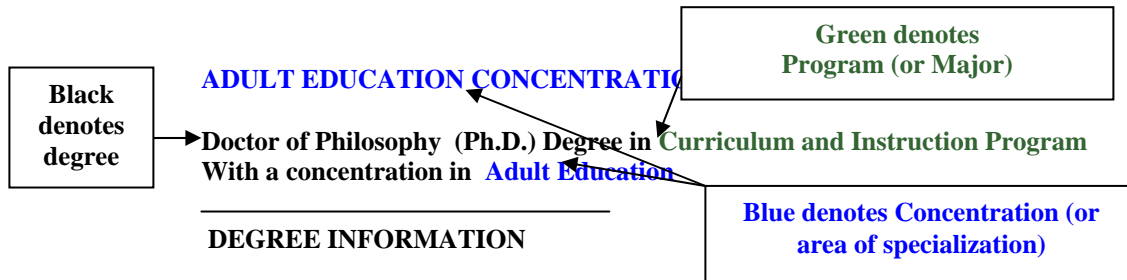
## About the Catalog

The University of South Florida Graduate Catalog is organized with the degree programs offered listed in the section of the college that offers them. For example, the Master of Science degree with a “program” (also known as major) in Biology is listed in the College of Arts and Sciences section. Some colleges offer areas of specialization, or “concentrations” within a degree program.

### EXAMPLE OF PROGRAM PAGE



### EXAMPLE OF CONCENTRATION PAGE



The name of the program and/or concentration does not appear on the diploma – only the name of the degree (i.e., Master of Arts) is listed. The program and concentration information is listed on the official transcript. Other areas, such as application track, are not listed on the transcript.

**BUSINESS ADMINISTRATION PROGRAM AT USF ST. PETERSBURG****Master of Business Administration (M.B.A.) Degree****DEGREE INFORMATION****Program Admission Deadlines:**

<b>Fall:</b>	June 1
<b>Spring:</b>	October 15
<b>Summer:</b>	no admit

<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	52.0101
<b>Dept Code:</b>	DEA
<b>Program (Major/College):</b>	BUS BP

**Application Tracks:**

Finance  
Forensic Accounting  
International Business  
Managing Knowledge Resources  
Management  
Marketing Strategy  
Corporate Social Responsibility  
Taxation

*Note: Some of these tracks may no longer be available. For a complete list of application tracks offered through USF refer to the USF MBA Program*

**Also offered through other campuses as:**

Business Administration (M.B.A. at Tampa)  
Executive MBA at Tampa  
Executive MBA for Physicians (Inactive)  
Saturday MBA (Inactive)  
M.B.A. at Sarasota

**CONTACT INFORMATION**

<b>Program Director:</b>	Antoinette Criss
<b>Other Contact:</b>	n/a
<b>Phone:</b>	727-873-4MBA
<b>Fax:</b>	727-873-4192
<b>Email:</b>	<a href="mailto:mba@stpt.usf.edu">mba@stpt.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.stpt.usf.edu/cobCOB/USFSt.PetersburgCollegeofBusinessIndex.htmgraduate/index.htm">http://www.stpt.usf.edu/cobCOB/USFSt.PetersburgCollegeofBusinessIndex.htmgraduate/index.htm</a>

**Mailing Address:**

University of South Florida St. Petersburg  
MBA Program, COB 348  
140 Seventh Avenue South  
St. Petersburg, FL 33701

**PROGRAM INFORMATION**

The intent of this program is to prepare students for a lifetime of opportunities, not just their next job. We understand that the right preparation involves more than just functional business knowledge. Effective leaders must also understand how to improve, redesign and integrate complex systems for the creations of customer value. With this in mind, our program is taught through a participative and experientially based curriculum. In addition to traditional business fundamentals, it also stresses:

- Social Responsibility
- Effective Corporate Reporting
- Leadership and Teamwork
- Cultural Diversity and Ethics
- Technology and Innovation
- Communication
- International Perspective
- Professional Development

**Accreditation:**

The M.B.A. is accredited by the American Assembly of Collegiate Schools of Business (AACSB).

**Major Research Areas:**

Contact Coordinator for department

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below. Confirm requirements with the Program Director noted above.

**Program Admission Requirements**

- Four-year bachelor's degree from a regionally accredited institution.
- Graduate Management Admissions Test (GMAT) score of 500 or higher.

- International Students, whose undergraduate degree is not from a U.S. University, must also have a TOEFL score of 550 or higher on the written version, or a minimum score of 213 on the computerized test.
- Computer knowledge is required of all students prior to entering the program. Proficiency must include word processing capability, spreadsheet analysis, and the use of graphics.
- Working knowledge of college algebra.

### DEGREE PROGRAM REQUIREMENTS

**The program is 36 credits. The 18 hours of required courses consist of six 3-credit hour courses:**

Dynamics of Individuals and Technology in Organizations

Regulatory and Reporting Environments of Business

The Living Enterprise

Organizational Strategies for the 21<sup>st</sup> Century

The Evolving Global Economic Environment

Creating Community Leaders and Partners

**ApplicationTrack Courses** The Application Track areas encourage the development of market driven competencies and provide students with distinctive sets of knowledge and skills. The integration courses allow students to position themselves in the marketplace by choosing concentrations that match their career goals. Students select concentration courses to develop detailed business plans for building their individual competencies and resumes.

Application Tracks include:

Corporate Social Responsibility  
Finance  
Forensic Accounting  
International Business  
Managing Knowledge Resources  
Management  
Marketing Strategy  
Taxation

### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>



## Section 17

### College of Education

University of South Florida  
College of Education  
4202 E. Fowler Ave, EDU162  
Tampa, FL 33620

**Web address:** <http://www.coedu.usf.edu/college/>

**Email:** [briscoe@tempest.coedu.usf.edu](mailto:briscoe@tempest.coedu.usf.edu)

**Phone:** 813-974-3406

**Fax:** 813-974-3391

**College Dean:** Colleen Kennedy

**Associate Dean:** Harold Keller

**Graduate Coordinator:** Diane Briscoe

#### Accreditation:

In addition to the University's regional accreditation by the Commission on Colleges of the Southern Association of Colleges and Schools (SACS), the College is accredited by the National Council for the Accreditation of Teacher Education (NCATE) for the preparation of P-12 educators. Its initial certification programs are approved by the Florida Department of Education.

#### Vision/Mission Statement:

The USF College of Education envisions itself as a leader in regional, national and international education. Leadership in Education encompasses:

- 1) academic excellence,
- 2) research, scholarship and inquiry that renews the educational process,
- 3) collaboration that serves communities, institutions and individuals,
- 4) educator preparation that builds on academic excellence, scholarship, and clinical practice, and
- 5) collaboration that contributes to a just and productive society.

The College of Education fulfills this vision by: offering challenging learning opportunities in a supportive and diverse environment; creating and supporting research, scholarship, and inquiry in education; preparing the next generation of educators, scholars, and leaders for P-12 and the professoriate through exemplary undergraduate and graduate degree programs; serving the community through collaborative relationships; and, working with schools, agencies, and communities to offer educator preparation programs that prepare professionals who work competently, collaboratively, and ethically to improve educational outcomes for all.

Many concentrations are offered under the umbrella of "Curriculum and Instruction." Graduate Certificates are also offered in a number of areas. For information about the different degree programs refer to the individual programs. Students seeking initial certification must be admitted to one of the degree programs offered in the College. Individuals seeking additional information should contact the College of Education Graduate Studies Office at 813-974-3406, or <http://www.coedu.usf.edu>. Please be advised that program and/or course requirements are subject to change per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria. Always check with the contact in your program of interest to determine whether or not there are programmatic variations.

#### Major Research Areas:

Contact Department or Program for information.

**Types of Degrees Offered:**

Master of Arts (M.A.), Master of Arts in Teaching (M.A.T.), Master of Education (M.Ed.), Education Specialist (Ed.S.), Doctor of Education (Ed.D.), Doctor of Philosophy (Ph.D.)

**Degree Programs and Concentrations:**

Adult Education (M.A., M.Ed., Ed.S., Ed.D., Ph.D.)  
 Business and Office Education (M.A.)  
 Career and Technical Education (M.A.)  
 College Student Affairs (M.Ed., Ph.D.)  
 College Teaching (joint program with concentrations) (M.A.)  
 Counselor Education (M.A., Ed.S., Ph.D.)  
 Early Childhood Education (M.A., M.Ed., Ph.D.)  
 Educational Leadership (M.Ed., Ed.S., Ed.D.)  
 Educational Leadership, College Leadership (Ed.D.)  
 Elementary Education (M.A., Ed.S., Ed.D., Ph.D.)  
 Elementary Education/ESOL (M.A., M.A.T.)  
 English Education (M.A., M.Ed., Ph.D.)  
 English Education/ESOL (M.A., M.A.T.)  
 Foreign Language Education French, Spanish or German-(M.A., M.Ed.)  
 Foreign Language Education/ESOL (M.A., M.A.T.)  
 Higher Education (Ed.S., Ph.D.)  
 Instructional Technology (M.Ed., Ed.S., Ph.D.)  
 Interdisciplinary Education (Ed.S., Ph.D.)  
 Mathematics Education (M.A., M.A.T., M.Ed., Ed.S., Ph.D.)  
 Measurement and Evaluation (M.Ed., Ed.S., Ph.D.)  
 Music Education (contact the College of Visual and Performing Arts)  
 Physical Education (M.A.)  
 Reading Education (M.A., Ed.S., Ph.D.)  
 School Psychology (only available when combined with the Ed.S. or Ph.D. degree) (Ed.S., Ph.D.)  
 Science Education (M.A.T. in planning process; contact the program)  
 Science Education (Biology, Chemistry, or Physics) (M.A., M.Ed., Ed.S., Ph.D.)  
 Second Language Acquisition and Instructional Technology (SLAIT) joint program with the College of Arts&Sciences (Ph.D.)  
 Secondary Education (Ph.D.) currently closed to new admissions  
 Secondary Education (Social Science Education) (Ph.D.)  
 Social Science Education (M.A., M.A.T., M.Ed.)  
 Special Education (Ed.S., Ph.D.)  
 Special Education, Behavior Disorders (M.A.)  
 Special Education, Exceptional Student Education Varying Exceptionalities/ESOL (M.A.T.)  
 Special Education, Gifted Education (M.A.)  
 Special Education, Mental Retardation (M.A.)

Special Education, Motor Disabilities (currently unavailable)

Special Education, Specific Learning Disabilities (M.A.)

Vocational Education (ED. S. and Ph.D. programs)

**Graduate Certificates Offered:**

Career Counseling\*  
 College Teaching\*  
 Diversity  
 Florida Adapted Physical Education\* (on hiatus)  
 Gifted Education\*\*  
 Instructional Technology: Distance Education\*\*  
 Instructional Technology: Instructional Design\*  
 Instructional Technology: Multimedia Design  
 Instructional Technology: School Networks  
 Instructional Technology: Web Design\*\*  
 Leadership in Developing Human Resources  
 Literacy in Elementary Programs (on hiatus)  
 Mental Health Counseling\*  
 Play Therapy  
 Reading Certificate and Endorsement Program  
 Social Science Education

\*Partially online curriculum

\*\*Fully online curriculum

For all certificates; access [www.usf.edu](http://www.usf.edu); click on Academics; click on Graduate Certificates

**Degree Programs:**

Master of Arts	M.A.
Master of Arts in Teaching	M.A.T.
Master of Education	M.Ed.
Education Specialist	Ed. S.
Doctor of Education	Ed.D.
Doctor of Philosophy	Ph.D.

**Master's Degree Programs and Requirements**

The master's programs offered in the College of Education lead to a Master of Arts degree (M.A.), a Master of Arts in Teaching degree (M.A.T.), or a Master of Education (M.Ed.) degree. Students pursuing a Master's degree must have an earned baccalaureate degree from a regionally accredited institution, or an equivalent foreign degree as determined by an evaluation conducted by an agency approved for foreign credential evaluation. Most programs offer through their M.A.T. degrees, a plan of study that leads to initial teacher certification for holders of a non-education baccalaureate degree.

The M.A. degree is primarily designed to increase competence in a teaching specialization or to provide professional preparation in one of the service areas of education. For most programs,

three plans of study are available depending on the student's background and professional goals.

### College of Education Requirements for the Master of Arts (M.A.) Degree

A minimum of 30 semester hours is required for the master's degree, at least 16 hours of which must be at the 6000 level. Courses at the 7000 level are advanced graduate level courses and thus are not approved to be part of the master's degree program.

The M.A., **Plan I**—program of graduate study is for those with a degree or appropriate initial teacher certification in the area of concentration who desire to increase their competence in a subject specialization or to receive additional professional preparation in an educational service area. The Plan I program is not available in all concentration areas. Contact the program for information.

#### Plan I Degree Requirements

Most Plan I students must take a minimum of one of the following Process Core (Foundation) courses. Additional requirements are described under the Program descriptions.

Process Core 3-12 hours

EDF 6211 or EDF 6215

EDF 6481, EDF 6432

EDF 6517 or EDF 6544 or EDF 6606

Current Trends Course in Teaching

Specialization - 3 hours

Concentration - 18 hours minimum

Comprehensive Examination

Thesis (Some programs have a Thesis option available)

**Note: Check with the program of interest for programmatic variations.**

**The M.A., Plan II** –programs are appropriate for students who wish to meet teacher certification requirements in an area of concentration while pursuing a master's degree program approved for initial certification by the State of Florida. Contact the program for program requirements, and <http://www.coedu.usf.edu/sas> for internship and State of Florida testing requirements. Plan II programs are no longer available in many specialization areas. The M.A.T. programs fulfill the same purpose.

#### Minimum Requirements:

Process Core 15 hours

EDF 6432 EDF 6481 EDG 4620

EDF 6211 or EDF 6215

EDF 6517 or EDF 6544 or EDF 6606

Current Trends Course in Teaching Specialization - 3 hours

ESOL 3- 9 hours (depending on concentration area)

Special Methods Courses 3-12 hours

Concentration (Content) Coursework -18 graduate hours

Classroom Management, School Safety,

Professional Ethics and Educational Law 3 hrs.

Reading Process/Methods of Teaching Reading 3-12 hrs.

Internship - 6 hours (graduate level)

Planned observation and teaching, supervised by a member of the University faculty and a school staff member. Please refer to

<http://www.coedu.usf.edu/sas> for specific

internship and State of Florida testing requirements.

Comprehensive Examinations are required in the College of Education and may be required in the College of Arts and Sciences for joint programs.

**Note: Check with the program of interest for programmatic variations.**

The M.A., **Plan III** (not available in all areas). This is a program of graduate study for the holder of a non-education baccalaureate degree who does not desire to meet initial certification requirements in the State of Florida. This plan is not available in all concentration areas. Please contact the program for information.

#### Plan III Minimum Program Requirements:

Process Core 12 hours

EDF 6432, EDF 6481

EDF 6211 or EDF 6215

EDF 6517 or EDF 6544 or EDF 6606

Current Trends Course in Teaching Specialization – 3 hrs.

Undergraduate Pre-requisites as necessary

Concentration (Content) – 18 graduate hrs. minimum

Comprehensive Examination

**Note: Check with the program of interest for programmatic variations.**

The **M.A.T.** degree is designed for holders of a non-education baccalaureate degree who desire to meet initial teacher certification requirements as part of a graduate program. The baccalaureate degree must be appropriate (as deemed by program faculty) for the teaching field in which certification

is sought. Reference the program for M.A.T. degree requirements.

The **M.Ed.** degree is designed for individuals who have a minimum of two years of relevant educational or professional experience in the concentration selected, as judged by the program faculty. This degree option is offered to students pursuing graduate study in educational leadership or curriculum and instruction with an associated specialization/concentration.

#### **College of Education Requirements for the Master of Education degree (M.Ed.)**

Two degree tracks are offered.

1. **Educational Leadership** The M.Ed. in Educational Leadership is designed to improve performance in K-12 school leadership. The degree provides coursework that meets Florida Educational Leadership Core Curriculum requirements in public school curriculum and instruction, organizational management and development, human resource management and development, leadership skills, communication skills, technology, educational law, and educational finance. Successful completion of the program fulfills degree and core curriculum requirements for Florida certification in Level I, K-12 Educational Leadership-Administrative Class. See description under the program section for specific requirements.

2. **Curriculum and Instruction** The M.Ed. degree in Curriculum and Instruction, with a concentration (specialization) area – This degree is designed for the individual who has a minimum of two years of relevant educational or professional experience in a specialization area who wishes to pursue advanced study in that area. The primary objective is to prepare instructional leaders through courses in curriculum, methods, supervision, learning principles, human interaction, and areas of concentration/ specialization. The foundation areas (professional studies) receive greater emphasis in the M.Ed. programs than the M.A. programs. Coursework in the concentration/specialization may include courses in colleges other than the College of Education.

The M.Ed. degree requires a minimum of 33 semester hours with 60 percent or more of the courses at the 6000 level. Courses at the 7000 level are advanced graduate level courses and thus are not approved to be part of the master's degree program.

#### **Master of Education (M.Ed.) Degree**

##### **Requirements:**

##### **Program of Study**

Process Core 12 hours minimum

EDF 6432 EDF 6481

EDF 6211 or EDF 6215 or equivalent

EDF 6517 or EDF 6544 or

EDF 6606 or equivalent

EDG 6627 (a prerequisite course may be required at the undergraduate level)

Curriculum and Instruction 3 hours min.

Concentration (Content Specialization) 18 graduate hours minimum

Comprehensive Examination

**See individual program descriptions and contact the program of interest for programmatic variations.**

#### **Advanced Graduate Degree Programs**

The advanced graduate degree programs lead to the **Education Specialist (Ed.S.)** degree, the **Doctor of Education (Ed.D.)** degree, and the **Doctor of Philosophy (Ph.D.)** degree. To be considered for admission to any advanced graduate degree program, students must have earned degrees from regionally accredited institutions, or hold equivalent foreign degrees as determined by an evaluation conducted by an agency approved for foreign credential evaluation, meet the program and/or college-specified minimum GRE and/or GPA-requirements and be favorably recommended also by program faculty or a program admissions committee. Additionally, students must comply with any other college or program requirements specified for the prospective degree program. **Note: Please check with the program of interest for programmatic variations.**

The Ed.S. and Ph.D. degrees with a concentration in Interdisciplinary Education are administered by the Interdisciplinary Education Program Coordinator, Dr. E.V. Johanningmeier, EDU 380-S, (813) 974-9495.

#### **Education Specialist Degree Program (Ed.S.)**

This degree is offered in the areas of **Educational Leadership** and in **Curriculum and Instruction** with a concentration area.

#### **College of Education Requirements for the Education Specialist Degree (Ed. S.)**

The Ed. S. degree consists of a minimum of 36 hours beyond the master's degree and is flexible in its requirements. The degree is designed to provide professional educators with an opportunity to

develop competencies in areas of special needs and interests. Consequently, the degree program has few required courses, and each student's program is individually planned in consultation with a faculty program committee. Courses at the 5000 level are inappropriate; and a minimum of 15 hours should be taken at the 7000 level.

#### **Program of Study**

Concentration coursework 27 hours minimum.  
Thesis (Project) 9 hours minimum  
Comprehensive Examination (oral and/or written)  
Oral defense of the project/thesis

**Thesis/Project – Ed.S. Degree.** The student is required to plan and successfully complete an individual thesis or project. The purpose is to provide an opportunity for the student to apply knowledge gained in the program to the resolution of significant needs arising from professional practice. A minimum of 9 semester hours of thesis enrollment is required in the Ed.S. degree program. Students are required to enroll for a minimum of 2 semester hours in the 6971 thesis course each semester while working on the Ed.S. project and for 2 graduate semester hours in the semester during which the student plans to graduate. Students who have not completed the project after enrolling in the required 9 hours must continue to enroll in a minimum of 2 graduate credit hours each semester, including the semester in which the project is submitted to the College Associate Dean for Academic Affairs or Graduate Studies (School Psychology students). Students must have an oral defense of the project/thesis with their project/thesis supervisory committee.

#### **Doctor of Education Degree Program (Ed. D.)**

The Doctor of Education degree is available in Educational Leadership and in Educational Program Development with concentrations/specializations in Adult Education, Educational Leadership (K-12 and College Leadership), Elementary Education, Special Education Administration and Supervision, and Vocational Education. The focus of this degree program is on the improvement of educational practice. Although research skills are recognized as being the basis of any doctoral program, the Ed.D. is considered more a practitioner's than a research degree. Currently, the degree in Special Education Administration and Supervision is closed to new admissions.

#### **College of Education Minimum Requirements for the Doctor of Education Degree (Ed. D.)**

##### **Program of Study**

The Ed. D. requires a minimum of 76 hours beyond the master's degree.

Concentration

Major Emphasis Area 24 hours

Curriculum and Instruction 6 hours

Statistics/Measurement/ Research Design 11-16 hours

Psychological and Social Foundations 11-12 hours

Dissertation 24 hours min.

##### **Dissertation**

Beginning with the semester immediately following admission to candidacy, students must be enrolled for a minimum of 12 dissertation credit hours in each 12-month period for the first two years after being admitted to candidacy. Students may complete the 12 hours in either two or three semesters but must be enrolled for dissertation hours in the Fall and Spring semesters of each year during the two year (24-month) period. Students may elect not to register for dissertation hours during the summer semester if in this two-year period they are not using university facilities or other USF resources, including faculty and staff time.

If such resources are being used, then enrollment in a minimum of two dissertation hours during the Summer semester is required. If the dissertation is not completed by the time the 24 hours of dissertation credit have been accrued, students must enroll continuously, including Summer semester, for a minimum of two dissertation hours per semester until graduation. (This includes the semester during which the dissertation is defended and the semester in which final submission of the dissertation is made to the Graduate School).

Exceptions to the continuous enrollment policy may be approved if the major professor writes a letter of petition to the Associate Dean for Academic Affairs, indicating specifically the nature and duration of the exception and the justification. Unless an exception has been approved, failure to enroll as specified may result in dismissal of the student from the program. To be readmitted, the student must secure permission from the major professor and write a letter of petition, co-signed by the major professor, to the Associate Dean for Academic Affairs, outlining in detail a timeline for completing the dissertation. The Associate Dean for Academic Affairs will approve or deny the petition. This process will be independent of, and will not



replace, any procedures required for readmission by the University Office of the Graduate School, or the department.

### **Residency**

Ed.D. students must enroll for at least nine hours of graduate work in each of two semesters in a 12-month period. Individual programs may have additional residency requirements.

### **Doctoral Qualifying Examination**

Students must demonstrate satisfactory performance on the Doctoral Qualifying Examination before admission to candidacy. (See current College of Education Graduate Handbook, <http://www.coedu.usf.edu>; also consult Faculty Program Advisor).

### **Doctor of Philosophy Degree Program (Ph.D.)**

The Doctor of Philosophy degree is available in Curriculum and Instruction with concentrations in the following areas: Adult Education, College Student Affairs, Counselor Education, Early Childhood Education, Elementary Education, English Education, Higher Education, Instructional Technology, Interdisciplinary Education, Mathematics Education, Measurement and Evaluation, Reading/Language Arts Education, Science Education, Secondary Education (Social Science Concentration), and Special Education. Contact the College of Visual and Performing Arts for information on the Ph.D. in Music Education.

The Ph.D. degree is also available in School Psychology, and Second Language Acquisition and

Instructional Technology (a joint program with the College of Arts and Sciences).

### **College of Education Minimum Requirements for the Doctor of Philosophy Degree Program (Ph.D.) in Curriculum and Instruction.**

Refer to the program sections for Ph.D. requirements for School Psychology and Second Language Acquisition/Instructional Technology (SLAIT).

### **Program of Study**

Ph.D. program requires a minimum of 75 credit hours beyond the master's degree.

Concentration/Specialization

Major Emphasis Area 18 graduate hours minimum  
Curriculum & Instruction 3 hours

Cognate Area 12 hours min.

Statistics/Measurement/Research Design 11-16 hours

Psychological and Social Foundations 7-8 hours min.

Dissertation 24 hours minimum

### **Dissertation, Residency, Doctoral Qualifying Examination**

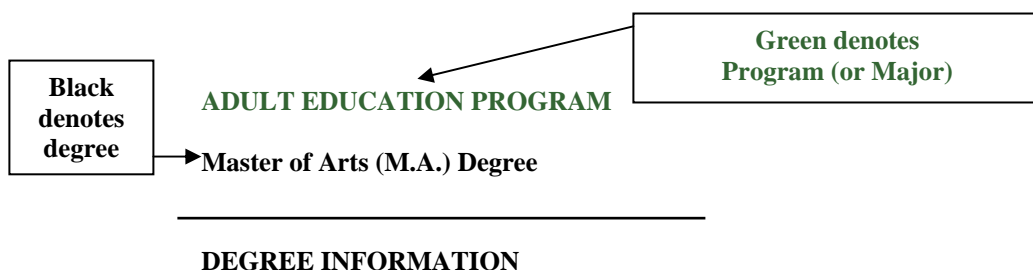
(Refer to the COE Graduate Handbook, [www.coedu.usf.edu](http://www.coedu.usf.edu), link to Graduate Students.

Note that the College of Education Residency section for the Ph.D. degree indicates that half time employment is required in addition to registering for nine graduate hours per semester, two semesters in a 12 month period)

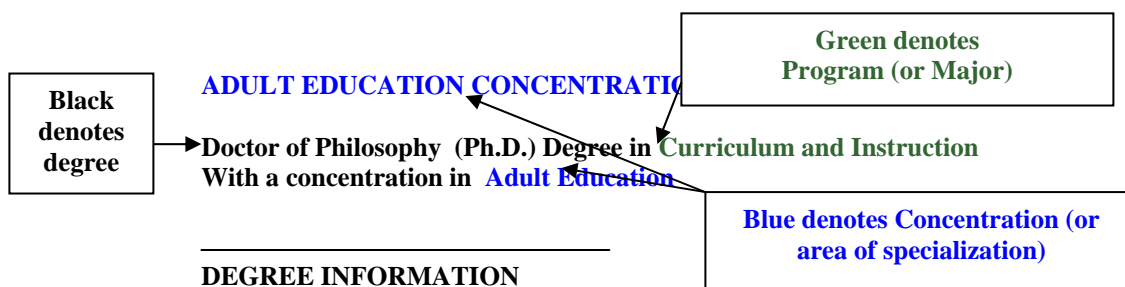
## About the Catalog

The University of South Florida Graduate Catalog is organized with the degree programs offered listed in the section of the college that offers them. For example, the Master of Science degree with a “program” (also known as major) in Biology is listed in the College of Arts and Sciences section. Some colleges offer areas of specialization, or “concentrations” within a degree program.

### EXAMPLE OF PROGRAM PAGE



### EXAMPLE OF CONCENTRATION PAGE



The name of the program and/or concentration does not appear on the diploma – only the name of the degree (i.e., Master of Arts) is listed. The program and concentration information is listed on the official transcript. Other areas, such as application track, are not listed on the transcript.

## ADULT EDUCATION PROGRAM

### Master of Arts (M.A.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.1201
<b>Dept Code:</b>	LEA
<b>Program (Major/College):</b>	AAE ED

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Adult, Career & Higher Education
<b>Program Coordinator:</b>	Suzanne Kirkman
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-1972
<b>Fax:</b>	813-974-3366
<b>Email:</b>	<a href="mailto:adulted@coedu.usf.edu">adulted@coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/main/departments/ache/ade/ade.html">http://www.coedu.usf.edu/main/departments/ache/ade/ade.html</a>

##### Mailing Address:

University of South Florida  
College of Education  
Adult, Career and Higher Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

#### PROGRAM INFORMATION

##### Program Description

The Adult Education program provides professional development opportunities to individuals concerned with the learning of adults. It includes courses and experiences for persons employed in or intending to enter adult education as a field of study. This degree is intended to help individuals work with adult learners in a wide variety of school and non-school settings. It is intended for holders of a non-education baccalaureate degree who do not wish to meet teacher certification requirements in the State of Florida. This Adult Education degree is a Plan III, non-certification option.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

Admissions to the M.A. program in Adult Education is based on a holistic evaluation of the applicants' demonstrated potential to complete successfully all of the course and research requirements specific to the degree. Success in the program requires excellent presentation and high quality writing skills, scholarship, and a commitment to systematic inquiry.

The admissions committee will consider each applicant in light of his or her qualifications and likelihood of success. The faculty takes into account all of the information, and balances previous grade point averages, test scores, previous success in graduate course work, recommendations, and professional goals.

##### Admission Process

For consideration for admission, students must submit:

1. A clear and detailed statement of professional and personal goals describing the reasons that earning the degree is important to those goals;
2. Two letters of recommendation, preferably at least one from a current or former professor who will attest to the applicant's likelihood of success in a graduate program;
3. A grade point average while classified as an upper division student in a baccalaureate degree at a regionally accredited university of 3.0 on a 4.0 scale; or
4. A Master's degree in a related field from a regionally accredited institution with an overall GPA of at least 3.5 on a 4.0 scale; or

5. Strong GRE scores having no more than one sub-test score below the 33<sup>rd</sup> percentile. If a score in one area is very low, the other should be considerably higher. In some instances, GMAT, LSAT or MCAT scores may be substituted for the GRE.
6. If the upper division undergraduate GPA is less than 3.0, the applicant must also have GRE Scores. In the case of a GPA below 3.0, the faculty expect to see high GRE scores, usually exceeding 500 on both the verbal and quantitative subtests. In the event that an applicant does not meet the 3.0 GPA, or the GRE expectations, the applicant must complete at least 6 graduate semester hours as a non-degree seeking student in coursework taught by an adult education program faculty member before consideration for admission;
7. have proof of educational or professional experience;
8. obtain favorable recommendations for admission at the department and college levels and,
9. satisfy any additional academic requirements or prerequisites identified by the program.

Coursework may be allowed in lieu of the GPA or GRE requirement. In exceptional cases, students not meeting the above criteria may be considered for admission by successfully completing at least 6 graduate semester hours of coursework taught by an adult education program faculty member.

Students may additionally submit documentation of their potential for success with inclusion of the following:

1. Significant successful professional experiences related to the academic program and professional goals of the applicant;
2. Demonstrated commitment to personal and professional growth and development and to the completion of the coursework and project demands of the program;
3. Excellent communication skills.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of

transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

### **DEGREE PROGRAM REQUIREMENTS**

A minimum of 36 semester hours is required for the master's degree, at least 16 hours of which must be at the 6000 level. Courses at the 7000 level are advanced graduate level courses and thus are inappropriate for the master's degree program. This program is available as a Plan III non-certification option.

#### **Program of Study (non-thesis option) 36 hours**

Process Core 6 hours:

EDF 6481 or EDF 6432 and one approved Psychological or Social Foundations course.

General Adult Education (ADE 6080 or approved alternative) 4 hours

Specialization in Adult Education 12 hours, to include: Required Courses ADE 6385, EDG 6931 (prior approval needed). Remaining hours to be selected from among: ADE 6160 ADE 6197 ADE 6280 ADE 6287 ADE 6370 ADE 6946 ADE 6161 ADE 6360 EDG 6906

Other courses offered throughout the University may be selected as part of the remaining hours needed for degree completion based upon the student's selection and program advisor's approval. At least one course must be taken outside the program area.

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards and accreditation criteria.

### **COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## ADULT EDUCATION CONCENTRATION

### Master of Education (M.Ed.) Degree in the Curriculum and Instruction Program With a concentration in **Adult Education**

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
Not accepting applications.

**Minimum Total Hours:** 33  
**Program Level:** Masters  
**Program Status:** Inactive

**CIP Code:** 13.0301  
**Dept Code:** CNI  
**Program (Major/College):** CUR ED  
**Concentration Code:** CAE

#### CONTACT INFORMATION

**College:** Education  
**Department:** Adult, Career & Higher Education  
**Program Coordinator:** William H. Young  
**Other Contact:** n/a  
**Phone:** 813-974-1861  
**Fax:** 813-974-3366  
**Email:** [wyoung@coedu.usf.edu](mailto:wyoung@coedu.usf.edu)  
**Web Address:** <http://www.coedu.usf.edu>

**Mailing Address:**  
 University of South Florida  
 College of Education  
 Adult, Career and Higher Education  
 4202 E. Fowler Avenue EDU162  
 Tampa FL 33620

---

**Inactive.** Currently, students are not being admitted to this program.

## ADULT EDUCATION CONCENTRATION

### Education Specialist (Ed.S.) degree in the Curriculum and Instruction Program With a concentration in Adult Education

---

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Specialist
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	SAE

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Adult, Career & Higher Education
<b>Program Coordinator:</b>	William H. Young
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-1861
<b>Fax:</b>	813-974-3366
<b>Email:</b>	<a href="mailto:adulded@coedu.usf.edu">adulded@coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>
<b>Mailing Address:</b>	University of South Florida College of Education Adult, Career and Higher Education 4202 E. Fowler Avenue EDU162 Tampa FL 33620

---

#### PROGRAM INFORMATION

##### Program Description

This Ed.S. program prepares practitioners and teachers for the broad field of Adult Education. This includes public and proprietary schools, and non-school based settings such as business and industry, the professional associations, community agencies, and governmental units.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

##### Program Admission Requirements

Admission to Ed. S. program in Adult Education is based on a holistic evaluation of the applicants' demonstrated potential to successfully complete all of the course and research requirements of the specific degree programs. Success in the program requires excellent skills, scholarship in writing and research, and a commitment to high quality and systematic inquiry.

The program faculty will consider each applicant in light of his or her qualifications and likelihood of success, first by reviewing the submitted materials and then through a personal interview for candidates who meet all other criteria. Applications are considered on a continuous basis throughout the year, although the offering of

courses favors fall semester for initial registration. The faculty employ a holistic approach to the admissions consideration, taking into account all of the information and balancing test scores, previous grade point averages, recommendations, professional experiences and successes, etc.

##### Admission Process

For consideration for admission, students must submit:

1. A current professional vita or resume;
2. A clear and detailed statement of professional and personal goals describing the reasons that earning the doctorate is important to those goals;
3. Three letters of recommendation from former professors or supervisors who will attest to the applicant's likelihood of academic success in the doctoral program;
4. A master's degree from a regionally accredited university with a 3.5 GPA on a 4.0 scale at the graduate level or a 3.0 GPA for work done while classified as an upper division student in a baccalaureate degree program.
5. GRE scores having no more than one sub-test score below the 33<sup>rd</sup> percentile. If a score in one area is low, the other should be considerably higher. In some instances, GMAT, LSAT or MCAT scores may be substituted for the GRE;

6. Proof of educational or professional experience;
7. Coursework may be allowed in lieu of GPA or GRE requirement;
8. Significant successful professional experiences related to the academic program and professional goals of the applicant;
9. Demonstrated commitment to personal growth and development and to the completion of the rigorous course and research demands of the program;
10. Excellent academic, analytical and communication skills.

In exceptional cases, students not meeting these criteria may submit additional or alternative documentation of their potential for success in doctoral level studies.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

## DEGREE PROGRAM REQUIREMENTS

<b>Program of Study:</b>	36 hours minimum
Specialization:	18 hours minimum
Electives:	9 hours
Thesis/Project:	9 hours
Comprehensive Examination	
Oral defense of the project/thesis.	

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

## COURSES

Courses include, but are not limited to: ADE 7388; ADE 7937; ADE 7931; ADE 7910; ADE 7947; EVT 7168. See <http://www.ugs.usf.edu/sab/sabs.cfm>

## OTHER INFORMATION

Please check with program before applying

## ADULT EDUCATION CONCENTRATION

### Doctor of Philosophy (Ph.D.) Degree in the Curriculum and Instruction Program With a concentration in Adult Education

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	75-81
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	DAE

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Adult, Career & Higher Education
<b>Program Director:</b>	William H. Young
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-1861
<b>Fax:</b>	813-974-3366
<b>Email:</b>	<a href="mailto:adulthood@coedu.usf.edu">adulthood@coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

##### Mailing Address:

University of South Florida  
College of Education  
Adult, Career and Higher Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

---

#### PROGRAM INFORMATION

##### Program Description

Prepares leaders, researchers, university faculty, and related personnel to serve in the broad field of adult education.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

Admission to the Ph.D. program in Adult Education is based on a holistic evaluation of the applicants' demonstrated potential to successfully complete all of the course and research requirements of the specific degree programs. Success in the program requires excellent skills, scholarship in writing and research, and a commitment to high quality and systematic inquiry.

The program faculty will consider each applicant in light of his or her qualifications and likelihood of success, first by reviewing the submitted materials and then through a personal interview for candidates who meet all other criteria. Applications are considered on a continuous basis throughout the year, although the offering of courses favors fall semester for initial registration. The faculty employ a holistic approach to the admissions consideration, taking into account all of the information and balancing test scores, previous grade point averages,

recommendations, professional experiences and successes, etc.

##### Admission Process

For consideration for admission, students must submit:

1. A current professional vita or resume;
2. A clear and detailed statement of professional and personal goals describing the reasons that earning the doctorate is important to those goals;
3. Three letters of recommendation from former professors or supervisors who will attest to the applicant's likelihood of academic success in the doctoral program;
4. A master's degree from a regionally accredited university with a 3.5 GPA on a 4.0 scale at the graduate level or a 3.0 GPA for work done while classified as an upper division student in a baccalaureate degree program.
5. GRE scores having no more than one sub-test score below the 33<sup>rd</sup> percentile. If a score in one area is low, the other should be considerably higher. In some instances, GMAT, LSAT or MCAT scores may be substituted for the GRE.
6. Proof of educational or professional experience



7. Coursework is allowed in lieu of GPA or GRE requirement
8. Significant successful professional experiences related to the academic program and professional goals of the applicant;
9. Demonstrated commitment to personal growth and development and to the completion of the rigorous course and research demands of the program;
10. Excellent academic, analytical and communication skills.

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

## DEGREE PROGRAM REQUIREMENTS

Program of Study:	75-81 hours
Specialization/Concentration:	18 hours min.
Cognate Area Required):	12 hours
Curriculum and Instruction:	3 hours
Measurement/Statistics/Research Design:	11-16 hours
Psychological and Social Foundations:	7-8 hours
Dissertation (ADE 7980):	24 hours min.

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

## COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## ADULT EDUCATION CONCENTRATION

### Doctor of Education (Ed.D.) Degree in the Educational Program Development Program With a concentration in Adult Education

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours:</b>	62-65
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	EPD ED
<b>Concentration Code:</b>	EAE

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Adult, Career & Higher Education
<b>Program Coordinator:</b>	William H. Young
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-1861
<b>Fax:</b>	813-974-3366
<b>Email:</b>	<a href="mailto:adulthood@coedu.usf.edu">adulthood@coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>
<b>Mailing Address:</b>	University of South Florida College of Education Adult, Career and Higher Education 4202 E. Fowler Avenue EDU162 Tampa FL 33620

#### PROGRAM INFORMATION

##### Program Description

Prepares leaders for adult, continuing education, and human resource development positions in a variety of employment settings. The program is designed to develop the competencies of educational practitioners and to obtain and synthesize knowledge for the solution of educational problems and practices.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

Admission to the Ed.D. program in Educational Program Development with an emphasis in Adult Education is based on a holistic evaluation of the applicants' information and balancing test scores, previous grade point averages, recommendations, professional experiences and successes, etc.

Success in the program requires excellent skills of scholarship in writing and research and a commitment to high quality and systematic inquiry.

The program faculty will consider each applicant in light of his or her qualifications and likelihood of success, first by reviewing the submitted materials and then through a personal interview for candidates who meet all other criteria. Applications are considered on a continuous

basis throughout the year, although the offering of courses favors fall semester for initial registration

##### Admission Process

For consideration for admission, students must submit:

1. A current professional vita or resume;
2. A clear and detailed statement of professional and personal goals describing the reasons that earning the doctorate is important to those goals;
3. Have previous experience or a strong desire to work with adults in meeting their formal or informal education and/or training needs.
4. Must provide proof of educational or professional experience.
5. Submit a personal statement of the applicant's vision/philosophy for Adult Education and its relationship to the future of Adult Education.
6. Submit three letters of recommendation from persons knowledgeable about the applicant's academic and professional competence as it relates to the successful completion of doctoral studies.

7. Obtain favorable recommendations from the program faculty.
8. Satisfy any additional academic requirements or prerequisites identified by the program.
9. A master's degree from a regionally accredited university (or international equivalent) with 3.5 GPA on a 4.0 scale and a 3.0 for upper division level undergraduate coursework;
10. Strong overall GRE scores having no more than one sub-test score below the 33<sup>rd</sup> percentile. If a score in one area is low, the other should be considerably higher; In some instances, GMAT, LSAT or MCAT scores may be substituted for the GRE.
11. Significant successful professional experiences related to the academic program and professional goals of the applicant;
12. Demonstrated commitment to personal and professional growth and development and to the completion of the rigorous course and research demands of the program
13. Excellent academic, analytical and communication skills.

In exceptional cases, students not meeting these criteria may submit additional or alternative documentation of their potential for success in doctoral level studies.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html>, for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

### DEGREE PROGRAM REQUIREMENTS

For students who do not have a master's degree in adult education, ADE 6080 Adult Education in the United States is a pre-requisite to doctoral study.

**Program of Study: 62-65 hours minimum**  
**Basic Core 13 hours\*\***  
 ADE 7930 Doctoral Seminar in Adult Education  
 ADE 7388 Adult Development and Learning  
 EVT 7761 Research Seminar in Vocational, Technical and Adult Education  
 ADE 7947 Advanced Internship:Adult Education

**Concentration (Specialization) Courses 9 hours**

Students must take the core of courses listed under the specialization of choice or receive approval from their program of studies committee to take other courses. For those who have not earned a master's degree in adult education, the continuing education and human resource development specialization is the only specialization choice available.

#### Continuing Education and Human Resource Development Specialization

ADE 6198 Effective Continuing Education for Professional Groups,  
 ADE 7076 Continuing Education in the Community College and Higher Education  
 ADE 7676 Human Resource Development Policy Seminar

**OR**

#### Workforce Development Specialization

EVT 7066 Foundations and Philosophy of Vocational-Technical Education  
 EVT 7267 Vocational and Adult Education Program Planning and Implementation  
 EVT 6661 Current Trends

**OR**

#### Community College and Higher Education Specialization

EDH 6051 Higher Education in America or EDH 6061 The Community College in America  
 EDH 7225 Curriculum Development in Higher Education  
 EDH 7636 Organizational Theory and Practice in Higher Education  
 Elective (to complete 24 hour concentration requirement)

#### Curriculum and Instruction: 3 hours

The Curriculum component is satisfied by successfully completing one of the following courses:  
 EDG 7667 Analysis of Curriculum  
 EDG 7692 Issues in Curriculum and Instruction  
 EDH 7225 Curriculum Development in Higher Education  
 EVT 7168 Instructional Development of Vocational, Technical and Adult Education

#### Research And Measurement Core: 7-8 Hours\*\*

EDF 6407 Stat Analysis Ed. I  
 EDF 7408 Statistical Analysis for Educational Research II

One of the following courses must also be selected:  
 EDF 7410 Design of Systematic Studies in Education  
 EDF 7438 Advanced Educational Measurement I  
 EDF 7484 Statistical Analysis for Educational Research III  
 EDF 7493 Systems Approaches for Program Planning, Evaluation and Development  
 EDF 7477 Qualitative Research in Education Part I and  
 EDF 7478 Qualitative Research in Education Part II

**Psychological and Social Foundations Core 6-8 Hours**

(At least one course must be taken in each of the Foundation areas.)

**Psychological Foundations**

EDF 7145 Cognitive Issues in Instruction  
EDF 7655 Organization Development in Educational Institutions

**Social Foundations**

EDF 6883 Issues in Multicultural Education  
EF 7934 Seminar in Social Foundations of Education  
EDF 6938 History of Higher Education in the United States

**Dissertation 24 hours**

ADE 7980 Dissertation: Doctoral

This course may be a pre-requisite to doctoral study.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

## BUSINESS AND OFFICE EDUCATION PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
**Fall:** March 15  
**Spring:** October 15  
**Summer:** March 1

**Minimum Total Hours:** 33  
**Program Level:** Masters  
**Program Status:** Inactive

**CIP Code:** 13.1303  
**Dept Code:** LEA  
**Program (Major/College):** ABE ED

**This program is not currently accepting new admissions.**

#### CONTACT INFORMATION

**College:** Education  
**Department:** Adult, Career & Higher Education  
**Program Coordinator:** Janet Scaglione  
**Other Contact:** n/a  
**Phone:** 813-974-0038  
**Fax:** 813-974-3366  
**Email:** [scaglioni@coedu.usf.edu](mailto:scaglioni@coedu.usf.edu)  
**Web Address:** <http://www.coedu.usf.edu>

**Mailing Address:**  
 University of South Florida  
 College of Education  
 Adult, Career and Higher Education  
 4202 E. Fowler Avenue EDU162  
 Tampa FL 33620

---

**Inactive.** Currently, students are not being admitted to this program

## BUSINESS AND OFFICE EDUCATION CONCENTRATION

### Master of Education (M.Ed.) Degree in Curriculum and Instruction With a concentration in Business and Office Education

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
Not accepting applications

**Minimum Total Hours:** 33  
**Program Level:** Masters  
**Program Status:** Inactive

**CIP Code:** 13.0301  
**Dept Code:** CNI  
**Program (Major/College):** CUR ED  
**Concentration Code:** CBE

#### CONTACT INFORMATION

**College:** Education  
**Department:** Adult, Career & Higher Education  
**Program Coordinator:** Janet Scaglione  
**Other Contact:** n/a  
**Phone:** 813-974-0038  
**Fax:** 813-974-3366  
**Email:** [Scaglione@coedu.usf.edu](mailto:Scaglione@coedu.usf.edu)  
**Web Address:** <http://www.coedu.usf.edu>

**Mailing Address:**  
University of South Florida  
College of Education  
Adult, Career and Higher Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

---

**Inactive.** Currently, students are not being admitted to this program

## CAREER AND TECHNICAL EDUCATION PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15 Fall admission only
<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.1320
<b>Dept Code:</b>	LEA
<b>Program (Major/College):</b>	ACT ED

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Adult, Career & Higher Education
<b>Program Coordinator:</b>	William Blank
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-0314
<b>Fax:</b>	813-974-3366
<b>Email:</b>	<a href="mailto:blank@coedu.usf.edu">blank@coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/main/department/ache/cte/cte_ma.html">http://www.coedu.usf.edu/main/department/ache/cte/cte_ma.html</a>

#### Mailing Address:

University of South Florida  
College of Education  
Adult, Career and Higher Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

---

#### PROGRAM INFORMATION

##### Program Description

The MA Degree in Career & Technical Education (CTE) is designed for practicing professionals in all areas of CTE including Business, Health Occupations, Industrial, Technology, Agriculture, Marketing and Public Service and related areas. The program is designed to assist instructors and current or aspiring leaders to enhance their instructional, program improvement and leadership competencies. This program is available as Plan I and Plan III, non-certification options.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

##### Admission Process

The program faculty give preference to applicants with:

1. Experience in the field of Career & Technical Education (or closely related field);
2. Certification in a CTE program area or closely related area (a statement of current certification status in letter of application is sufficient documentation);
3. A grade point average in upper division undergraduate coursework from a regionally accredited university (or international equivalent) of 3.0 on a 4.0 scale;
4. In exceptional cases, a student with an upper-level undergraduate GPA of 2.50-2.99 may be considered for admission (based on age of the degree, discipline, institution and other considerations). In each of those cases, the student must earn a 3.5 GPA in the first two courses in the program to be permitted to continue;
5. A letter of application containing a statement of professional goals
6. A current resume or vita.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please

check with program regarding the policy on evaluation of transcripts. For more information, please visit

<http://admissions.grad.usf.edu/international.html>

The admissions committee will consider each applicant in light of his or her qualifications and likelihood of success. The faculty employs a holistic approach of the admissions consideration, taking into account all of the information and balancing previous grade point averages, test scores, previous success in graduate course work, recommendations, and professional experiences as well as fit of the program to the applicants' personal and professional goals.

### **DEGREE PROGRAM REQUIREMENTS**

Plan I - At least 36 Semester hours including one Process Core course and 18 semester hours in Career and Technical Education.

Plan III - At least 36 semester hours including course requirements in Career and Technical Education, and at least three Process Core courses which may include MHS 6340. This M.A. degree program does not lead to teacher certification. Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

### **COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>



## CAREER AND WORKFORCE EDUCATION CONCENTRATION

### Doctor of Philosophy (Ph.D.) Degree in the Curriculum and Instruction Program With a concentration in Career and Workforce Education

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
Fall:	March 15
Spring:	October 15
Summer:	March 1
<b>Minimum Total Hours:</b>	75-81
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	DVO

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	
<b>Program Coordinator:</b>	Victor Hernandez-Gantes
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-1277
<b>Fax:</b>	813-974-3366
<b>Email:</b>	<a href="mailto:vhgantes@coedu.usf.edu">vhgantes@coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

#### Mailing Address:

University of South Florida  
College of Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

#### PROGRAM INFORMATION

##### Program Description

Prepares leaders, researchers, university faculty and related personnel to serve in the broad field of Career and Workforce Education.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Admission to the Ph.D. program in Vocational Education is based on an evaluation of the applicants' demonstrated potential to complete successfully program coursework and research requirements. Success in the program requires a commitment to rigorous and systematic inquiry in the field along with excellent research skills and high quality scholarship.

Program faculty employ a holistic approach to admissions consideration, taking into account all of the information provided by applicants to balance test scores, previous grade point averages, recommendation forms, professional experiences and successes, etc.

**Application Materials.** To be considered for admission, all applicants must submit the following application materials unless a particular requirement can be waived or additional/alternative documentation can be accepted as stated in Admissions Criteria:

1. The University's Graduate Admissions Application and related items (see Office of Graduate Admissions website at: <http://admissions.grad.usf.edu/>).
2. Official Graduate Record Examination (GRE) scores.
3. A current professional vita or resume.
4. A cover letter including a statement of professional and personal goals, and reasons that earning the doctorate is important to those goals.
5. Three Program Recommendation Forms (available for downloading at program website) completed by former professors or supervisors rating the applicant's likelihood of success in the doctoral program.
6. Other application materials as required for international students who must apply through the Office of International Admissions. For a complete list of related requirements visit the office website at: <http://web.usf.edu/iac/admissions/>.
7. A master's degree from a regionally accredited university with a 3.5 or higher graduate grade point average (GPA) on a 4.0 scale.
8. GRE scores with no more than one sub-score below the 33<sup>rd</sup> percentile. If a score in one area is very low, the other should be considerably higher.

- a. In exceptional cases, students not meeting this criterion may submit additional or alternative documentation of their potential for success in doctoral level studies.
- b. GRE scores may be waived in exceptional cases for applicants who have graduated from master's degree programs in the Adult, Career, and Higher Education Department at USF with a GPA of 3.9 or higher (on a scale of 4.0) and received excellent ratings from program faculty (i.e., recommendation forms).
9. Evidence of significant successful professional experiences supporting the fit between professional background, goals, and the applicant's potential doctoral program of study.
10. Demonstrated commitment to personal and professional growth and development and to the completion of the rigorous course and research demands of the Ph. D. program.
11. Excellent academic, analytical and communication skills.
12. Personal or phone interview.

Applicants are responsible for evaluating their individual alignment with criteria for admission to the program, and ensuring that all pertinent materials are submitted for application to the program.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of

transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

**Admission Process.** Applicants are responsible for submitting applications and fees directly to the Office of Graduate Admissions before the program or university application deadlines (see Graduate Admissions website at: <http://admissions.grad.usf.edu/>).

Applications are considered on a continuous basis throughout the year, although students are formally admitted into the program every two years beginning in the fall semester (see program website for upcoming program cycle). Applicants should be aware that meeting admissions requirements does not guarantee admission to the program. To ensure appropriate faculty support, the program will accept only a limited number of students every two years and in some cases applicants meeting or exceeding admission requirements may not be accepted for the requested starting date. To this end, applicants are strongly encouraged to apply early to the program.

#### DEGREE PROGRAM REQUIREMENTS

The program requires a minimum of 75-81 hours beyond the master's degree.

Program of Study	
Specialization in Vocational Education minimum	18 hours
Curriculum and Instruction	3 hours
Cognate	12 hours
Statistics/Measurement/Research Design	11-16 hours
Psychological and Social Foundations	7-8 hours
Dissertation (EVT 7980)	24 hours

Dissertation, Residency, and Doctoral Qualifying Examination. See section with College Requirements.

## COLLEGE STUDENT AFFAIRS CONCENTRATION

### Master of Education (M.Ed.) Degree in the Curriculum and Instruction Program With a concentration in College Student Affairs

#### DEGREE INFORMATION

##### Program Admission Deadlines:

Fall:	March 15
	Fall Admission only

<b>Minimum Total Hours:</b>	42
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	CSA

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	
<b>Program Coordinator:</b>	Wilma J. Henry
<b>Other Contact:</b>	Sabrina Brown
<b>Phone:</b>	813-974-8354
<b>Fax:</b>	813-974-5814
<b>Email:</b>	<a href="mailto:csaprogram@sa.usf.edu">csaprogram@sa.usf.edu</a>
<b>Web Address:</b>	<a href="http://csa.sa.usf.edu">http://csa.sa.usf.edu</a>

##### Mailing Address:

University of South Florida  
College of Education  
College Student Affairs Program  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

#### PROGRAM INFORMATION

The College Student Affairs (CSA) M.Ed. Program at the University of South Florida fosters the intellectual and professional development of individuals seeking careers as student affairs administrators in institutions of higher education. Graduates will be prepared for entry level and mid-management positions in student affairs areas such as: residence life, career services, orientation, student activities, admissions, advising, and financial aid.

This program is designed for full-time students or individuals who currently hold full-time positions within the field of student affairs.

##### Program Description

The CSA Program at the University of South Florida emphasizes three major components: Foundational Studies, Professional Studies, and Supervised Practice, as recommended by the Council for the Advancement of Standards in Higher Education. The curriculum includes theories of human growth and development, environmental influences, and social science based interventions as applied to student affairs practice. The instructional method of relating theory-to-practice is accomplished by involving students in rigorous classroom activity along with internships in specialized areas of student affairs work.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

The CSA Program admits 18-25 students each Fall semester Applicants to the College Student Affairs (CSA) program must meet the admission requirements as established by the Graduate School and the College of Education and should have experience relevant to the program. For admission, all programs require earned degrees from regionally accredited institutions.

Requirements for all applicants include:

1. Official Graduate Record Examination (GRE) score of at least the 50<sup>th</sup> percentile Verbal and the 50<sup>th</sup> percentile Quantitative.  
Or  
A Miller's Analogy Test (MAT) score of at least 50
2. Undergraduate GPA of at least 3.0 on a four-point scale for work done while an upper division student in the Baccalaureate degree.
3. Proof of educational or professional experience
4. Coursework is allowed in lieu of GPA or GRE requirement
5. Provide letters of recommendation
6. Complete an interview with a program committee. Program interviews take place one day per week from January through May.
7. Provide a personal statement of professional goals, resume, and assistantship application.

An assistantship is required for all admitted students. Applicants are required to interview with assistantship supervisors for the various available positions. This process varies from department to department. Students are encouraged to attend the annual Open House event held every Spring to interview in person for assistantship placements. Applications from qualified candidates received by March 15 will have a better opportunity of securing their first choice of assistantship. Students will be interviewed as applications arrive, and assistantship placements will be determined as soon as a match is made.

More detailed information about the program, application process, assistantships, and course sequence can be found on the website. <http://csa.sa.usf.edu>

Students who have GRE subtest scores of less than the 50<sup>th</sup> percentile or MAT scores of less than 50 must have GPAs above 3.2 in order to be considered for admission. Students who have GPAs of 3.65 or more may have the GRE/MAT requirement waived.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

## DEGREE PROGRAM REQUIREMENTS

### 42 Credit hours minimum, to include:

SDS 6042 Introduction to Student Affairs  
SDS 6624 Ecology of Campus Life  
SDS 6645 Student Development Theory  
SDS 6701 Issues in Diversity  
SDS 6703 The Law & Student Affairs  
EDF 6165 Group Processes  
EDF 6481 Foundations of Educational Research  
EDF 6935 Wellness Programming  
EDF 6281 Workshop & Conference Design  
EDF 6944 Field Experience  
EDG 6947 Internship  
EDF 6938 Special Topics

A comprehensive examination is also required. Please contact the program for specific information.

## COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>  
<http://csa.sa.usf.edu/information/courseseq.htm>

**COLLEGE TEACHING PROGRAM****Master of Arts (M.A.) Degree in the College Teaching Program  
With a concentration in **Biology******DEGREE INFORMATION****Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36-39
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Inactive

<b>CIP Code:</b>	13.0406
<b>Dept Code:</b>	LEA
<b>Program (Major/College):</b>	JCT EJ
<b>Concentration Code:</b>	JB1

**CONTACT INFORMATION**

<b>College:</b>	Education
<b>Department:</b>	Adult, Career & Higher Education
<b>Program Coordinator:</b>	Jim Eison
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-4697
<b>Fax:</b>	813-974-3366
<b>Email:</b>	<a href="mailto:highered@tempest.coedu.usf.edu">highered@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

**Mailing Address:**

University of South Florida  
College of Education  
Adult, Career and Higher Education  
Tampa FL 33620

**Inactive.** Currently, students are not being admitted to this program.

**PROGRAM INFORMATION****Program Description**

A program for holders of baccalaureate degrees who wish to teach at the Community College Level. This program does not lead to teacher certification in the State of Florida.

**Accreditation:** Programs in the College of Education are accredited by the Southern Association of Colleges and Schools.

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

The program faculty will consider each applicant in light of his or her qualifications and likelihood of success, first by reviewing the submitted materials and then through a personal interview (may be by telephone) for candidates who meet all other criteria. Applications are considered on a continuous basis throughout the year. The faculty employ a holistic approach to the admissions consideration, taking into account all of the information and balancing test scores, previous grade point averages, recommendations, professional experiences and successes, etc.

Admission to this program requires the approval of the program faculty and concurrence of the

department in which the student will take graduate courses for his or her teaching discipline.

**Program Admission Requirements**

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent. The program faculty give preference to candidates presenting:

1. A baccalaureate degree from a regionally accredited university (or international equivalent) with a 3.0 GPA on a 4.0 scale for upper division coursework in the Baccalaureate degree (with sufficient undergraduate preparation and performance in coursework taken in one's chosen disciplinary concentration to enable the candidate to successfully complete 18 hours or more of graduate coursework in that concentration;
2. Strong overall GRE scores having no more than one sub-test score below the 33<sup>rd</sup> percentile. If a score in one area is low, the other should be considerably higher. In some instances, GMAT, LSAT or MCAT scores may be substituted for the GRE.
3. Demonstrated commitment to personal and professional growth and development

- and to the completion of the rigorous course and research demands of the program;
4. Excellent academic, analytical and communication skills.
  5. A current professional vita or resume;
  6. A clear and detailed statement of professional and personal goals describing the reasons that earning the degree is important to those goals;
  7. Three letters of recommendation from former professors or supervisors who will attest to the applicant's likelihood of success in the program.

In exceptional cases, students not meeting these criteria may submit additional or alternative documentation of their potential for success in graduate level studies.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See

<http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

## DEGREE PROGRAM REQUIREMENTS

(Program Requirements are applicable to all concentrations in the College Teaching Program)

### Biology (BIO 90)

This program requires 36-39 hours minimum, including an internship. In part, the course sequence to be completed will be designed in consultation with an advisor in the concentration area. This program is based on the assumption that the student has an undergraduate background in a concentration area that is a close equivalent to the concentration being pursued in this degree. Students admitted without such preparation may be required to take additional coursework as prerequisites. A student who is well-prepared in the

specialization may be permitted to take fewer courses in the concentration area, substituting approved electives from other fields of study. An internship of 3-6 hours with full-time supervised teaching for one semester or part-time teaching for two semesters is required. One-half of the internship must be in the community college setting. The setting for the other half is left to the discretion of the student's advisor. The internship follows the completion of professional education coursework. The successful completion of a Comprehensive Examination is also required.

### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria

### OTHER INFORMATION

Please access the program's website via [www.coedu.usf.edu](http://www.coedu.usf.edu) Consult the program coordinator prior to applying.

## COLLEGE TEACHING PROGRAM

### Master of Arts (M.A.) Degree in the College Teaching Program With a concentration in **Business**

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36-39
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Inactive

<b>CIP Code:</b>	13.0406
<b>Dept Code:</b>	LEA
<b>Program (Major/College):</b>	JCT EJ
<b>Concentration Code:</b>	JBS

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Adult, Career & Higher Education
<b>Program Coordinator:</b>	Jim Eison
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-4697
<b>Fax:</b>	813-974-3366
<b>Email:</b>	<a href="mailto:highered@tempest.coedu.usf.edu">highered@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

**Mailing Address:**

University of South Florida  
College of Education  
Adult, Career and Higher Education  
Tampa FL 33620

**Inactive.** Currently, students are not being admitted to this program.

#### PROGRAM INFORMATION

**Program Description**

A program for holders of baccalaureate degrees who wish to teach at the Community College Level. This program does not lead to teacher certification in the State of Florida.

**Accreditation:** Programs in the College of Education are accredited by the Southern Association of Colleges and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

The program faculty will consider each applicant in light of his or her qualifications and likelihood of success, first by reviewing the submitted materials and then through a personal interview (may be by telephone) for candidates who meet all other criteria. Applications are considered on a continuous basis throughout the year. The faculty employ a holistic approach to the admissions consideration, taking into account all of the information and balancing test scores, previous grade point averages, recommendations, professional experiences and successes, etc.

Admission to this program requires the approval of the program faculty and concurrence of the department in which the student will take graduate courses for his or her teaching discipline.

**Program Admission Requirements**

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent. The program faculty give preference to candidates presenting:

1. A baccalaureate degree from a regionally accredited university (or international equivalent) with a 3.0 GPA on a 4.0 scale for upper division coursework in the Baccalaureate degree (with sufficient undergraduate preparation and performance in coursework taken in one's chosen disciplinary concentration to enable the candidate to successfully complete 18 hours or more of graduate coursework in that concentration;
2. Strong overall GRE scores having no more than one sub-test score below the 33<sup>rd</sup> percentile. If a score in one area is low, the other should be considerably higher. In some instances, GMAT, LSAT or MCAT scores may be substituted for the GRE.

3. Demonstrated commitment to personal and professional growth and development and to the completion of the rigorous course and research demands of the program;
4. Excellent academic, analytical and communication skills.
5. A current professional vita or resume;
6. A clear and detailed statement of professional and personal goals describing the reasons that earning the degree is important to those goals;
7. Three letters of recommendation from former professors or supervisors who will attest to the applicant's likelihood of success in the program.

In exceptional cases, students not meeting these criteria may submit additional or alternative documentation of their potential for success in graduate level studies.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See

<http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

## DEGREE PROGRAM REQUIREMENTS

(Program Requirements are applicable to all concentrations in the College Teaching Program)

### Business

This program requires 36-39 hours minimum, including an internship. In part, the course sequence to be completed will be designed in consultation with an advisor in the concentration area. This program is based on the assumption that the student has an undergraduate background in a concentration area that is a close equivalent to the concentration being pursued in this degree. Students admitted without such preparation may be required to take additional coursework as prerequisites. A student who is well-prepared in the specialization may be permitted to take fewer courses in the concentration area, substituting approved electives from other fields of study. An internship of 3- 6 hours with full-time supervised teaching for one semester or part-time teaching for two semesters is required. One-half of the internship must be in the community college setting. The setting for the other half is left to the discretion of the student's advisor. The internship follows the completion of professional education coursework. The successful completion of a Comprehensive Examination is also required.

### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria

### OTHER INFORMATION

Please access the program's website via [www.coedu.usf.edu](http://www.coedu.usf.edu) Consult the program coordinator prior to applying.



**COLLEGE TEACHING PROGRAM****Master of Arts (M.A.) Degree in the College Teaching Program  
With a concentration in Chemistry****DEGREE INFORMATION****Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36-39
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Inactive

<b>CIP Code:</b>	13.0406
<b>Dept Code:</b>	LEA
<b>Program (Major/College):</b>	JCT EJ
<b>Concentration Code:</b>	JCH

**CONTACT INFORMATION**

<b>College:</b>	Education
<b>Department:</b>	Adult, Career & Higher Education
<b>Program Coordinator:</b>	Jim Eison
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-4697
<b>Fax:</b>	813-974-3366
<b>Email:</b>	<a href="mailto:highered@tempest.coedu.usf.edu">highered@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

**Mailing Address:**  
University of South Florida  
College of Education  
Adult, Career and Higher Education  
Tampa FL 33620

**Inactive.** Currently, students are not being admitted to this program.

**PROGRAM INFORMATION****Program Description**

A program for holders of baccalaureate degrees who wish to teach at the Community College Level. This program does not lead to teacher certification in the State of Florida.

**Accreditation:** Programs in the College of Education are accredited by the Southern Association of Colleges and Schools.

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

The program faculty will consider each applicant in light of his or her qualifications and likelihood of success, first by reviewing the submitted materials and then through a personal interview (may be by telephone) for candidates who meet all other criteria. Applications are considered on a continuous basis throughout the year. The faculty employ a holistic approach to the admissions consideration, taking into account all of the information and balancing test scores, previous grade point averages, recommendations, professional experiences and successes, etc.

Admission to this program requires the approval of the program faculty and concurrence of the

department in which the student will take graduate courses for his or her teaching discipline.

**Program Admission Requirements**

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent. The program faculty give preference to candidates presenting:

1. A baccalaureate degree from a regionally accredited university (or international equivalent) with a 3.0 GPA on a 4.0 scale for upper division coursework in the Baccalaureate degree (with sufficient undergraduate preparation and performance in coursework taken in one's chosen disciplinary concentration to enable the candidate to successfully complete 18 hours or more of graduate coursework in that concentration);
2. Strong overall GRE scores having no more than one sub-test score below the 33<sup>rd</sup> percentile. If a score in one area is low, the other should be considerably higher. In some instances, GMAT, LSAT or MCAT scores may be substituted for the GRE.
3. Demonstrated commitment to personal and professional growth and development

and to the completion of the rigorous course and research demands of the program;

4. Excellent academic, analytical and communication skills.
5. A current professional vita or resume;
6. A clear and detailed statement of professional and personal goals describing the reasons that earning the degree is important to those goals;
7. Three letters of recommendation from former professors or supervisors who will attest to the applicant's likelihood of success in the program.

In exceptional cases, students not meeting these criteria may submit additional or alternative documentation of their potential for success in graduate level studies.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See

<http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

## DEGREE PROGRAM REQUIREMENTS

(Program Requirements are applicable to all concentrations in the College Teaching Program)

### Chemistry

This program requires 36-39 hours minimum, including an internship. In part, the course sequence to be completed will be designed in consultation with an advisor in the concentration area. This program is based on the assumption that the student has an undergraduate background in a concentration area that is a close equivalent to the concentration being pursued in this degree. Students admitted without such preparation may be required to take additional coursework as prerequisites. A student who is well-prepared in the specialization may be permitted to take fewer courses in the concentration area, substituting approved electives from other fields of study. An internship of 3- 6 hours with full-time supervised teaching for one semester or part-time teaching for two semesters is required. One-half of the internship must be in the community college setting. The setting for the other half is left to the discretion of the student's advisor. The internship follows the completion of professional education coursework. The successful completion of a Comprehensive Examination is also required.

### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria

### OTHER INFORMATION

Please access the program's website via [www.coedu.usf.edu](http://www.coedu.usf.edu) Consult the program coordinator prior to applying.

## COLLEGE TEACHING PROGRAM

### Master of Arts (M.A.) Degree in the College Teaching Program With a concentration in **Economics**

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36-39
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Inactive

<b>CIP Code:</b>	13.0406
<b>Dept Code:</b>	LEA
<b>Program (Major/College):</b>	JCT EJ
<b>Concentration Code:</b>	JEC

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Adult, Career & Higher Education
<b>Program Coordinator:</b>	Jim Eison
<b>Other Contact:</b>	
<b>Phone:</b>	813-974-4697
<b>Fax:</b>	813-974-3366
<b>Email:</b>	<a href="mailto:highered@tempest.coedu.usf.edu">highered@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

**Mailing Address:**

University of South Florida  
College of Education  
Adult, Career and Higher Education  
Tampa FL 33620

**Inactive.** Currently, students are not being admitted to this program.

#### PROGRAM INFORMATION

**Program Description**

A program for holders of baccalaureate degrees who wish to teach at the Community College Level. This program does not lead to teacher certification in the State of Florida.

**Accreditation:** Programs in the College of Education are accredited by the Southern Association of Colleges and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

The program faculty will consider each applicant in light of his or her qualifications and likelihood of success, first by reviewing the submitted materials and then through a personal interview (may be by telephone) for candidates who meet all other criteria. Applications are considered on a continuous basis throughout the year. The faculty employ a holistic approach to the admissions consideration, taking into account all of the information and balancing test scores, previous grade point averages, recommendations, professional experiences and successes, etc.

Admission to this program requires the approval of the program faculty and concurrence of the department in which the student will take graduate courses for his or her teaching discipline.

**Program Admission Requirements**

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent. The program faculty give preference to candidates presenting:

1. A baccalaureate degree from a regionally accredited university (or international equivalent) with a 3.0 GPA on a 4.0 scale for upper division coursework in the Baccalaureate degree (with sufficient undergraduate preparation and performance in coursework taken in one's chosen disciplinary concentration to enable the candidate to successfully complete 18 hours or more of graduate coursework in that concentration;
2. Strong overall GRE scores having no more than one sub-test score below the 33<sup>rd</sup> percentile. If a score in one area is low, the other should be considerably higher. In some instances, GMAT, LSAT or MCAT scores may be substituted for the GRE.

3. Demonstrated commitment to personal and professional growth and development and to the completion of the rigorous course and research demands of the program;
4. Excellent academic, analytical and communication skills.
5. A current professional vita or resume;
6. A clear and detailed statement of professional and personal goals describing the reasons that earning the degree is important to those goals;
7. Three letters of recommendation from former professors or supervisors who will attest to the applicant's likelihood of success in the program.

In exceptional cases, students not meeting these criteria may submit additional or alternative documentation of their potential for success in graduate level studies.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See

<http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

## DEGREE PROGRAM REQUIREMENTS

(Program Requirements are applicable to all concentrations in the College Teaching Program)

### Economics

This program requires 36-39 hours minimum, including an internship. In part, the course sequence to be completed will be designed in consultation with an advisor in the concentration area. This program is based on the assumption that the student has an undergraduate background in a concentration area that is a close equivalent to the concentration being pursued in this degree. Students admitted without such preparation may be required to take additional coursework as prerequisites. A student who is well-prepared in the specialization may be permitted to take fewer courses in the concentration area, substituting approved electives from other fields of study. An internship of 3- 6 hours with full-time supervised teaching for one semester or part-time teaching for two semesters is required. One-half of the internship must be in the community college setting. The setting for the other half is left to the discretion of the student's advisor. The internship follows the completion of professional education coursework. The successful completion of a Comprehensive Examination is also required.

### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria

### OTHER INFORMATION

Please access the program's website via [www.coedu.usf.edu](http://www.coedu.usf.edu) Consult the program coordinator prior to applying.

## COLLEGE TEACHING PROGRAM

### Master of Arts (M.A.) Degree in the College Teaching Program With a concentration in **Engineering**

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36-39
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Inactive

<b>CIP Code:</b>	13.0406
<b>Dept Code:</b>	LEA
<b>Program (Major/College):</b>	JCT EJ
<b>Concentration Code:</b>	JEG

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Adult, Career & Higher Education
<b>Program Director:</b>	Jim Eison
<b>Other Contact:</b>	
<b>Phone:</b>	813-974-4697
<b>Fax:</b>	813-974-3366
<b>Email:</b>	<a href="mailto:highered@tempest.coedu.usf.edu">highered@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

**Mailing Address:**

University of South Florida  
College of Education  
Adult, Career and Higher Education  
Tampa FL 33620

**Inactive.** Currently, students are not being admitted to this program.

#### PROGRAM INFORMATION

**Program Description**

A program for holders of baccalaureate degrees who wish to teach at the Community College Level. This program does not lead to teacher certification in the State of Florida.

**Accreditation:** Programs in the College of Education are accredited by the Southern Association of Colleges and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

The program faculty will consider each applicant in light of his or her qualifications and likelihood of success, first by reviewing the submitted materials and then through a personal interview (may be by telephone) for candidates who meet all other criteria. Applications are considered on a continuous basis throughout the year. The faculty employ a holistic approach to the admissions consideration, taking into account all of the information and balancing test scores, previous grade point averages, recommendations, professional experiences and successes, etc.

Admission to this program requires the approval of the program faculty and concurrence of the

department in which the student will take graduate courses for his or her teaching discipline.

**Program Admission Requirements**

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent. The program faculty give preference to candidates presenting:

1. A baccalaureate degree from a regionally accredited university (or international equivalent) with a 3.0 GPA on a 4.0 scale for upper division coursework in the Baccalaureate degree (with sufficient undergraduate preparation and performance in coursework taken in one's chosen disciplinary concentration to enable the candidate to successfully complete 18 hours or more of graduate coursework in that concentration;
2. Strong overall GRE scores having no more than one sub-test score below the 33<sup>rd</sup> percentile. If a score in one area is low, the other should be considerably higher. In some instances, GMAT, LSAT or MCAT scores may be substituted for the GRE.
3. Demonstrated commitment to personal and professional growth and development and to the completion of the rigorous

- course and research demands of the program;
4. Excellent academic, analytical and communication skills.
  5. A current professional vita or resume;
  6. A clear and detailed statement of professional and personal goals describing the reasons that earning the degree is important to those goals;
  7. Three letters of recommendation from former professors or supervisors who will attest to the applicant's likelihood of success in the program.

In exceptional cases, students not meeting these criteria may submit additional or alternative documentation of their potential for success in graduate level studies.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See

<http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

## DEGREE PROGRAM REQUIREMENTS

(Program Requirements are applicable to all concentrations in the College Teaching Program)

### Engineering

This program requires 36-39 hours minimum, including an internship. In part, the course sequence to be completed will be designed in consultation with an advisor in the concentration area. This program is based on the assumption that the student has an undergraduate background in a concentration area that is a close equivalent to the concentration being pursued in this degree. Students admitted without such preparation may be required to take additional coursework as prerequisites. A student who is well-prepared in the specialization may be permitted to take fewer courses in the concentration area, substituting approved electives from other fields of study. An internship of 3- 6 hours with full-time supervised teaching for one semester or part-time teaching for two semesters is required. One-half of the internship must be in the community college setting. The setting for the other half is left to the discretion of the student's advisor. The internship follows the completion of professional education coursework. The successful completion of a Comprehensive Examination is also required.

### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria

### OTHER INFORMATION

Please access the program's website via [www.coedu.usf.edu](http://www.coedu.usf.edu) Consult the program coordinator prior to applying.

**COLLEGE TEACHING PROGRAM****Master of Arts (M.A.) Degree in the College Teaching Program  
With a concentration in English****DEGREE INFORMATION****Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36-39
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Inactive

<b>CIP Code:</b>	13.0406
<b>Dept Code:</b>	LEA
<b>Program (Major/College):</b>	JCT EJ
<b>Concentration Code:</b>	JEN

**CONTACT INFORMATION**

<b>College:</b>	Education
<b>Department:</b>	Adult, Career & Higher Education
<b>Program Director:</b>	Jim Eison
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-4697
<b>Fax:</b>	813-974-3366
<b>Email:</b>	<a href="mailto:highered@tempest.coedu.usf.edu">highered@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

**Mailing Address:**  
University of South Florida  
College of Education  
Adult, Career and Higher Education  
Tampa FL 33620

**Inactive.** Currently, students are not being admitted to this program.

**PROGRAM INFORMATION****Program Description**

A program for holders of baccalaureate degrees who wish to teach at the Community College Level. This program does not lead to teacher certification in the State of Florida.

**Accreditation:** Programs in the College of Education are accredited by the Southern Association of Colleges and Schools.

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

The program faculty will consider each applicant in light of his or her qualifications and likelihood of success, first by reviewing the submitted materials and then through a personal interview (may be by telephone) for candidates who meet all other criteria. Applications are considered on a continuous basis throughout the year. The faculty employ a holistic approach to the admissions consideration, taking into account all of the information and balancing test scores, previous grade point averages, recommendations, professional experiences and successes, etc.

Admission to this program requires the approval of the program faculty and concurrence of the department in which the student will take graduate courses for his or her teaching discipline.

**Program Admission Requirements**

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent. The program faculty give preference to candidates presenting:

1. A baccalaureate degree from a regionally accredited university (or international equivalent) with a 3.0 GPA on a 4.0 scale for upper division coursework in the Baccalaureate degree (with sufficient undergraduate preparation and performance in coursework taken in one's chosen disciplinary concentration to enable the candidate to successfully complete 18 hours or more of graduate coursework in that concentration);
2. Strong overall GRE scores having no more than one sub-test score below the 33<sup>rd</sup> percentile. If a score in one area is low, the other should be considerably higher. In some instances, GMAT, LSAT or MCAT scores may be substituted for the GRE.

3. Demonstrated commitment to personal and professional growth and development and to the completion of the rigorous course and research demands of the program;
4. Excellent academic, analytical and communication skills.
5. A current professional vita or resume;
6. A clear and detailed statement of professional and personal goals describing the reasons that earning the degree is important to those goals;
7. Three letters of recommendation from former professors or supervisors who will attest to the applicant's likelihood of success in the program.

In exceptional cases, students not meeting these criteria may submit additional or alternative documentation of their potential for success in graduate level studies.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See

<http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

## DEGREE PROGRAM REQUIREMENTS

(Program Requirements are applicable to all concentrations in the College Teaching Program)

### English

This program requires 36-39 hours minimum, including an internship. In part, the course sequence to be completed will be designed in consultation with an advisor in the concentration area. This program is based on the assumption that the student has an undergraduate background in a concentration area that is a close equivalent to the concentration being pursued in this degree. Students admitted without such preparation may be required to take additional coursework as prerequisites. A student who is well-prepared in the specialization may be permitted to take fewer courses in the concentration area, substituting approved electives from other fields of study. An internship of 3- 6 hours with full-time supervised teaching for one semester or part-time teaching for two semesters is required. One-half of the internship must be in the community college setting. The setting for the other half is left to the discretion of the student's advisor. The internship follows the completion of professional education coursework. The successful completion of a Comprehensive Examination is also required.

### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria

### OTHER INFORMATION

Please access the program's website via [www.coedu.usf.edu](http://www.coedu.usf.edu) Consult the program coordinator prior to applying.



**COLLEGE TEACHING PROGRAM****Master of Arts (M.A.) Degree in the College Teaching Program  
With a concentration in French****DEGREE INFORMATION****Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36-39
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Inactive

<b>CIP Code:</b>	13.0406
<b>Dept Code:</b>	LEA
<b>Program (Major/College):</b>	JCT EJ
<b>Concentration Code:</b>	JFR

**CONTACT INFORMATION**

<b>College:</b>	Education
<b>Department:</b>	Adult, Career & Higher Education
<b>Program Director:</b>	Jim Eison
<b>Other Contact:</b>	
<b>Phone:</b>	813-974-4697
<b>Fax:</b>	813-974-3366
<b>Email:</b>	<a href="mailto:highered@tempest.coedu.usf.edu">highered@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

**Mailing Address:**

University of South Florida  
College of Education  
Adult, Career and Higher Education  
Tampa FL 33620

**Inactive.** Currently, students are not being admitted to this program.

**PROGRAM INFORMATION****Program Description**

A program for holders of baccalaureate degrees who wish to teach at the Community College Level. This program does not lead to teacher certification in the State of Florida.

**Accreditation:** Programs in the College of Education are accredited by the Southern Association of Colleges and Schools.

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

The program faculty will consider each applicant in light of his or her qualifications and likelihood of success, first by reviewing the submitted materials and then through a personal interview (may be by telephone) for candidates who meet all other criteria. Applications are considered on a continuous basis throughout the year. The faculty employ a holistic approach to the admissions consideration, taking into account all of the information and balancing test scores, previous grade point averages, recommendations, professional experiences and successes, etc.

Admission to this program requires the approval of the program faculty and concurrence of the department in which the student will take graduate courses for his or her teaching discipline.

**Program Admission Requirements**

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent. The program faculty give preference to candidates presenting:

1. A baccalaureate degree from a regionally accredited university (or international equivalent) with a 3.0 GPA on a 4.0 scale for upper division coursework in the Baccalaureate degree (with sufficient undergraduate preparation and performance in coursework taken in one's chosen disciplinary concentration to enable the candidate to successfully complete 18 hours or more of graduate coursework in that concentration);
2. Strong overall GRE scores having no more than one sub-test score below the 33<sup>rd</sup> percentile. If a score in one area is low, the other should be considerably higher. In some instances, GMAT, LSAT or MCAT scores may be substituted for the GRE.

3. Demonstrated commitment to personal and professional growth and development and to the completion of the rigorous course and research demands of the program;
4. Excellent academic, analytical and communication skills.
5. A current professional vita or resume;
6. A clear and detailed statement of professional and personal goals describing the reasons that earning the degree is important to those goals;
7. Three letters of recommendation from former professors or supervisors who will attest to the applicant's likelihood of success in the program.

In exceptional cases, students not meeting these criteria may submit additional or alternative documentation of their potential for success in graduate level studies.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See

<http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

## DEGREE PROGRAM REQUIREMENTS

(Program Requirements are applicable to all concentrations in the College Teaching Program)

### French

This program requires 36-39 hours minimum, including an internship. In part, the course sequence to be completed will be designed in consultation with an advisor in the concentration area. This program is based on the assumption that the student has an undergraduate background in a concentration area that is a close equivalent to the concentration being pursued in this degree. Students admitted without such preparation may be required to take additional coursework as prerequisites. A student who is well-prepared in the specialization may be permitted to take fewer courses in the concentration area, substituting approved electives from other fields of study. An internship of 3-6 hours with full-time supervised teaching for one semester or part-time teaching for two semesters is required. One-half of the internship must be in the community college setting. The setting for the other half is left to the discretion of the student's advisor. The internship follows the completion of professional education coursework. The successful completion of a Comprehensive Examination is also required.

### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

### OTHER INFORMATION

Please access the program's website via [www.coedu.usf.edu](http://www.coedu.usf.edu) Consult the program coordinator prior to applying.

## COLLEGE TEACHING PROGRAM

### Master of Arts (M.A.) Degree in the College Teaching Program With a concentration in **Geography**

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

Not accepting applications.

**Minimum Total Hours:** 36-39  
**Program Level:** Masters  
**Program Status:** Inactive

**CIP Code:** 13.0406  
**Dept Code:** LEA  
**Program (Major/College):** JCT EJ  
**Concentration Code:** JGP

**College:** Education  
**Department:** Adult, Career & Higher Education

**Program Coordinator:** Jim Eison  
**Other Contact:** N/A  
**Phone:** 813-974-4697  
**Fax:** 813-974-3366  
**Email:** [highered@tempest.coedu.usf.edu](mailto:highered@tempest.coedu.usf.edu)  
**Web Address:** <http://www.coedu.usf.edu>

**Mailing Address:**  
 University of South Florida  
 College of Education  
 Adult, Career and Higher Education  
 Tampa FL 33620

#### CONTACT INFORMATION

---

**Inactive.** Currently, students are not being admitted to this program.

**COLLEGE TEACHING PROGRAM****Master of Arts (M.A.) Degree in the College Teaching Program  
With a concentration in Geology****DEGREE INFORMATION****Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36-39
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Inactive

<b>CIP Code:</b>	<b>13.0406</b>
<b>Dept Code:</b>	LEA
<b>Program (Major/College):</b>	JCT EJ
<b>Concentration Code:</b>	JGL

**CONTACT INFORMATION**

<b>College:</b>	Education
<b>Department:</b>	Adult, Career & Higher Education
<b>Program Coordinator:</b>	Jim Eison
<b>Other Contact:</b>	
<b>Phone:</b>	813-974-4697
<b>Fax:</b>	813-974-3366
<b>Email:</b>	<a href="mailto:highered@tempest.coedu.usf.edu">highered@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

**Mailing Address:**

University of South Florida  
College of Education  
Adult, Career and Higher Education  
Tampa FL 33620

**Inactive.** Currently, students are not being admitted to this program.

**PROGRAM INFORMATION****Program Description**

A program for holders of baccalaureate degrees who wish to teach at the Community College Level. This program does not lead to teacher certification in the State of Florida.

**Accreditation:** Programs in the College of Education are accredited by the Southern Association of Colleges and Schools.

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

The program faculty will consider each applicant in light of his or her qualifications and likelihood of success, first by reviewing the submitted materials and then through a personal interview (may be by telephone) for candidates who meet all other criteria. Applications are considered on a continuous basis throughout the year. The faculty employ a holistic approach to the admissions consideration, taking into account all of the information and balancing test scores, previous grade point averages, recommendations, professional experiences and successes, etc.

Admission to this program requires the approval of the program faculty and concurrence of the department in which the student will take graduate courses for his or her teaching discipline.

**Program Admission Requirements**

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent. The program faculty give preference to candidates presenting:

1. A baccalaureate degree from a regionally accredited university (or international equivalent) with a 3.0 GPA on a 4.0 scale for upper division coursework in the Baccalaureate degree (with sufficient undergraduate preparation and performance in coursework taken in one's chosen disciplinary concentration to enable the candidate to successfully complete 18 hours or more of graduate coursework in that concentration);
2. Strong overall GRE scores having no more than one sub-test score below the 33<sup>rd</sup> percentile. If a score in one area is low, the other should be considerably higher. In some instances, GMAT, LSAT or MCAT scores may be substituted for the GRE.

3. Demonstrated commitment to personal and professional growth and development and to the completion of the rigorous course and research demands of the program;
4. Excellent academic, analytical and communication skills;
5. A current professional vita or resume;
6. A clear and detailed statement of professional and personal goals describing the reasons that earning the degree is important to those goals;
7. Three letters of recommendation from former professors or supervisors who will attest to the applicant's likelihood of success in the program.

In exceptional cases, students not meeting these criteria may submit additional or alternative documentation of their potential for success in graduate level studies.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See

<http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

## DEGREE PROGRAM REQUIREMENTS

(Program Requirements are applicable to all concentrations in the College Teaching Program)

### Geology

This program requires 36-39 hours minimum, including an internship. In part, the course sequence to be completed will be designed in consultation with an advisor in the concentration area. This program is based on the assumption that the student has an undergraduate background in a concentration area that is a close equivalent to the concentration being pursued in this degree. Students admitted without such preparation may be required to take additional coursework as prerequisites. A student who is well-prepared in the specialization may be permitted to take fewer courses in the concentration area, substituting approved electives from other fields of study. An internship of 3- 6 hours with full-time supervised teaching for one semester or part-time teaching for two semesters is required. One-half of the internship must be in the community college setting. The setting for the other half is left to the discretion of the student's advisor. The internship follows the completion of professional education coursework. The successful completion of a Comprehensive Examination is also required.

### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria

### OTHER INFORMATION

Please access the program's website via [www.coedu.usf.edu](http://www.coedu.usf.edu) Consult the program coordinator prior to applying.

**COLLEGE TEACHING PROGRAM****Master of Arts (M.A.) Degree in the College Teaching Program  
With a concentration in History****DEGREE INFORMATION****Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36-39
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Inactive

<b>CIP Code:</b>	13.0406
<b>Dept Code:</b>	LEA
<b>Program (Major/College):</b>	JCT EJ
<b>Concentration Code:</b>	JHT

**CONTACT INFORMATION**

<b>College:</b>	Education
<b>Department:</b>	Adult, Career & Higher Education
<b>Program Director:</b>	Jim Eison
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-4697
<b>Fax:</b>	813-974-3366
<b>Email:</b>	<a href="mailto:highered@tempest.coedu.usf.edu">highered@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

**Mailing Address:**  
University of South Florida  
College of Education  
Adult, Career and Higher Education  
Tampa FL 33620

**Inactive.** Currently, students are not being admitted to this program.

**PROGRAM INFORMATION****Program Description**

A program for holders of baccalaureate degrees who wish to teach at the Community College Level. This program does not lead to teacher certification in the State of Florida.

**Accreditation:** Programs in the College of Education are accredited by the Southern Association of Colleges and Schools.

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

The program faculty will consider each applicant in light of his or her qualifications and likelihood of success, first by reviewing the submitted materials and then through a personal interview (may be by telephone) for candidates who meet all other criteria. Applications are considered on a continuous basis throughout the year. The faculty employ a holistic approach to the admissions consideration, taking into account all of the information and balancing test scores, previous grade point averages, recommendations, professional experiences and successes, etc.

Admission to this program requires the approval of the program faculty and concurrence of the department in which the student will take graduate courses for his or her teaching discipline.

**Program Admission Requirements**

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent. The program faculty give preference to candidates presenting:

1. A baccalaureate degree from a regionally accredited university (or international equivalent) with a 3.0 GPA on a 4.0 scale for upper division coursework in the Baccalaureate degree (with sufficient undergraduate preparation and performance in coursework taken in one's chosen disciplinary concentration to enable the candidate to successfully complete 18 hours or more of graduate coursework in that concentration);
2. Strong overall GRE scores having no more than one sub-test score below the 33<sup>rd</sup> percentile. If a score in one area is low, the other should be considerably higher. In some instances, GMAT, LSAT or MCAT scores may be substituted for the GRE.

3. Demonstrated commitment to personal and professional growth and development and to the completion of the rigorous course and research demands of the program;
4. Excellent academic, analytical and communication skills;
5. A current professional vita or resume;
6. A clear and detailed statement of professional and personal goals describing the reasons that earning the degree is important to those goals;
7. Three letters of recommendation from former professors or supervisors who will attest to the applicant's likelihood of success in the program.

In exceptional cases, students not meeting these criteria may submit additional or alternative documentation of their potential for success in graduate level studies.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See

<http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

## DEGREE PROGRAM REQUIREMENTS

(Program Requirements are applicable to all concentrations in the College Teaching Program)

### History

This program requires 36-39 hours minimum, including an internship. In part, the course sequence to be completed will be designed in consultation with an advisor in the concentration area. This program is based on the assumption that the student has an undergraduate background in a concentration area that is a close equivalent to the concentration being pursued in this degree. Students admitted without such preparation may be required to take additional coursework as prerequisites. A student who is well-prepared in the specialization may be permitted to take fewer courses in the concentration area, substituting approved electives from other fields of study. An internship of 3- 6 hours with full-time supervised teaching for one semester or part-time teaching for two semesters is required. One-half of the internship must be in the community college setting. The setting for the other half is left to the discretion of the student's advisor. The internship follows the completion of professional education coursework. The successful completion of a Comprehensive Examination is also required.

### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria

### OTHER INFORMATION

Please access the program's website via [www.coedu.usf.edu](http://www.coedu.usf.edu) Consult the program coordinator prior to applying.

## COLLEGE TEACHING PROGRAM

### Master of Arts (M.A.) Degree in the College Teaching Program With a concentration in **Mathematics**

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36-39
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Inactive

<b>CIP Code:</b>	13.0406
<b>Dept Code:</b>	LEA
<b>Program (Major/College):</b>	JCT EJ
<b>Concentration Code:</b>	JMA

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Adult, Career & Higher Education
<b>Program Director:</b>	Jim Eison
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-4697
<b>Fax:</b>	813-974-3366
<b>Email:</b>	<a href="mailto:highered@tempest.coedu.usf.edu">highered@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

**Mailing Address:**

University of South Florida  
College of Education  
Adult, Career and Higher Education  
Tampa FL 33620

**Inactive.** Currently, students are not being admitted to this program.

#### PROGRAM INFORMATION

**Program Description**

A program for holders of baccalaureate degrees who wish to teach at the Community College Level. This program does not lead to teacher certification in the State of Florida.

**Accreditation:** Programs in the College of Education are accredited by the Southern Association of Colleges and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

The program faculty will consider each applicant in light of his or her qualifications and likelihood of success, first by reviewing the submitted materials and then through a personal interview (may be by telephone) for candidates who meet all other criteria. Applications are considered on a continuous basis throughout the year. The faculty employ a holistic approach to the admissions consideration, taking into account all of the information and balancing test scores, previous grade point averages, recommendations, professional experiences and successes, etc.

Admission to this program requires the approval of the program faculty and concurrence of the department in which the student will take graduate courses for his or her teaching discipline.

**Program Admission Requirements**

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent. The program faculty give preference to candidates presenting:

1. A baccalaureate degree from a regionally accredited university (or international equivalent) with a 3.0 GPA on a 4.0 scale for upper division coursework in the Baccalaureate degree (with sufficient undergraduate preparation and performance in coursework taken in one's chosen disciplinary concentration to enable the candidate to successfully complete 18 hours or more of graduate coursework in that concentration);
2. Strong overall GRE scores having no more than one sub-test score below the 33<sup>rd</sup> percentile. If a score in one area is low, the other should be considerably higher. In some instances, GMAT, LSAT or MCAT scores may be substituted for the GRE.



3. Demonstrated commitment to personal and professional growth and development and to the completion of the rigorous course and research demands of the program;
4. Excellent academic, analytical and communication skills;
5. A current professional vita or resume;
6. A clear and detailed statement of professional and personal goals describing the reasons that earning the degree is important to those goals;
7. Three letters of recommendation from former professors or supervisors who will attest to the applicant's likelihood of success in the program.

In exceptional cases, students not meeting these criteria may submit additional or alternative documentation of their potential for success in graduate level studies.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See

<http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

## DEGREE PROGRAM REQUIREMENTS

(Program Requirements are applicable to all concentrations in the College Teaching Program)

### Mathematics

This program requires 36-39 hours minimum, including an internship. In part, the course sequence to be completed will be designed in consultation with an advisor in the concentration area. This program is based on the assumption that the student has an undergraduate background in a concentration area that is a close equivalent to the concentration being pursued in this degree. Students admitted without such preparation may be required to take additional coursework as prerequisites. A student who is well-prepared in the specialization may be permitted to take fewer courses in the concentration area, substituting approved electives from other fields of study. An internship of 3- 6 hours with full-time supervised teaching for one semester or part-time teaching for two semesters is required. One-half of the internship must be in the community college setting. The setting for the other half is left to the discretion of the student's advisor. The internship follows the completion of professional education coursework. The successful completion of a Comprehensive Examination is also required.

### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria

### OTHER INFORMATION

Please access the program's website via [www.coedu.usf.edu](http://www.coedu.usf.edu) Consult the program coordinator prior to applying.

## COLLEGE TEACHING PROGRAM

### Master of Arts (M.A.) Degree in the College Teaching Program With a concentration in **Physics**

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36-39
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Inactive

<b>CIP Code:</b>	13.0406
<b>Dept Code:</b>	LEA
<b>Program (Major/College):</b>	JCT EJ
<b>Concentration Code:</b>	JPH

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Adult, Career & Higher Education
<b>Program Coordinator:</b>	Jim Eison
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-4697
<b>Fax:</b>	813-974-3366
<b>Email:</b>	<a href="mailto:highered@tempest.coedu.usf.edu">highered@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

**Mailing Address:**

University of South Florida  
College of Education  
Adult, Career and Higher Education  
Tampa FL 33620

**Inactive.** Currently, students are not being admitted to this program.

#### PROGRAM INFORMATION

**Program Description**

A program for holders of baccalaureate degrees who wish to teach at the Community College Level. This program does not lead to teacher certification in the State of Florida.

**Accreditation:** Programs in the College of Education are accredited by the Southern Association of Colleges and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

The program faculty will consider each applicant in light of his or her qualifications and likelihood of success, first by reviewing the submitted materials and then through a personal interview (may be by telephone) for candidates who meet all other criteria. Applications are considered on a continuous basis throughout the year. The faculty employ a holistic approach to the admissions consideration, taking into account all of the information and balancing test scores, previous grade point averages, recommendations, professional experiences and successes, etc.

Admission to this program requires the approval of the program faculty and concurrence of the department in which the student will take graduate courses for his or her teaching discipline.

**Program Admission Requirements**

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent. The program faculty give preference to candidates presenting:

1. A baccalaureate degree from a regionally accredited university (or international equivalent) with a 3.0 GPA on a 4.0 scale for upper division coursework in the Baccalaureate degree (with sufficient undergraduate preparation and performance in coursework taken in one's chosen disciplinary concentration to enable the candidate to successfully complete 18 hours or more of graduate coursework in that concentration;
2. Strong overall GRE scores having no more than one sub-test score below the 33<sup>rd</sup> percentile. If a score in one area is low, the other should be considerably higher. In some instances, GMAT, LSAT or MCAT scores may be substituted for the GRE.

3. Demonstrated commitment to personal and professional growth and development and to the completion of the rigorous course and research demands of the program;
4. Excellent academic, analytical and communication skills;
5. A current professional vita or resume;
6. A clear and detailed statement of professional and personal goals describing the reasons that earning the degree is important to those goals;
7. Three letters of recommendation from former professors or supervisors who will attest to the applicant's likelihood of success in the program.

In exceptional cases, students not meeting these criteria may submit additional or alternative documentation of their potential for success in graduate level studies.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See

<http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

## DEGREE PROGRAM REQUIREMENTS

(Program Requirements are applicable to all concentrations in the College Teaching Program)

### Physics

This program requires 36-39 hours minimum, including an internship. In part, the course sequence to be completed will be designed in consultation with an advisor in the concentration area. This program is based on the assumption that the student has an undergraduate background in a concentration area that is a close equivalent to the concentration being pursued in this degree. Students admitted without such preparation may be required to take additional coursework as prerequisites. A student who is well-prepared in the specialization may be permitted to take fewer courses in the concentration area, substituting approved electives from other fields of study. An internship of 3- 6 hours with full-time supervised teaching for one semester or part-time teaching for two semesters is required. One-half of the internship must be in the community college setting. The setting for the other half is left to the discretion of the student's advisor. The internship follows the completion of professional education coursework. The successful completion of a Comprehensive Examination is also required.

### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria

### OTHER INFORMATION

Please access the program's website via [www.coedu.usf.edu](http://www.coedu.usf.edu) Consult the program coordinator prior to applying.

**COLLEGE TEACHING PROGRAM****Master of Arts (M.A.) Degree in the College Teaching Program  
With a concentration in Political Science****DEGREE INFORMATION**

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours:</b>	36-39
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Inactive
<b>CIP Code:</b>	13.0406
<b>Dept Code:</b>	LEA
<b>Program (Major/College):</b>	JCT EJ
<b>Concentration Code:</b>	JPO

**CONTACT INFORMATION**

<b>College:</b>	Education
<b>Department:</b>	Adult, Career & Higher Education
<b>Program Director:</b>	Jim Eison
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-4697
<b>Fax:</b>	813-974-3366
<b>Email:</b>	<a href="mailto:highered@tempest.coedu.usf.edu">highered@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>
<b>Mailing Address:</b>	University of South Florida College of Education Adult, Career and Higher Education Tampa FL 33620

**Inactive.** Currently, students are not being admitted to this program.

**PROGRAM INFORMATION****Program Description**

A program for holders of baccalaureate degrees who wish to teach at the Community College Level. This program does not lead to teacher certification in the State of Florida.

**Accreditation:** Programs in the College of Education are accredited by the Southern Association of Colleges and Schools.

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

The program faculty will consider each applicant in light of his or her qualifications and likelihood of success, first by reviewing the submitted materials and then through a personal interview (may be by telephone) for candidates who meet all other criteria. Applications are considered on a continuous basis throughout the year. The faculty employ a holistic approach to the admissions consideration, taking into account all of the information and balancing test scores, previous grade point averages, recommendations, professional experiences and successes, etc.

Admission to this program requires the approval of the program faculty and concurrence of the

department in which the student will take graduate courses for his or her teaching discipline.

**Program Admission Requirements**

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent. The program faculty give preference to candidates presenting:

1. A baccalaureate degree from a regionally accredited university (or international equivalent) with a 3.0 GPA on a 4.0 scale for upper division coursework in the Baccalaureate degree (with sufficient undergraduate preparation and performance in coursework taken in one's chosen disciplinary concentration to enable the candidate to successfully complete 18 hours or more of graduate coursework in that concentration);
2. Strong overall GRE scores having no more than one sub-test score below the 33<sup>rd</sup> percentile. If a score in one area is low, the other should be considerably higher. In some instances, GMAT, LSAT or MCAT scores may be substituted for the GRE.
3. Demonstrated commitment to personal and professional growth and development and to the completion of the rigorous

course and research demands of the program;

4. Excellent academic, analytical and communication skills;
5. A current professional vita or resume;
6. A clear and detailed statement of professional and personal goals describing the reasons that earning the degree is important to those goals;
7. Three letters of recommendation from former professors or supervisors who will attest to the applicant's likelihood of success in the program.

In exceptional cases, students not meeting these criteria may submit additional or alternative documentation of their potential for success in graduate level studies.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See

<http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

## DEGREE PROGRAM REQUIREMENTS

(Program Requirements are applicable to all concentrations in the College Teaching Program)

### Political Sciences

This program requires 36-39 hours minimum, including an internship. In part, the course sequence to be completed will be designed in consultation with an advisor in the concentration area. This program is based on the assumption that the student has an undergraduate background in a concentration area that is a close equivalent to the concentration being pursued in this degree. Students admitted without such preparation may be required to take additional coursework as prerequisites. A student who is well-prepared in the specialization may be permitted to take fewer courses in the concentration area, substituting approved electives from other fields of study. An internship of 3- 6 hours with full-time supervised teaching for one semester or part-time teaching for two semesters is required. One-half of the internship must be in the community college setting. The setting for the other half is left to the discretion of the student's advisor. The internship follows the completion of professional education coursework. The successful completion of a Comprehensive Examination is also required.

### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria

### OTHER INFORMATION

Please access the program's website via [www.coedu.usf.edu](http://www.coedu.usf.edu) Consult the program coordinator prior to applying.

## COLLEGE TEACHING PROGRAM

### Master of Arts (M.A.) Degree in the College Teaching Program With a concentration in **Sociology**

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36-39
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Inactive

<b>CIP Code:</b>	13.0406
<b>Dept Code:</b>	LEA
<b>Program (Major/College):</b>	JCT EJ
<b>Concentration Code:</b>	JSO

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Adult, Career & Higher Education
<b>Program Director:</b>	Jim Eison
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-4697
<b>Fax:</b>	813-974-3366
<b>Email:</b>	<a href="mailto:highered@tempest.coedu.usf.edu">highered@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

**Mailing Address:**

University of South Florida  
College of Education  
Adult, Career and Higher Education  
Tampa FL 33620

**Inactive.** Currently, students are not being admitted to this program.

#### PROGRAM INFORMATION

**Program Description**

A program for holders of baccalaureate degrees who wish to teach at the Community College Level. This program does not lead to teacher certification in the State of Florida.

**Accreditation:** Programs in the College of Education are accredited by the Southern Association of Colleges and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

The program faculty will consider each applicant in light of his or her qualifications and likelihood of success, first by reviewing the submitted materials and then through a personal interview (may be by telephone) for candidates who meet all other criteria. Applications are considered on a continuous basis throughout the year. The faculty employ a holistic approach to the admissions consideration, taking into account all of the information and balancing test scores, previous

grade point averages, recommendations, professional experiences and successes, etc.

Admission to this program requires the approval of the program faculty and concurrence of the department in which the student will take graduate courses for his or her teaching discipline.

**Program Admission Requirements**

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent. The program faculty give preference to candidates presenting:

1. A baccalaureate degree from a regionally accredited university (or international equivalent) with a 3.0 GPA on a 4.0 scale for upper division coursework in the Baccalaureate degree (with sufficient undergraduate preparation and performance in coursework taken in one's chosen disciplinary concentration to enable the candidate to successfully complete 18 hours or more of graduate coursework in that concentration);
2. Strong overall GRE scores having no more than one sub-test score below the 33<sup>rd</sup> percentile. If a score in one area is low, the other should be considerably higher. In some instances, GMAT, LSAT

or MCAT scores may be substituted for the GRE.

3. Demonstrated commitment to personal and professional growth and development and to the completion of the rigorous course and research demands of the program;
4. Excellent academic, analytical and communication skills;
5. A current professional vita or resume;
6. A clear and detailed statement of professional and personal goals describing the reasons that earning the degree is important to those goals;
7. Three letters of recommendation from former professors or supervisors who will attest to the applicant's likelihood of success in the program.

In exceptional cases, students not meeting these criteria may submit additional or alternative documentation of their potential for success in graduate level studies.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

## DEGREE PROGRAM REQUIREMENTS

(Program Requirements are applicable to all concentrations in the College Teaching Program)

### Sociology

This program requires 36-39 hours minimum, including an internship. In part, the course sequence to be completed will be designed in consultation with an advisor in the concentration area. This program is based on the assumption that the student has an undergraduate background in a concentration area that is a close equivalent to the concentration being pursued in this degree. Students admitted without such preparation may be required to take additional coursework as prerequisites. A student who is well-prepared in the specialization may be permitted to take fewer courses in the concentration area, substituting approved electives from other fields of study. An internship of 3-6 hours with full-time supervised teaching for one semester or part-time teaching for two semesters is required. One-half of the internship must be in the community college setting. The setting for the other half is left to the discretion of the student's advisor. The internship follows the completion of professional education coursework. The successful completion of a Comprehensive Examination is also required.

### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria

### OTHER INFORMATION

Please access the program's website via [www.coedu.usf.edu](http://www.coedu.usf.edu) Consult the program coordinator prior to applying.

## COLLEGE TEACHING PROGRAM

### Master of Arts (M.A.) Degree in the College Teaching Program With a concentration in **Spanish**

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36-39
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Inactive

<b>CIP Code:</b>	13.0406
<b>Dept Code:</b>	LEA
<b>Program (Major/College):</b>	JCT EJ
<b>Concentration Code:</b>	JSP

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Adult, Career & Higher Education
<b>Program Director:</b>	Jim Eison
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-4697
<b>Fax:</b>	813-974-3366
<b>Email:</b>	<a href="mailto:highered@tempest.coedu.usf.edu">highered@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

**Mailing Address:**  
University of South Florida  
College of Education  
Adult, Career and Higher Education  
Tampa FL 33620

**Inactive.** Currently, students are not being admitted to this program.

#### PROGRAM INFORMATION

**Program Description**

A program for holders of baccalaureate degrees who wish to teach at the Community College Level. This program does not lead to teacher certification in the State of Florida.

**Accreditation:** Programs in the College of Education are accredited by the Southern Association of Colleges and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

The program faculty will consider each applicant in light of his or her qualifications and likelihood of success, first by reviewing the submitted materials and then through a personal interview (may be by telephone) for candidates who meet all other criteria. Applications are considered on a continuous basis throughout the year. The faculty employ a holistic approach to the admissions consideration, taking into account all of the information and balancing test scores, previous

grade point averages, recommendations, professional experiences and successes, etc.

Admission to this program requires the approval of the program faculty and concurrence of the department in which the student will take graduate courses for his or her teaching discipline.

**Program Admission Requirements**

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent. The program faculty give preference to candidates presenting:

1. A baccalaureate degree from a regionally accredited university (or international equivalent) with a 3.0 GPA on a 4.0 scale for upper division coursework in the Baccalaureate degree (with sufficient undergraduate preparation and performance in coursework taken in one's chosen disciplinary concentration to enable the candidate to successfully complete 18 hours or more of graduate coursework in that concentration);
2. Strong overall GRE scores having no more than one sub-test score below the 33<sup>rd</sup> percentile. If a score in one area is low, the other should be considerably higher. In some instances, GMAT, LSAT



or MCAT scores may be substituted for the GRE.

3. Demonstrated commitment to personal and professional growth and development and to the completion of the rigorous course and research demands of the program;
4. Excellent academic, analytical and communication skills.
5. A current professional vita or resume;
6. A clear and detailed statement of professional and personal goals describing the reasons that earning the degree is important to those goals;
7. Three letters of recommendation from former professors or supervisors who will attest to the applicant's likelihood of success in the program.

In exceptional cases, students not meeting these criteria may submit additional or alternative documentation of their potential for success in graduate level studies.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

## DEGREE PROGRAM REQUIREMENTS

(Program Requirements are applicable to all concentrations in the College Teaching Program)

### Spanish

This program requires 36-39 hours minimum, including an internship. In part, the course sequence to be completed will be designed in consultation with an advisor in the concentration area. This program is based on the assumption that the student has an undergraduate background in a concentration area that is a close equivalent to the concentration being pursued in this degree. Students admitted without such preparation may be required to take additional coursework as prerequisites. A student who is well-prepared in the specialization may be permitted to take fewer courses in the concentration area, substituting approved electives from other fields of study. An internship of 3- 6 hours with full-time supervised teaching for one semester or part-time teaching for two semesters is required. One-half of the internship must be in the community college setting. The setting for the other half is left to the discretion of the student's advisor. The internship follows the completion of professional education coursework. The successful completion of a Comprehensive Examination is also required.

### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria

### OTHER INFORMATION

Please access the program's website via [www.coedu.usf.edu](http://www.coedu.usf.edu) Consult the program coordinator prior to applying.

## COLLEGE TEACHING PROGRAM

### Master of Arts (M.A.) Degree in the College Teaching Program With a concentration in **Speech Communication**

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36-39
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Inactive

<b>CIP Code:</b>	13.0406
<b>Dept Code:</b>	LEA
<b>Program (Major/College):</b>	JCT EJ
<b>Concentration Code:</b>	JSC

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Adult, Career & Higher Education
<b>Program Director:</b>	Jim Eison
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-4697
<b>Fax:</b>	813-974-3366
<b>Email:</b>	<a href="mailto:highered@tempest.coedu.usf.edu">highered@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

**Mailing Address:**

University of South Florida  
College of Education  
Adult, Career and Higher Education  
Tampa FL 33620

**Inactive.** Currently, students are not being admitted to this program.

#### PROGRAM INFORMATION

**Program Description**

A program for holders of baccalaureate degrees who wish to teach at the Community College Level. This program does not lead to teacher certification in the State of Florida.

**Accreditation:** Programs in the College of Education are accredited by the Southern Association of Colleges and Schools .

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

The program faculty will consider each applicant in light of his or her qualifications and likelihood of success, first by reviewing the submitted materials and then through a personal interview (may be by telephone) for candidates who meet all other criteria. Applications are considered on a continuous basis throughout the year. The faculty employ a holistic approach to the admissions consideration, taking into account all of the information and balancing test scores, previous

grade point averages, recommendations, professional experiences and successes, etc.

Admission to this program requires the approval of the program faculty and concurrence of the department in which the student will take graduate courses for his or her teaching discipline.

**Program Admission Requirements**

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent. The program faculty give preference to candidates presenting:

1. A baccalaureate degree from a regionally accredited university (or international equivalent) with a 3.0 GPA on a 4.0 scale for upper division coursework in the Baccalaureate degree (with sufficient undergraduate preparation and performance in coursework taken in one's chosen disciplinary concentration to enable the candidate to successfully complete 18 hours or more of graduate coursework in that concentration;
2. Strong overall GRE scores having no more than one sub-test score below the 33<sup>rd</sup> percentile. If a score in one area is low, the other should be considerably higher. In some instances, GMAT, LSAT

or MCAT scores may be substituted for the GRE.

3. Demonstrated commitment to personal and professional growth and development and to the completion of the rigorous course and research demands of the program;
4. Excellent academic, analytical and communication skills;
5. A current professional vita or resume;
6. A clear and detailed statement of professional and personal goals describing the reasons that earning the degree is important to those goals;
7. Three letters of recommendation from former professors or supervisors who will attest to the applicant's likelihood of success in the program.

In exceptional cases, students not meeting these criteria may submit additional or alternative documentation of their potential for success in graduate level studies.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

## DEGREE PROGRAM REQUIREMENTS

(Program Requirements are applicable to all concentrations in the College Teaching Program)

### Speech Communication

This program requires 36-39 hours minimum, including an internship. In part, the course sequence to be completed will be designed in consultation with an advisor in the concentration area. This program is based on the assumption that the student has an undergraduate background in a concentration area that is a close equivalent to the concentration being pursued in this degree. Students admitted without such preparation may be required to take additional coursework as prerequisites. A student who is well-prepared in the specialization may be permitted to take fewer courses in the concentration area, substituting approved electives from other fields of study. An internship of 3- 6 hours with full-time supervised teaching for one semester or part-time teaching for two semesters is required. One-half of the internship must be in the community college setting. The setting for the other half is left to the discretion of the student's advisor. The internship follows the completion of professional education coursework. The successful completion of a Comprehensive Examination is also required.

### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria

### OTHER INFORMATION

Please access the program's website via [www.coedu.usf.edu](http://www.coedu.usf.edu) Consult the program coordinator prior to applying.

**(GUIDANCE &) COUNSELOR EDUCATION PROGRAM****Master of Arts (M.A.) Degree****DEGREE INFORMATION****Program Admission Deadlines:**

**Fall:** March 1  
Fall admission only.

**Minimum Total Hours:** 60-63  
**Program Level:** Masters  
**Program Status:** Active

**CIP Code:** 13.1101  
**Dept Code:** EDF  
**Program (Major/College):** AGC ED

**CONTACT INFORMATION**

**College:** Education  
**Department:** Psychological and Social Foundations  
**Program Coordinator:** Herbert A. Exum  
**Other Contact:** Sandy Turner, Prog. Asst.  
**Phone:** 813-974-3515  
**Fax:** 813-974-5814  
**Email:** [counseled@coedu.usf.edu](mailto:counseled@coedu.usf.edu)  
**Web Address:**  
<http://www.coedu.usf.edu/deptpsysoc/ce/ce.htm>

**Mailing Address:**

University of South Florida  
College of Education  
Social and Psychological Foundations  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

**PROGRAM INFORMATION****Program Description**

This is a limited access program with internal deadlines. Please check with the program prior to applying. The Counselor Education program provides students with the general counseling skills needed to become professional counselors. Graduates are trained to assess problems, counsel clients, select appropriate intervention strategies and consult with other professionals and administrators. All students complete a common core of courses plus additional courses appropriate to their chosen program. Included are courses in communication skills, counseling theory, research, practicum, and internship. In addition to the Master's degree, the Educational Specialist degree, and the Doctoral degree, the program offers Graduate Certificates in Play Therapy, Mental Health Counseling, and Career Counseling. The program offers three plans for a Master of Arts degree.

**School Counseling (Plan II):** Prepares counselors to work in school grades K through 12. The School Counseling Program prepares counselors for employment in elementary, middle and/or high schools. The program is designed to produce educationally oriented counselors with broadly based, multidisciplinary backgrounds. Graduates are trained to counsel students to consult with parents, teachers, and other school personnel, to coordinate the resources of the family, school, and the community to meet the developmental needs of students. Upon completion of this program, students are eligible to be certified by the Florida Department of Education as a School Counselor.

**Plan III--Community Counseling**

Plan III programs are for students who prefer to work in community based counseling positions rather than in elementary or secondary schools. There are two Plan III program options: (a) Mental Health Counseling and (b) Career Counseling.

**The Community/Mental Health Counseling**

concentration prepares students to work in a variety of community settings. This program is relatively broad in scope and focuses on the development of general counseling skills that can be applied to a wide range of clients in diverse settings. The program is designed to meet the curriculum requirements for licensure as a Mental Health Counselor in Florida. Graduates of this plan are eligible to take the state examination and to complete a post-master's track supervised internship (a post-master's degree requirement).

**The Community/Career Counseling**

concentration focuses on the life-career development needs of individuals and groups. Individuals with this specialization typically find employment opportunities in career centers of community colleges and universities, as well as businesses and in individual practice. This specialization provides the curriculum for students to become Nationally Certified Counselors which can be acquired by passing the National Counselor Examination and completion of two years of post-masters supervised counseling experience. The plan is designed to prepare effective career counselors; it does not lead to school counseling certification nor community/mental health licensure (additional course work would be required).

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools, and Council for the Accreditation of Counseling and Other Educational Related Programs (CACREP).

**Major Research Areas:**

Multicultural counseling and development, Career development, Play Therapy, Cognitive-behavioral interventions, Community mental health, and Counselor Education and supervision

**ADMISSIONS INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Requirements also include:

1. A Graduate Record Examination (GRE) Score of at least the 50<sup>th</sup> percentile Verbal and the 50<sup>th</sup> percentile Quantitative (writing not required).

**Or**

A Miller’s Analogy Test (MAT) score of at least 50

2. GPA of at least 3.0 on a 4.0 scale for work done while an upper division student in a Baccalaureate degree. Students who have GRE subtest scores of less than the 50<sup>th</sup> percentile or MAT scores of less than 50 must have GPAs above 3.2 in order to be considered for admission.
3. CLAST/GKT Required
4. Proof of educational or professional experience
5. Proof of initial certification
6. Letters of recommendation

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international> .html.

**DEGREE PROGRAM REQUIREMENTS**

Contact the program assistant for detailed information prior to applying.

**School Counseling (Plan II) Track**

**Program of Study 63 hours minimum**

Process Core - 8 hours-	EDF 6354 (4)	EDF 6217 (4)
MHS 6006	Current Trends in Counseling	4
EDF 6481	Research	3

MHS 6450	Substance Abuse	4
MHS 6420	Multicultural Issues	3
MHC 6480	Human Sexuality	4

Counseling Core - 25 hours

MHS 6200	MHS 6340	MHS 6400	MHS 6311
MHS 6509	MHS 6700	MHS 6800	or SDS 6801

School Counseling Concentration - 9 hours

MHS 6601	SDS 6820	MHS 6930
----------	----------	----------

Comprehensive Examination

Refer to [www.coedu.usf.edu/sas](http://www.coedu.usf.edu/sas) for internship and State of Florida testing requirements.

**A. Community/Mental Health Counseling Track**

**Program of Study 62 hours minimum**

Process Core	EDF 6354	4
Current Trends in Counseling	MHS 6006	4
Research	EDF 6481	3
Multicultural Issues	MHS 6420	3

Counseling Core - 25 hours

MHS 6200	MHS 6340	MHS 6400	MHS 6311
MHS 6509	MHS 6700	MHS 6800	

Mental Health Specialization - 23 hours

MHS 6620	MHS 6070	MHS 6450
MHS 6480	MHS 6885	

Comprehensive Examination

**B. Career Counseling Track**

**Program of Study 60 hours minimum**

Process Core	EDF 6354 (4)	SDS 6520	SDS 6042	SDS 6624
MHS 6006	Current Trends in Counseling	4		
EDF 6481	Research	3		
MHS 6420	Multicultural Issues	3		

Counseling Core 25 hours

MHS 6200	MHS 6340	MHS 6400	MHS 6311
MHS 6509	MHS 6700	MHS 6800	

Career Counseling Specialization - 12 hours

MHS 6601	MHS 6341	MHS 6887
----------	----------	----------

Elective (Options include the following) - 3 hours

INP 6056	INP 6935	RCS 6300
EVT 6264	EVT 6769	SDS 6042

Comprehensive Examination

**COURSES** - See <http://www.ugs.usf.edu/sab/sabs.cfm>

**OTHER INFORMATION**

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida Department of Education program approval standards, and accreditation criteria. Graduate Certificates are also available in several areas. More information on the certificate programs can be obtained from the Graduate Certificate website:

<http://www.outreach.usf.edu/gradcerts/certinfo.asp?certname=GE>

## COUNSELOR EDUCATION CONCENTRATION

### Education Specialist (Ed.S.) Degree in the Curriculum and Instruction Program With a concentration in Counselor Education

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	February 1 Fall admission only
<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Specialist
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	SGC

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Psychological and Social Foundations
<b>Program Coordinator:</b>	Herbert A. Exum
<b>Other Contact:</b>	Sandy Turner, Prog. Asst.
<b>Phone:</b>	813-974-3515
<b>Fax:</b>	813-974-5814
<b>Email:</b>	<a href="mailto:counseled@coedu.usf.edu">counseled@coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>
<b>Mailing Address:</b>	University of South Florida College of Education Psychological and Social Foundations 4202 E. Fowler Avenue EDU162 Tampa FL 33620

#### PROGRAM INFORMATION

##### Program Description

The Ed.S. Degree in Curriculum and Instruction with concentration in Guidance and Counseling is designed to provide professional counselors with an opportunity to develop competencies in areas of special needs and interests. Consequently, each student's program is individually planned in consultation with a faculty advisor.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent. All candidates for admission must have a 48-semester hour master's degree in counseling or a closely related field from a regionally accredited institution or its international equivalent. The master's degree must have included a 600 hour internship and coursework in theories of counseling, principles of counseling, group counseling, career development, multicultural counseling, and practicum in counseling.

Requirements for all applicants include:

1. A Graduate Record Examination (GRE) score above the 65<sup>th</sup> percentile Verbal and above the 55<sup>th</sup> percentile Quantitative (writing not required). Official scores should be in a sealed envelope provided by Educational Testing Service or recorded on an official transcript. **OR** A Miller

Analogy Test (MAT) score of at least 50. Students who have graduate GPAs of 3.80 or more may have the GRE/MAT requirement waived.

2. A graduate GPA of at least 3.75 on a four-point scale.
3. Vita or resume
4. Proof of educational or professional experience
5. Letters of recommendation
6. Interview
7. Personal statement describing the applicant's professional goals and reasons for applying to the program are required.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

#### DEGREE PROGRAM REQUIREMENTS

**Program of Study** **36 hours**  
This degree is flexible in coursework and must be planned with a faculty advisor. Contact the Program for information.

**COURSES** - See <http://www.ugs.usf.edu/sab/sabs.cfm>

#### OTHER INFORMATION

This is a limited access program with internal deadlines. Please check with program prior to applying.

## COUNSELOR EDUCATION CONCENTRATION

### Doctor of Philosophy (Ph.D.) Degree in the Curriculum and Instruction Program With a concentration in Counselor Education

---

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	February 1 Fall admission only
<b>Minimum Total Hours:</b>	75-81
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	DGC

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Psychological and Social Foundations
<b>Program Coordinator:</b>	Herbert A. Exum
<b>Other Contact:</b>	Sandy Turner, Prog. Asst.
<b>Phone:</b>	813-974-3515
<b>Fax:</b>	813-974-5814
<b>Email:</b>	<a href="mailto:counseled@coedu.usf.edu">counseled@coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>
<b>Mailing Address:</b>	University of South Florida College of Education Psychological and Social Foundations 4202 E. Fowler Avenue EDU162 Tampa FL 33620

---

#### PROGRAM INFORMATION

##### Program Description

The Ph.D. Degree in Curriculum and Instruction with Concentration in Guidance and Counseling is a research and theory intensive experience designed to provide a balance of intellectual and experiential learning resulting in professional educators who have multiple competencies as researchers, theorists, and problem-solvers in human growth and development. The doctoral program emphasizes research and theory as opposed to clinical skill development and is designed primarily for students who wish to pursue careers in academic institutions.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**Major Research Areas:** Career development, clinical supervision, mental health counseling, multicultural counseling, and play therapy.

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

All candidates for admission must have a 48-semester hour master's degree in counseling or a closely related field from a regionally accredited institution or its international equivalent. The master's degree must have included a 600 hour internship and coursework in theories of counseling, principles of counseling, group counseling, career development, multicultural counseling, and practicum in counseling.

Requirements for all applicants include:

1. A Graduate Record Examination (GRE) score above the 65<sup>th</sup> percentile Verbal and above the 55<sup>th</sup> percentile Quantitative (writing not required). Official scores should be in a sealed envelope provided by Educational Testing Service or recorded on an official transcript.
- Or**
- A Miller Analogy Test (MAT) score of at least 50.

Students who have graduate GPAs of 3.80 or more may have the GRE/MAT requirement waived.

2. A graduate GPA of at least 3.75 on a four-point scale.
3. Vita or resume
4. Proof of educational or professional experience. A 48-semester hour Master's degree in counseling or a closely related specialty and at least three (3) years of post-master's professional work experience is required
5. Three (3) letters of recommendation
6. Personal interviews for all candidates except in situations that would require extensive travel.
7. Personal statement describing the applicant's

professional goals and reasons for applying to the program

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

## DEGREE PROGRAM REQUIREMENTS

<b>Program of Study:</b>	<b>75 hours minimum</b>
Research Core:	28 hours
Theory:	15 hours
Clinical Core:	12-16 hours
Professional Practice:	6 hours
Cognate:	9-12 hours

Additional hours to be determined by faculty advisor.

**COURSES** - See <http://www.ugs.usf.edu/sab/sabs.cfm>

## OTHER INFORMATION

This is a limited access program that has internal deadlines. Please check with program prior to applying.



## CURRICULUM AND INSTRUCTION PROGRAM

### Master of Education (M.Ed.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

Refer to individual concentration areas for information on deadlines

<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED

#### CONTACT INFORMATION

**College:** Education

**Web Address:** <http://www.coedu.usf.edu>

**Mailing Address:**

University of South Florida  
College of Education  
(Here list the name of your concentration area.)  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

---

#### PROGRAM INFORMATION

The Curriculum and Instruction degree is only offered in conjunction with a concentration area. Please see the area of concentration (listed alphabetically in the catalog) to determine whether or not the Curriculum and Instruction degree is available in your area of interest.

**Program Description**

This degree is designed for the professional educator who wishes to pursue advanced study. The primary objective is to prepare instructional leaders through courses in curriculum, methods, supervision, learning principles, human interaction, and areas of specialization. The foundation areas (professional studies) receive greater emphasis in the M.Ed. programs than the M.A. programs. Coursework in the concentration may include courses in colleges other than the College of Education. The Curriculum and Instruction program is offered with concentration areas. General program requirements are listed below. For specific specialization requirements, contact the appropriate department.

**Accreditation:** Programs in the College are accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below. Refer to each area of concentration for program admission requirements or contact the program for assistance.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of

transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>.

#### DEGREE PROGRAM REQUIREMENTS

College of Education Program Requirements for the Master of Education degree (M.Ed.)

The M.Ed. degree in Curriculum and Instruction normally requires a minimum of 33 semester hours with 60 percent or more of the courses at the 6000 level. Courses at the 7000 level are advanced graduate level courses and thus are not approved to be part of the master's degree program.

Program of Study Degree Requirements (usual minimums)  
Process Core - 12 hours minimum  
EDF 6432 EDF 6481 EDF 6211 or EDF 6215 or equivalent  
EDF 6517 or EDF 6544 or EDF 6606 or equivalent

Curriculum and Instruction (EDG 6627) - 3 hours minimum; a prerequisite may be required at the undergraduate level

Content Concentration/Specialization - 18 hours minimum  
Comprehensive Examination

Individual areas of specialization may have variations in requirements. For information contact the department/program offering the concentration.

**COURSES:** See <http://www.ugs.usf.edu/sab/sabs.cfm>

## CURRICULUM AND INSTRUCTION PROGRAM

### Education Specialist (Ed.S.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

Refer to individual concentration areas for information on deadlines

<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Specialist
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED

#### CONTACT INFORMATION

**College:**                      **Education**

**Web Address:**            <http://www.coedu.usf.edu>

**Mailing Address:**

University of South Florida  
College of Education  
(Here list the name of your concentration area.)  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

---

#### PROGRAM INFORMATION

The Curriculum and Instruction degree is only offered in conjunction with a concentration area. Please see the area of concentration (listed alphabetically in the catalog) to determine whether or not the Curriculum and Instruction degree is available in your area of interest.

**Program Description**

The Ed.S. degree consists of a minimum of 36 hours beyond the master's degree and is flexible in its requirements. The degree is designed to provide professional educators with an opportunity to develop competencies in areas of special needs and interests. Consequently, the degree program has few required courses, and each student's program is individually planned in consultation with a faculty program committee. Courses at the 5000 level are inappropriate; and a minimum of 15 hours should be taken at the 7000 level.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below. Refer to each area of concentration for program admission requirements or contact the program for assistance.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of

transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>.

#### DEGREE PROGRAM REQUIREMENTS (minimums)

Specialization (Concentration) Coursework - 27 hours minimum

Thesis/Project - 9 hours minimum

Comprehensive Exam (Oral and/or written)

Oral defense of the thesis/project

**Thesis/Project** - The student is required to plan and successfully complete an individual thesis or project. The purpose is to provide an opportunity for the student to apply knowledge gained in the program to the resolution of significant needs arising from professional practice. A minimum of nine (9) semester hours of thesis enrollment is required in the Ed.S. degree program. Students are required to enroll for a minimum of 2 semester hours in the 6971 thesis course each semester while working on the Ed.S. project and for 2 semester hours in the semester in which the student plans to graduate. Students who have not completed the project after enrolling in the required 9 hours must continue to enroll in a minimum of two (2) credit hours of 6971 Thesis each semester, including the semester in which the project is submitted to the College Associate Dean for Academic Affairs or the Graduate School (School Psychology students). Students must have an oral defense of the project/thesis with their project/thesis supervisory committee. Individual areas of specialization may have additional requirements. For information contact the department/program offering the concentration.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## CURRICULUM AND INSTRUCTION PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

#### DEGREE INFORMATION

**Program Admission Deadlines:**

Refer to individual concentration areas for information on deadlines

<b>Minimum Total Hours:</b>	75-81
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED

#### CONTACT INFORMATION

**College:** Education

**Web Address:** <http://www.coedu.usf.edu>

**Mailing Address:**

University of South Florida  
College of Education  
(Here list the name of your concentration area.)  
4202 E. Fowler Avenue EDU162  
Tampa, FL 33620

#### PROGRAM INFORMATION

The Curriculum and Instruction degree is only offered in conjunction with a concentration area. Please see the area of concentration (listed alphabetically in the catalog) to determine whether or not the Curriculum and Instruction degree is available in your area of interest.

**Program Description**

Refer to individual areas of concentration for information.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**Major Research Areas:** Information available by accessing the concentration areas, listed alphabetically in the catalog.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below. Refer to each area of concentration for program admission requirements or contact the program for assistance.

#### PROGRAM DEGREE REQUIREMENTS

**General Program Requirements for the C&I degree, (minimum requirements):**

Program of Study –	75-81 hours minimum
Concentration -	18 hours minimum
Curriculum and Instruction -	3 hours
Cognate Area -	12 hours minimum
Statistics/Measurement/Research Design -	11- 16 hours
Psychological and Social Foundations -	7-8 hours

Dissertation - 24 hours

**Dissertation-** Beginning with the semester immediately following admission to candidacy, the student must be enrolled for a minimum of 12 dissertation credit hours in each 12-month period for the first two years after being admitted to candidacy. Students may complete the 12 hours in either two or three semesters but must be enrolled for dissertation hours in the Fall and Spring semesters of each year during the two year (24-month) period. Students may elect not to register for dissertation hours during the summer semester if in this two-year period they are not using university facilities or other USF resources, including faculty and staff time. If such resources are being used, then enrollment in a minimum of two dissertation hours during the Summer semester is required. If the dissertation is not completed by the time the 24 hours of dissertation credit have been accrued, students must enroll continuously, including Summer semester, for a minimum of two dissertation hours per semester until graduation. (This includes the semester during which the dissertation is defended and the semester in which final submission of the dissertation is made to the Graduate School).

Exceptions to the continuous enrollment policy may be approved if the major professor writes a letter of petition to the Associate Dean for Academic Affairs, indicating specifically the nature and duration of the exception and the justification. Unless an exception has been approved, failure to enroll as specified may result in dismissal of the student from the program. To be readmitted, the student must secure permission from the major professor and write a letter of petition, co-signed by the major professor, to the Associate Dean for Academic Affairs, outlining in detail a timeline for completing the dissertation. The Associate Dean for Academic Affairs will approve or deny the petition. This process will be independent of, and will not replace, any procedures required by the University or the Graduate School.

**Residency-** Students must enroll for at least nine hours in each of two semesters in a 12-month period. The Ph.D. program requires that during the residency period, students may be employed no more than half-time. Individual programs may have additional residency requirements.

**Doctoral Qualifying Examination** - Students must demonstrate satisfactory performance on the Doctoral Qualifying Examination before admission to candidacy. (See current College of Education Graduate Handbook, [www.coedu.usf.edu](http://www.coedu.usf.edu), click on information; also consult Faculty Program contact).

Individual areas of concentration may have variations in the requirements. For information contact the department/program offering the specialization of interest.

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

## **COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## DISTRIBUTIVE AND MARKETING EDUCATION PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
Not accepting applications

**Minimum Total Hours:** 33  
**Program Level:** Masters  
**Program Status:** Inactive

**CIP Code:** 13.1303  
**Dept Code:** LEA  
**Program (Major/College):** ADE ED

#### CONTACT INFORMATION

**College:** Education  
**Department:**  
**Program Coordinator:** Janet Scaglione  
**Other Contact:**  
**Phone:** 813-974-3455  
**Fax:**  
**Email:** [scaglione@coedu.usf.edu](mailto:scaglione@coedu.usf.edu)  
**Web Address:** <http://www.coedu.usf.edu>

**Mailing Address:**  
University of South Florida  
College of Education  
Adult, Career and Higher Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

---

**Inactive.** Currently, students are not being admitted to this program.

## DISTRIBUTIVE EDUCATION CONCENTRATION

### Master of Education (M.Ed.) Degree in the Curriculum and Instruction Program With a concentration in **Distributive Education**

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
Not accepting applications

**Minimum Total Hours:** 33  
**Program Level:** Masters  
**Program Status:** Active

**CIP Code:** 13.0301  
**Dept Code:** CNI  
**Program (Major/College):** CUR ED  
**Concentration Code:** CDE

#### CONTACT INFORMATION

**College:** Education  
**Department:**  
**Program Coordinator:** Please refer all inquiries to the department

**Phone:** 813-974-3455  
**Web Address:** <http://www.coedu.usf.edu>

**Mailing Address:**  
University of South Florida  
College of Education  
Adult, Career and Higher Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

---

**Inactive.** Currently, students are not being admitted to this program.

## EARLY CHILDHOOD EDUCATION PROGRAM

### Master of Arts (M.A.) Degree

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours:</b>	41 hours minimum
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Inactive
<b>CIP Code:</b>	13.1210
<b>Dept Code:</b>	EDR
<b>Program (Major/College):</b>	ANK ED

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Childhood Education
<b>Program Coordinator:</b>	Elizabeth Ehtridge
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-1029
<b>Fax:</b>	813-974-0938
<b>Email:</b>	<a href="mailto:Ehtridge@tempest.coedu.usf.edu">Ehtridge@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="mailto:Miranda@tempest.coedu.usf.edu">Miranda@tempest.coedu.usf.edu</a>

**Mailing Address:**  
 University of South Florida  
 College of Education  
 Childhood Education  
 4202 E. Fowler Avenue EDU162  
 Tampa FL 33620

**Inactive.** Currently, students are not being admitted to this program.

#### PROGRAM INFORMATION

##### Program Description

The M.A. program is designed for students with a bachelor's degree in Early Childhood Education with appropriate initial certification. It is for students who desire to expand expertise in the field and hold leadership positions.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Requirements for applicants include:

1. Minimum upper division GPA of 3.0 on a 4.0 scale in a baccalaureate degree.
2. GRE is required for applicants with an upper-division baccalaureate GPA below 3.0 on a 4.0 scale.
3. Initial certification in Early Childhood Education is required for admission to the M.A. in Early Childhood Education.
4. Exceptions to minimum requirements will be considered for applicants with National Board

Certification and an outstanding professional record.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/internationa.html>

#### DEGREE PROGRAM REQUIREMENTS

<b>Program of Study:</b>	<b>42 hours minimum</b>
Process Core Includes:	12 hours minimum
Trends	3 hours minimum
Specialization/Concentration	18 hours minimum
Focus Area:	9 hours
Option 1. Administration and Supervision	
Option 2. Curriculum	
Option 3. Special Education	

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

**COURSES** See <http://www.ugs.usf.edu/sab/sabs.cfm>

## EARLY CHILDHOOD EDUCATION CONCENTRATION

### Master of Education (M.Ed.) Degree in the Curriculum and Instruction Program With a concentration in Early Childhood Education

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	CNK

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Childhood Education
<b>Program Coordinator:</b>	Elizabeth Ethridge
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-1029
<b>Fax:</b>	813-974-0938
<b>Email:</b>	<a href="mailto:ethridge@tempest.coedu.usf.edu">ethridge@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/main/departments/ce/ce.html">http://www.coedu.usf.edu/main/departments/ce/ce.html</a>

##### Mailing Address:

University of South Florida  
College of Education  
Childhood Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

---

#### PROGRAM INFORMATION

##### Program Description

The M.Ed. Degree in Curriculum and Instruction with a concentration in Early Childhood Education is designed for those students who hold a degree in a related field and wish to improve their skills in teaching young children. When previous professional preparation does not meet graduate course prerequisites, candidates will be expected to complete undergraduate courses as determined through conference with a faculty advisor upon admission to the program. This program is not a teacher certification preparation program.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Requirements for all applicants include:

1. Minimum GPA of 3.0 on a 4.0 scale in upper division baccalaureate degree.
2. GRE required for applicants with an upper-division GPA below 3.0 on a 4.0 scale
3. Proof of educational or professional experience.

In order to be considered for admission, first-time or transferring graduate applicants must:

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

#### DEGREE PROGRAM REQUIREMENTS

**Program of Study:** **36 hours minimum**

Process Core:	12 hours minimum
Curriculum:	3 hours minimum
Specialization:	21 hours minimum

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>



## EARLY CHILDHOOD EDUCATION CONCENTRATION

### Education Specialist (Ed.S.) Degree in the Curriculum and Instruction Program With a concentration in Early Childhood Education

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
Not accepting applications.

**Minimum Total Hours:** 36  
**Program Level:** Specialist  
**Program Status:** Inactive

**CIP Code:** 13.0301  
**Dept Code:** CNI  
**Program (Major/College):** CUR ED  
**Concentration Code:** SNK

#### CONTACT INFORMATION

**College:** Education  
**Department:** Childhood Education  
**Program Coordinator:** N/A  
**Other Contact:** Christine Miranda  
**Phone:** 813-974-3463

**Mailing Address:**  
University of South Florida  
College of Education  
Childhood Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

---

**Inactive.** Currently, no students are being admitted to this program.

## EARLY CHILDHOOD EDUCATION CONCENTRATION

### Doctor of Philosophy (Ph.D.) Degree in the Curriculum and Instruction Program With a concentration in Early Childhood Education

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	75-81
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Inactive

<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	DNK

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Childhood Education
<b>Program Coordinator:</b>	Pamela O. Fleege
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-3460
<b>Fax:</b>	813-974-0938
<b>Email:</b>	<a href="mailto:Fleege@tempest.coedu.usf.edu">Fleege@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/main/departments/ce/ce.html">http://www.coedu.usf.edu/main/departments/ce/ce.html</a>

##### Mailing Address:

University of South Florida  
College of Education  
Childhood Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

**Inactive.** Currently, students are not being admitted to this program.

#### PROGRAM INFORMATION

##### Program Description

This program prepares leaders in the field of Early Childhood Education such as college and university faculty, directors of programs for school systems, directors in private settings, curriculum specialists and advocates for young children and families.

The program is designed to provide expertise in research into learning processes, designing and evaluating instructional materials and teaching techniques, university and college teaching, and the teaching of diverse learners.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Requirements for all applicants include:

1. GRE
2. Minimum GPA of 3.5 Masters

3. Proof of educational or professional experience
4. Letters of recommendation
5. Interview
6. Concept Paper or goal statement

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

#### DEGREE PROGRAM REQUIREMENTS

The program requires a minimum of 75-81 hours beyond the Master's degree. Each student's program is individually planned in consultation with a faculty program committee.

<b>Program of Study</b>	<b>75-81 hours</b>
Specialization:	(45 hours minimum)
Cognate:	(12 hours minimum)
Measurement/Statistics/Research Design	(11-16 hours minimum)
Foundations:	(7-8 hours minimum)

For more detailed information see our website at

[www.coedu.usf.edu/main/](http://www.coedu.usf.edu/main/)

**COURSES** See <http://www.ugs.usf.edu/sab/sabs.cfm>

## EDUCATIONAL LEADERSHIP PROGRAM

### Master of Education (M.Ed.) Degree

---

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.0401
<b>Dept Code:</b>	LEA
<b>Program (Major/College):</b>	CAS ED

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Educational Leadership & Policy Studies
<b>Program Director:</b>	Jeff Hall
<b>Other Contact:</b>	Darlene Bruner
<b>Phone:</b>	813-974-1344
<b>Fax:</b>	813-974-5423
<b>Email:</b>	<a href="mailto:jhall@tempest.coedu.usf.edu">jhall@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/main/departments/edlead/edlead.html">http://www.coedu.usf.edu/main/departments/edlead/edlead.html</a>
<b>Mailing Address:</b>	University of South Florida College of Education Educational Leadership and Policy Studies 4202 E. Fowler Avenue EDU162 Tampa FL 33620-5650

---

#### PROGRAM INFORMATION

##### Program Description

The M.Ed. is designed to improve performance in K-12 school leadership. The degree provides coursework that meets Florida Educational Leadership Core Curriculum requirements in public school curriculum and instruction, organizational management and development, human resource management and development, leadership skills, communication skills, technology, educational law, and educational finance. Successful completion of the program fulfills degree and core curriculum requirements for Florida certification in Level I K-12 Educational Leadership— Administrative Class. For complete requirements contact M.Ed. advisor.

The State of Florida requires all persons seeking employment in administrative positions to be certified in Educational Leadership. To be eligible to receive certification an individual shall (1) complete three years of successful teaching; (2) demonstrate proficiency in the Professional Educational Competencies; (3) hold a Master's of higher degree awarded by an accredited institution; (4) document successful completion of the Florida Educational Leadership Core Curriculum; and (5) successfully complete the State of Florida Educational Leadership Examination (FELE). The M.Ed. in Educational Leadership at the University of South Florida meets these requirements.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (SACS); The National Council for the Accreditation of Teacher Education (NCATE); and the Florida Department of Education.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent. In addition to meeting the University's admission requirements, the following are also required:

1. A valid professional Florida Educator's Certificate (please provide a copy with your application).
2. Three letters of recommendation from professionals who are familiar with your academic and professional work.
3. A letter of intent (brief statement outlining your goals for the degree).
4. Teaching under a full contract for a minimum of two years. Confirmation may be required.
5. A minimum 3.0 GPA on a 4.0 scale in upper division undergraduate coursework).
6. CLAST or GKT

**Please Note:** If the academic criteria above are not met, candidates are to submit an official Graduate Record Examination score taken within the last five years [verbal, quantitative, and analytical writing].

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of

transcripts. For more information, please visit <http://admissions.grad.usf.edu/international> .html.

### **DEGREE PROGRAM REQUIREMENTS**

**Program of Study** **36 hours**  
**minimum**

Area A: Core (9 hours)  
EDF 6492, EDG 6627, EME 6425

Area B: Leadership Concentration (24 hours)

EDA 6061, EDA 6106, EDA 6192, EDA 6232, EDA  
6242, EDA 6503, EDG 6285, EDS 6050

Area C: Field Experience (3 hours)

EDA 6945

Portfolio

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

### **COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## EDUCATIONAL LEADERSHIP PROGRAM

### Education Specialist (Ed.S.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Specialist
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.0401
<b>Dept Code:</b>	LEA
<b>Program (Major/College):</b>	SAS ED

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Educational Leadership & Policy Studies
<b>Program Director:</b>	Bill Benjamin
<b>Other Contact:</b>	Jeff Hall
<b>Phone:</b>	813-974-3422
<b>Fax:</b>	813-974-5423
<b>Email:</b>	<a href="mailto:Benjamin@tempest.coedu.usf.edu">Benjamin@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/main/departments/edlead/edlead.html">http://www.coedu.usf.edu/main/departments/edlead/edlead.html</a>

**Mailing Address:**

University of South Florida  
 Educational Leadership and Policy Studies  
 Educational Leadership Program  
 4202 E. Fowler Avenue, EDU162  
 Tampa, FL 33620-5650

---

#### PROGRAM INFORMATION

The Ed.S. degree is an advanced graduate degree beyond the master's degree but below the Ed.D. The Ed.S. is designed to provide professional educators with an opportunity to develop competencies in areas of special needs and interests. The degree is flexible, and each student's program is individually planned in consultation with a 3-member faculty program committee.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools (SACS); the National Council for the Accreditation of Teacher Education (NCATE).

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Admission Requirements**

Applicants to the Program must:

1. Submit an official Graduate Record Examination score taken within the last five years [verbal, quantitative, and analytical writing];
2. Hold a Master's degree from a regionally accredited institution and an earned GPA in the Master's degree of at least 3.5 on a 4.0 scale;
3. Hold a Florida Professional Educator's Certificate in Educational Leadership (k-12);
4. Submit three letters of recommendation from persons knowledgeable about the applicant's academic and professional competence;

5. Complete writing sample on site;
6. Present self professionally in an oral interview with two or more faculty members;
7. Contact the Program Advisor prior to applying to Graduate Admissions.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>.

#### DEGREE PROGRAM REQUIREMENTS

Program of Study, Comprehensive Examination, specialist thesis/project (including oral defense)

Program of Study:	36 hours min.
Specialization:	27 hours
Required Specialization Courses	15 hours
EDA 7222, EDA 7233, EDA 7247, EDS 7130, and EDG 7667 or EDG 7692	
Specialization Electives	9 hours
taken at the 6000 or 7000 level	
Core Elective	3 hours
taken from the Department of Educational Measurement/Research	
Thesis/Project	9 hours

EDA 6971, includes written comprehensive examination and oral defense of thesis/project.

Refer to College listing and Ed.S. Advisor for additional information. Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

**COURSES** - See <http://www.ugs.usf.edu/sab/sabs.cfm>

## EDUCATIONAL LEADERSHIP PROGRAM

### Doctor of Education (Ed.D.) Degree

---

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours</b>	76-82
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.0401
<b>Dept Code:</b>	LEA
<b>Program (Major/College):</b>	EAS ED

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Educational Leadership & Policy Studies
<b>Program Director:</b>	Bill Benjamin
<b>Other Contact:</b>	Jeff Hall
<b>Phone:</b>	813-974-3422
<b>Fax:</b>	813-974-5423
<b>Email:</b>	<a href="mailto:Benjamin@tempest.coedu.usf.edu">Benjamin@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/main/departments/edlead/edlead.html">http://www.coedu.usf.edu/main/departments/edlead/edlead.html</a>
<b>Mailing Address:</b>	University of South Florida Educational Leadership and Policy Studies Educational Leadership Program 4202 E. Fowler Avenue, EDU162 Tampa, FL 33620-5650

---

#### PROGRAM INFORMATION

The Ed.D. degree is designed to improve professional practice by enhancing the ability of professional educators to obtain, analyze, and synthesize information at an advanced level for effective education decision making.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools (SACS).

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Admission to the Ed. D. program is based on a holistic evaluation of the applicants' demonstrated potential to successfully complete all of the course and research requirements of the specific degree program. Success in the program requires excellent skills of scholarship in writing and research and a commitment to high quality and systematic inquiry.

The program faculty will consider each applicant in light of his or her qualifications and likelihood of success, first by reviewing the submitted materials and then through a personal interview for candidates who meet all other criteria. Applications are considered on a continuous basis throughout the year, although the offering of courses favors fall semester for initial registration.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

#### Admission Requirements

Applicants to the Program must:

1. Submit an official Graduate Record Examination score taken within the last five years [verbal, quantitative, and analytical writing];
2. Hold a Master's degree from a regionally accredited institution and an earned GPA in the Master's degree of at least 3.5 on a 4.0 scale;
3. Hold a Florida Professional Educator's Certificate in Educational Leadership (k-12);
4. Submit three letters of recommendation from persons knowledgeable about the applicant's academic and professional competence;
5. Complete writing sample on site;
6. Present self professionally in an oral interview with two or more faculty members;
7. Contact the Program Advisor prior to applying to Graduate Admissions.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

**DEGREE PROGRAM REQUIREMENTS**

Program of Study, qualifying examination, dissertation proposal, oral dissertation proposal hearing, dissertation, oral dissertation defense

**Program of Study: 76 hours minimum**

To include:

1. **Required Concentration Courses:** 24 hours  
EDA 7222, EDA 7233, EDA 7247, EDS 7130;  
9 hours electives at 7000-level or 6000-level with advanced graduate standing; 3 hour technology course at 6000-level or above.
2. **Measurement/Statistics/Research Design:** 11-16 hours  
EDF 6407, EDF 7408, and one of the following  
EDF 7410, EDF 7437, EDF 7484, EDF 7493, or  
EDF 7477 and EDF 7478
3. **Psychological and Social Foundations:** 11-12 hours  
Three courses at the 7000-level or 6000-level with advanced graduate standing, with at least one course required in each of the following areas – Philosophical/Social/Historical Foundations; Educational Psychology.
4. EDG 7667, EDG 7692
5. EDG 7980 Dissertation (24 hours)

Refer to College Listing or Ed.D. Advisor for additional information. Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>



## EDUCATIONAL LEADERSHIP – COLLEGE LEADERSHIP CONCENTRATION

Doctor of Education, Ed.D. Degree in the **Educational Leadership Program**  
With a concentration in **College Leadership**

### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours:</b>	76-82
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	LEA
<b>Program (Major/College):</b>	EAS ED
<b>Concentration Code:</b>	EHI

### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	
<b>Program Coordinator:</b>	W. Robert Sullins
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-3455
<b>Fax:</b>	813-974-3366
<b>Email:</b>	<a href="mailto:highered@tempest.coedu.usf.edu">highered@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/main/departments/ache/he/he.html">http://www.coedu.usf.edu/main/departments/ache/he/he.html</a>
<b>Mailing Address:</b>	University of South Florida College of Education Adult, Career and Higher Education 4202 E. Fowler Avenue EDU162 Tampa FL 33620

### PROGRAM INFORMATION

#### Program Description

Educational Leadership (College Leadership)  
The intent of the College Leadership program is to develop the competencies of educational practitioners in two and four year colleges and universities, and to obtain and synthesize knowledge for the solution of educational problems and practices. The Ed.D. program is designed for individuals who are primarily interested in the application of theory to improve practice in higher education.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

#### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

The program faculty will consider each applicant in light of his or her qualifications and likelihood of success, first by reviewing the submitted materials and then through a

personal interview for candidates who meet all other criteria. Applications are considered on a continuous basis throughout the year, although the offering of courses favors fall semester for initial registration. The faculty employ a holistic approach to the admissions consideration, taking into account all of the information and balancing test scores, previous grade point averages, recommendations, professional experiences and successes, etc. However, the program faculty give preference to candidates presenting:

1. A masters degree from a regionally accredited university with 3.5 GPA on a 4.0 scale and a 3.0 for upper division undergraduate coursework in the Baccalaureate degree;
2. Strong overall GRE scores having no more than one sub-test score below the 33<sup>rd</sup> percentile. If a score in one area is low, the other should be considerably higher. In some instances, GMAT, LSAT, or MCAT scores may be substituted for the GRE;
3. Demonstrated commitment to personal and professional growth and development and to the completion of the rigorous course and research demands of the program;
4. Excellent academic, analytical and communication skills.
5. A current professional vita or resume;
6. A clear and detailed statement of professional and personal goals describing the reasons that

- earning the doctorate is important to those goals;
7. Three letters of recommendation from former professors or supervisors who will attest to the applicant's likelihood of success in the doctoral program;
  8. Present self professionally during an oral interview with program faculty;
  9. Contact the program advisor prior to applying to Graduate Admissions.

In exceptional cases, students not meeting these criteria may submit additional or alternative documentation of their potential for success in doctoral level studies.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

## DEGREE PROGRAM REQUIREMENTS

<b>Program of Study:</b>	<b>76-82 hours</b>
<b>Specialization Courses</b>	12-13 hours
<b>Higher Education Core Courses</b>	9 hours (includes EDH 6947- Internship)
<b>Curriculum and Instruction:</b>	3 hours
<b>Statistics/Measurement/Research Design:</b>	12 hours
<b>Psychological and Social Foundations:</b>	7-8 hours
At least one 7000 level course is required in each of the two areas, Psychological and Social Foundations. Additional coursework to be determined with a faculty advisor.	
<b>Dissertation (EDH 7980):</b>	24 hours minimum
Refer to College listing for additional information.	

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

## COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>  
or  
<http://www.coedu.usf.edu/main/departments/ache/courses.html>

## EDUCATIONAL PROGRAM DEVELOPMENT PROGRAM

### Doctor of Education (Ed.D.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	76-82
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	EPD ED

##### Concentrations available in:

Administration of Special Education (ESE)  
 Adult Education (EAE)  
 Elementary Education (EEE)  
 Vocational Education (EVO)

#### CONTACT INFORMATION

**College:** Education

Refer to individual concentrations for contact information.

**Web Address:** <http://www.coedu.usf.edu/main>

##### Mailing Address:

University of South Florida  
 College of Education  
 4202 E. Fowler Avenue EDU162  
 Tampa FL 33620

---

#### PROGRAM INFORMATION

Refer to individual areas of concentration for information.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below. Refer to each area of concentration for program admission requirements or contact department.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>.

---

#### DEGREE PROGRAM REQUIREMENTS

Refer to areas of concentration for individual requirements.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## ELEMENTARY EDUCATION PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

**Minimum Total Hours:** 33

**Program Level:** Masters

**Program Status:** Active

**CIP Code:** 13.1202

**Dept Code:** EDR

**Program (Major/College):** AEE ED

**Concentrations available in:**

Early Childhood (MEA) – Plan 1 or 3

Elementary Curriculum (MEL) – Plan 1 or 3

Language Arts (MLG) – Plan 1 or 3

Science and Mathematics (MSM) St. Petersburg– Plan 1 or 3

**Also available as:**

M.A.T. in Elementary Education

#### CONTACT INFORMATION

**College:** Education

**Department:** Childhood Education

**Program Coordinator:** Nancy Williams

**Other Contact:** Christine Miranda

**Phone:** 813-974-3460

**Fax:** 813-974-0938

**Email:** [Laframboise@tempest.coedu.usf.edu](mailto:Laframboise@tempest.coedu.usf.edu)

[Miranda@tempest.coedu.usf.edu](mailto:Miranda@tempest.coedu.usf.edu)

**Web Address:**

<http://www.coedu.usf.edu/main/>

**Mailing Address:**

University of South Florida

College of Education

Childhood/Language Arts/Reading Education

4202 E. Fowler Avenue EDU162

Tampa FL 33620

---

**Inactive** Currently, no students are being admitted to this program.

## ELEMENTARY EDUCATION- EARLY CHILDHOOD CONCENTRATION

Master of Arts (M.A.) Degree in the **Elementary Education Program**  
With a concentration in **Early Childhood**

---

### DEGREE INFORMATION

**Program Admission Deadlines:**  
Not accepting applications

**Minimum Total Hours:** 33  
**Program Level:** Masters  
**Program Status:** Inactive

**CIP Code:** 13.1202  
**Dept Code:** EDR  
**Program (Major/College):** AEE ED  
**Concentration Code:** MEA

### CONTACT INFORMATION

**College:** Education  
**Department:** Childhood Education  
**Program Coordinator:** Nancy Williams  
**Other Contact:** Christine Miranda  
**Phone:** 813-974-3460  
**Fax:** 813-974-0938  
**Email:** [Laframboise@tempest.coedu.usf.edu](mailto:Laframboise@tempest.coedu.usf.edu)  
[Miranda@tempest.coedu.usf.edu](mailto:Miranda@tempest.coedu.usf.edu)  
**Web Address:**  
[www.coedu.usf.edu/main/](http://www.coedu.usf.edu/main/)

**Mailing Address:**  
 University of South Florida  
 College of Education  
 Childhood Education  
 4202 E. Fowler Avenue EDU162  
 Tampa FL 33620

---

**Inactive** Currently, no students are being admitted to this program.

## ELEMENTARY EDUCATION – ELEMENTARY CURRICULUM CONCENTRATION

### Master of Arts (M.A.) Degree in the Elementary Education Program With a concentration in **Elementary Curriculum**

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.1202
<b>Dept Code:</b>	EDR
<b>Program (Major/College):</b>	AEE ED
<b>Concentration Code:</b>	MEL

Concentrations available in most curricular areas.

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Childhood Education
<b>Program Coordinator:</b>	Nancy Williams
<b>Other Contact:</b>	Christine Miranda
<b>Phone:</b>	813-974-3460
<b>Fax:</b>	813-974-0938
<b>Email:</b>	<a href="mailto:Laframbo@tempest.coedu.usf.edu">Laframbo@tempest.coedu.usf.edu</a> <a href="mailto:Miranda@tempest.coedu.usf.edu">Miranda@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/main/">http://www.coedu.usf.edu/main/</a>

**Mailing Address:**  
University of South Florida  
College of Education  
Childhood Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

#### PROGRAM INFORMATION

##### Program Description

A program of study designed for those with a bachelor's degree and certification in the discipline who desire to increase their competence in elementary education. This program is not designed for those seeking initial certification.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent

Requirements for applicants include:

1. Minimum upper division GPA of 3.0 on a 4.0 scale in a baccalaureate degree or have earned a graduate degree from a regionally accredited institution.
2. GRE is required for applicants with an upper-division baccalaureate GPA below 3.0 on a 4.0 scale.

3. Exceptions to minimum requirements will be considered for National Board Certification and an outstanding professional record.
4. Initial certification in Elementary Education is required for admission to the M.A. (Plan I) in Elementary Education.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

#### DEGREE PROGRAM REQUIREMENTS

A minimum of 33 hours including 6 hours of process core, 6 hours of program core, and 21 hours of emphasis area courses. Please contact program coordinator for more information.

<b>Program of Study:</b>	<b>33 hours</b>
<b>Program Core:</b>	<b>6 hours</b>
EDF 6935 LAE 6316 or LAE 6415	

**Process Core:** 6 hours  
EDF 6481 EDF 6215 or EDF 6120  
Specialization/Concentration 3 hours  
Elective  
Content Specialization 18 hours

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## ELEMENTARY EDUCATION- LANGUAGE ARTS CONCENTRATION

**Master of Arts (M.A.) Degree in the Elementary Education Program  
With a concentration in [Language Arts](#)**

---

### DEGREE INFORMATION

**Program Admission Deadlines:**  
Not accepting applications

**Minimum Total Hours:** 33  
**Program Level:** Masters  
**Program Status:** Inactive

**CIP Code:** 13.1202  
**Dept Code:** EDR  
**Program (Major/College):** AEE ED  
**Concentration Code:** MLG

### CONTACT INFORMATION

**College:** Education  
**Department:** Childhood Education  
**Program Coordinator:** Nancy Williams  
**Other Contact:** Christine Miranda  
**Phone:** 813-974-3460  
**Fax:** 813-974-0938  
**Email:** [Miranda@tempest.coedu.usf.edu](mailto:Miranda@tempest.coedu.usf.edu)

**Web Address:** [www.coedu.usf.edu/main/](http://www.coedu.usf.edu/main/)

**Mailing Address:**  
 University of South Florida  
 College of Education  
 Childhood Education  
 4202 E. Fowler Avenue EDU162  
 Tampa FL 33620

---

**Inactive** Currently, no students are being admitted to this program.



## ELEMENTARY EDUCATION PROGRAM

### Master of Arts in Teaching (M.A.T.) Degree

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours:</b>	53
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.1202
<b>Dept Code:</b>	EDR
<b>Program (Major/College):</b>	TEE ED

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Childhood Education
<b>Program Coordinator:</b>	Nancy Williams
<b>Other Contact:</b>	Christine Miranda
<b>Phone:</b>	813-974-3460
<b>Fax:</b>	813-974-0938
<b>Email:</b>	<a href="mailto:NWilliam@tempest.coedu.usf.edu">NWilliam@tempest.coedu.usf.edu</a> <a href="mailto:Miranda@tempest.coedu.usf.edu">Miranda@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/main/">http://www.coedu.usf.edu/main/</a>
<b>Mailing Address:</b>	University of South Florida College of Education Childhood Education 4202 E. Fowler Avenue EDU162 Tampa FL 33620

#### PROGRAM INFORMATION

##### Program Description

This program is designed for students who have a non-elementary bachelor's degree and who wish to become elementary teachers for grades K-6. Students earn an ESOL endorsement at the same time as a Master's degree in Elementary Education.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent

Requirements for applicants include:

1. Minimum upper division GPA of 3.0 on a 4.0 scale in the baccalaureate degree.
2. GRE is required for applicants with an upper-division baccalaureate GPA below 3.0 on a 4.0 scale.
3. Exceptions to minimum requirements will be considered for National Board Certification and an outstanding professional record.
4. Initial certification in Elementary Education is required for admission to the M.A. (Plan I) in Elementary Education.

OR

5. Have earned a graduate degree from an accredited institution with a 3.5 GPA.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

#### DEGREE PROGRAM REQUIREMENTS

A minimum of 53 hours of coursework (including internships). Contact program for specific information, and [www.coedu.usf.edu/sas](http://www.coedu.usf.edu/sas) for internship and State of Florida testing requirements. Florida State Department of Education program approval standards, and accreditation criteria.

**Program of Study:** **53 hours**

**Program Core:** 9 hours

LAE 6415 RED 6514 EDE 6326

**Process Core:** 6 hours

EDE 6211 or EDF 6120 EDF 4430

**Specialization/Concentration:** 11 hours

EDE 6946 EDG 6947 EDE 6458 I and

EDE 6458 II

**Content Specialization:** 27 hours

FLE 5430 FLE 5431 FLE 5432  
MAE 6117 SCE 4310 SSE 6617  
RED 6544 RED 6545 EDE 6502

**Plan III**

This program track is available for students who do not desire teacher certification (See College listing or contact program for more information.)

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## ELEMENTARY EDUCATION CONCENTRATION

### Master of Education (M.Ed.) Degree in the Curriculum and Instruction Program With a concentration in Elementary Education

---

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	Not accepting applications.
<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Inactive
<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	CEE

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Childhood Education
<b>Program Coordinator:</b>	
<b>Other Contact:</b>	Christine Miranda
<b>Phone:</b>	813-974-3460
<b>Fax:</b>	813-974-0938
<b>Email:</b>	<a href="mailto:Miranda@tempest.coedu.usf.edu">Miranda@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/main/">http://www.coedu.usf.edu/main/</a>
<b>Mailing Address:</b>	
	University of South Florida
	College of Education
	Childhood Education
	4202 E. Fowler Avenue EDU162
	Tampa FL 33620

---

**Inactive.** Currently, no students are being admitted to this program

## ELEMENTARY EDUCATION CONCENTRATION

### Education Specialist (Ed.S.) Degree in the Curriculum and Instruction Program With a concentration in Elementary Education

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Specialist
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Childhood Education
<b>Program Coordinator:</b>	Susan Homan
<b>Other Contact:</b>	Christine Miranda
<b>Phone:</b>	813-974-3460
<b>Fax:</b>	813-974-0938
<b>Email:</b>	<a href="mailto:Homan@tempest.coedu.usf.edu">Homan@tempest.coedu.usf.edu</a> <a href="mailto:Miranda@tempest.coedu.usf.edu">Miranda@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/main/">http://www.coedu.usf.edu/main/</a>
<b>Mailing Address:</b>	University of South Florida College of Education Childhood Education 4202 E. Fowler Avenue EDU162 Tampa FL 33620

#### PROGRAM INFORMATION

##### Program Description

Prepares in-school leaders with expertise in instruction and program development in a variety of educational settings.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Requirements for applicants include:

1. GRE Required
2. Minimum GPA of 3.0 / 3.5 M
3. Proof of educational or professional experience
4. Proof of initial certification
5. Letters of recommendation
6. Interview
7. Concept Paper or goal statement

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>.

#### DEGREE PROGRAM REQUIREMENTS

The program requires a minimum of 36 hours beyond the Master's degree, including coursework, written comprehensive examination, and a project. The Ed.S. program is individually planned with an advisor to include coursework in areas such as reading, elementary education, literacy and research.

<b>Minimum Requirements:</b>	<b>36 hours</b>
<b>Specialization Coursework</b>	27 hours
<b>Thesis</b>	9 hours

#### Comprehensive Exam Required

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## ELEMENTARY EDUCATION CONCENTRATION

### Doctor of Philosophy (Ph.D.) Degree in the Curriculum and Instruction Program With a concentration in **Elementary Education**

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
Not accepting applications

**Minimum Total Hours:** 75-81  
**Program Level:** Doctoral  
**Program Status:** Inactive

**CIP Code:** 13.0301  
**Dept Code:** CNI  
**Program (Major/College):** CUR ED  
**Concentration Code:** DEE

#### CONTACT INFORMATION

**College:** Education  
**Department:** Childhood Education  
**Program Coordinator:** Susan Homan  
**Other Contact:** Christine Miranda  
**Phone:** 813-974-3460  
**Fax:** 813-974-0938  
**Email:** [Homan@tempest.coedu.usf.edu](mailto:Homan@tempest.coedu.usf.edu) or  
[Miranda@tempest.coedu.usf.edu](mailto:Miranda@tempest.coedu.usf.edu)  
**Web Address:**  
<http://www.coedu.usf.edu/main/>

**Mailing Address:**  
 University of South Florida  
 College of Education  
 Childhood Education  
 4202 E. Fowler Avenue EDU162  
 Tampa FL 33620

---

**Inactive.** Currently, no students are being admitted to this program

## ELEMENTARY EDUCATION CONCENTRATION

### Doctor of Education (Ed.D.) in Educational Program Development With a concentration in **Elementary Education**

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
Not accepting applications.

**Minimum Total Hours:** 72-81  
**Program Level:** Doctoral  
**Program Status:** Inactive

**CIP Code:** 13.0301  
**Dept Code:** CNI  
**Program (Major/College):** EPD ED  
**Concentration Code:** EEE

#### CONTACT INFORMATION

**College:** Education  
**Department:** Childhood Education  
**Program Coordinator:** Susan Homan  
**Other Contact:** Christine Miranda  
**Phone:** 813-974-3460  
**Fax:** 813-974-0938  
**Email:** [Homan@tempest.coedu.usf.edu](mailto:Homan@tempest.coedu.usf.edu)  
[Miranda@tempest.coedu.usf.edu](mailto:Miranda@tempest.coedu.usf.edu)  
**Web Address:** <http://www.coedu.usf.edu/main/>

**Mailing Address:**  
 University of South Florida  
 College of Education  
 Childhood Education  
 4202 E. Fowler Avenue EDU162  
 Tampa FL 33620

---

**Inactive.** Currently, no students are being admitted to this program.

## ENGLISH EDUCATION PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.1305
<b>Dept Code:</b>	EDI
<b>Program (Major/College):</b>	AEN EJ

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Secondary Education
<b>Program Coordinator:</b>	Joan Kaywell
<b>Other Contact:</b>	Jane Applegate
<b>Phone:</b>	813-974-3533
<b>Fax:</b>	813-974-3837
<b>Email:</b>	<a href="mailto:kawell@tempest.coedu.usf.edu">kawell@tempest.coedu.usf.edu</a> [c1]
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

##### Mailing Address:

University of South Florida  
College of Education  
Secondary Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

---

#### PROGRAM INFORMATION

##### Program Description

A program of study designed for those with a bachelor's degree in the field of English and/or a related appropriate initial certification who desire to increase their competence in a subject concentration.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools. National Council of Teachers of English (NCTE) for the MA Plan II.

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Requirements for all applicants include:

1. Minimum GPA of 3.0 in upper division coursework in the baccalaureate degree
2. Proof of educational or professional experience
3. Proof of initial certification (MA PI 1)
4. Evidence of successful teaching experience.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a

TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

#### DEGREE PROGRAM REQUIREMENTS

<b>Plan I - Program of Study</b>	33 hours min
<b>Process Core:</b>	3 hours min
Current Trends in Teaching Specialization:	3 hours

**Concentration:** 18 hours minimum.

Content course selections are based on the prior background of the student and the current certification requirements; please see an advisor.

**Electives:** 9 hours minimum (may be taken from the following areas: English, English Education, or Process Core)

**Comprehensive Examination:** Required in both English content and English Education.

**Plan II - Inactive**

**Plan III** programs are also available for those who do not hold teaching certification but have a baccalaureate degree in English or a substantial number of hours in English content. For information on Plan III, please consult the program coordinator.

**COURSES** See <http://www.ugs.usf.edu/sab/sabs.cfm>

## ENGLISH EDUCATION PROGRAM

### Master of Arts in Teaching (M.A.T.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	41
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.1305
<b>Dept Code:</b>	EDI
<b>Program (Major/College):</b>	TEC ED

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Secondary Education
<b>Program Coordinator:</b>	Joan Kaywell
<b>Other Contact:</b>	
<b>Phone:</b>	813-974-3533
<b>Fax:</b>	813-974-3837
<b>Email:</b>	<a href="mailto:kaywell@tempest.coedu.usf.edu">kaywell@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

##### Mailing Address:

University of South Florida  
College of Education  
Secondary Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

#### PROGRAM INFORMATION

A program of study designed to prepare students for initial certification in English education.

##### Program Description

The M.A.T. in English Education is designed to include initial certification to teach English, grades 6-12 with ESOL Endorsement while working towards a masters degree. It is planned for graduates of B.A. Liberal Arts English programs or for graduates of other programs who have completed the following within their programs of study: grammar/language development, adolescent literature, American literature, British literature, female/minority literature, expository writing, and creative writing.

All students must make an appointment with an advisor to ensure that all certification requirements either within the degree itself or in addition to it have been met, and to develop a Graduate Planned Program.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools. Includes the state of Florida Accomplished Practices as well as NCATE/NCTE accreditation standards.

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Requirements for all applicants include:

1. Minimum GPA of 3.0 in upper division work in the Baccalaureate degree
2. CLAST or GKT
3. Complete specified coursework for content knowledge in English

##### Application Materials

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

#### DEGREE PROGRAM REQUIREMENTS

For Master of Arts in Teaching Degree (M.A.T.)	
Program of Study	41 hours min
English Education methods	14 hours
Current Trends in Teaching Specialization	3 hours
ESOL	9 hours
Core process	9 hours
Internship	6 hours
Comprehensive Examination in English Education.	

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>



## ENGLISH EDUCATION CONCENTRATION

### Master of Education (M.Ed.) Degree in the Curriculum and Instruction Program With a concentration in English Education

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	CEN

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Secondary Education
<b>Program Coordinator:</b>	Joan Kaywell
<b>Other Contact:</b>	Jane Applegate
<b>Phone:</b>	813-974-3533
<b>Fax:</b>	813-974-3837
<b>Email:</b>	<a href="mailto:pdaniel@tempest.coedu.usf.edu">pdaniel@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http:// www.coedu.usf.edu</a>
<b>Mailing Address:</b>	University of South Florida College of Education 4202 E. Fowler Avenue EDU162 Tampa FL 33620

#### PROGRAM INFORMATION

##### Program Description

The M.Ed. degree in Curriculum and Instruction is a flexible program designed for fully certified teachers of English who wish to improve their skills in teaching middle school and/or senior high school English language arts. The program is developed in consultation with an advisor and tailored to the needs of each individual.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Requirements for all applicants include:

1. Minimum GPA of 3.0 in upper division coursework in the Baccalaureate degree
2. Proof of educational or professional experience
3. Evidence of successful professional experiences supporting the fit between professional background and program goals.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree

in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

#### DEGREE PROGRAM REQUIREMENTS

**Program of Study** 33 hours min

**Process Core** 12 hours  
EDF 6432 EDF 6481  
EDF 6211 or EDF 6215  
EDF 6517 or EDF 6544 or EDF 6606  
Curriculum and Instruction (EDG 6627) 3 hours

##### English Education

**Specialization/Concentration** 12 hours  
in the area of emphasis, to include courses in content and/or the teaching of this content

**Electives** 6 hours

**Comprehensive Examination** - In English Education

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## ENGLISH EDUCATION CONCENTRATION

### Doctor of Philosophy (Ph.D.) Degree in the Curriculum and Instruction Program With a concentration in English Education

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	75-81
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	DCE

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Secondary Education
<b>Program Coordinator:</b>	Jane Applegate
<b>Other Contact:</b>	
<b>Phone:</b>	813-974-3533
<b>Fax:</b>	813-974-3837
<b>Email:</b>	<a href="mailto:applegat@tempest.coedu.usf.edu">applegat@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

##### Mailing Address:

University of South Florida  
College of Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

#### PROGRAM INFORMATION

##### Program Description

This program is highly individualized. Candidates' programs are planned (with approval by a faculty committee) based upon previous experience and future goals.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Requirements for all applicants include:

1. GRE
2. Minimum GPA of B-3 / M-3.5
3. Submit three letters of recommendation from persons knowledgeable about the applicant's academic and professional competence
4. Submit a personal goal statement and a sample of written work
5. Have three years of successful teaching experience
6. Interview with program faculty

**For international applicants:** Applicants whose native language is not English or who have not earned a degree

in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit

<http://admissions.grad.usf.edu/international.html>

#### DEGREE PROGRAM REQUIREMENTS

This program requires a minimum of 75 hours beyond the Master's degree.

Program of Study	75 - 81 hours min
Concentration	18 hours minimum
Curriculum and Instruction	3 hours
Cognate Area	12 hours

Supporting courses outside specialization area

Statistics/Measurement/Research Design	11-16 hours
Foundations (Psychological and Social)	7-8 hours
Dissertation	24 hours min
Dissertation, Residency, and Doctoral Qualifying Examination	

Refer to College for information.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## FOREIGN LANGUAGE EDUCATION PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Inactive

<b>CIP Code:</b>	13.1306
<b>Dept Code:</b>	EDI
<b>Program (Major/College):</b>	FLE EJ

**Concentrations available in:**

- Foreign Language Ed., French (AFF)
- Foreign Language Ed., German (AFG)
- Foreign Language Ed., Spanish (AFS)

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Secondary Education
<b>Program Coordinator:</b>	Tony Erben
<b>Other Contact:</b>	
<b>Phone:</b>	813-974-3533
<b>Fax:</b>	813-974-3837
<b>Email:</b>	<a href="mailto:terben@tempest.coedu.usf.edu">terben@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/terben">http://www.coedu.usf.edu/terben</a>

**Mailing Address:**

University of South Florida  
College of Education  
Secondary Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

**Inactive.** Currently no students are being admitted to this program.

#### PROGRAM INFORMATION

**Program Description**

Prepares educators for teaching foreign language in a K-12 environment.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**Major Research Areas:** German, Spanish, French, Latin, Foreign Language Education.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

The admissions committee will consider each applicant in light of his or her qualifications and likelihood of success. The faculty employs a holistic approach to the admissions consideration, taking into account all the information and balancing previous grade point averages, test scores, previous success in graduate coursework, recommendations, and professional experiences as well

as fit of the program to the applicants' personal and professional goals. In order to be admitted to the graduate program in Foreign Language Education, students must present the following:

Requirements for all applicants include:

1. Minimum GPA of 3.0 in upper division coursework in the Baccalaureate degree
2. Proof of relevant educational or professional experience
3. Coursework is allowed in lieu of GPA or GRE requirement (Plan I)
4. A current resume
5. A clear and detailed statement of professional and personal goals describing the reasons that earning the degree is important to those goals.
6. Two letters of recommendation, preferably at least one from a current or former professor (or school principal if working in a school environment) who will attest to the applicant's likelihood of success in a graduate program.
7. Strong GRE scores with no more than one sub-score below the 33<sup>rd</sup> percentile. If a

score in one area is very low, the other should be considerably higher.

8. Evidence of 30 credit hours in foreign language coursework or evidence of native language proficiency.
9. An appropriate level of proficiency in foreign language demonstrated by an interview with the program faculty (in person or by telephone), by presenting an ACTFL OPI score of intermediate high or higher, or by any equivalent measure as approved by the program faculty.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

## DEGREE PROGRAM REQUIREMENTS

### For M.A. - Plan I Program of Study

30 hours

### Professional Education

3-12 hours

EDF 6211 or EDF 6215

EDF 6517 or EDF 6544 or EDF 6606

EDF 6481 Foundations of Educational Research

EDF 6432 Foundations of Measurement

FLE 6665 Current Trends 3 hours

FLE 5291 Applications of Technology

to FLE (except if taken as part of the B.A.) 3 hours

### Specialization

18 hours

(at the 5000 and 6000 level)

**Comprehensive Examination:** Required in both Foreign Language and Foreign Language Education.

Plan II – inactive.

A Plan III, non-certification option is also available for those who do not desire teacher certification. For information on Plan III, contact the program coordinator.

## COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm> and [http://www.coedu.usf.edu/main/departments/seced/programs/fle/fle\\_ma.html](http://www.coedu.usf.edu/main/departments/seced/programs/fle/fle_ma.html)

## FOREIGN LANGUAGE EDUCATION PROGRAM

### French Concentration

### Master of Arts (M.A.) Degree in the Foreign Language Education Program With a concentration in French

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.1306
<b>Dept Code:</b>	EDI
<b>Program (Major/College):</b>	FLE EJ
<b>Concentration Code:</b>	AFF

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Secondary Education
<b>Program Coordinator:</b>	Tony Erben
<b>Other Contact:</b>	
<b>Phone:</b>	813-974-3533
<b>Fax:</b>	813-974-3837
<b>Email:</b>	<a href="mailto:terben@tempest.coedu.usf.edu">terben@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/terben">http://www.coedu.usf.edu/terben</a>

#### Mailing Address:

University of South Florida  
College of Education  
Secondary Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

**Inactive.** Currently no students are being admitted to this program.

#### PROGRAM INFORMATION

##### Program Description

Prepares educators for teaching French in a K-12 environment.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

The admissions committee will consider each applicant in light of his or her qualifications and likelihood of success. The faculty employs a holistic approach to the admissions consideration, taking into account all the information and balancing previous grade point averages, test scores, previous success in graduate coursework, recommendations, and professional experiences as well as fit of the program to the applicants' personal and professional goals. In order to be admitted to the graduate program in Foreign Language Education, students must present the following:

Requirements for all applicants include:

1. Minimum GPA of 3.0 in upper division coursework in the Baccalaureate degree
2. Proof of relevant educational or professional experience
3. Coursework is allowed in lieu of GPA or GRE requirement (Plan I)
4. A current resume
5. A clear and detailed statement of professional and personal goals describing the reasons that earning the degree is important to those goals.
6. Two letters of recommendation, preferably at least one from a current or former professor (or school principal if working in a school environment) who will attest to the applicant's likelihood of success in a graduate program.
7. Strong GRE scores with no more than one sub-score below the 33<sup>rd</sup> percentile. If a score in one area is very low, the other should be considerably higher.
8. Evidence of 30 credit hours in foreign language coursework or evidence of native language proficiency.

9. An appropriate level of proficiency in foreign language demonstrated by an interview with the program faculty (in person or by telephone), by presenting an ACTFL OPI score of intermediate high or higher, or by any equivalent measure as approved by the program faculty.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

## DEGREE PROGRAM REQUIREMENTS

### For M.A. - Plan I Program of Study

30 hours

### Professional Education

3-12 hours

EDF 6211 or EDF 6215

EDF 6517 or EDF 6544 or EDF 6606

EDF 6481 Foundations of Educational  
Research

EDF 6432 Foundations of Measurement

FLE 6665 Current Trends 3 hours

FLE 5291 Applications of Technology

to FLE (except if taken as part  
of the B.A.)

3 hours

### Specialization

18 hours

(at the 5000 and 6000 level)

**Comprehensive Examination:** Required in both Foreign Language and Foreign Language Education.

Plan II – inactive.

A Plan III, non-certification option is also available for those who do not desire teacher certification. For information on Plan III, contact the program coordinator.

## COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm> and [http://www.coedu.usf.edu/main/departments/seced/programs/file/file\\_ma.html](http://www.coedu.usf.edu/main/departments/seced/programs/file/file_ma.html)

## FOREIGN LANGUAGE EDUCATION PROGRAM GERMAN CONCENTRATION

### Master of Arts (M.A.) Degree in the Foreign Language Education Program With a concentration in German

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.1306
<b>Dept Code:</b>	EDI
<b>Program (Major/College):</b>	FLE EJ
<b>Concentration Code:</b>	AFG

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Secondary Education
<b>Program Coordinator:</b>	Tony Erben
<b>Other Contact:</b>	
<b>Phone:</b>	813-974-3533
<b>Fax:</b>	813-974-3837
<b>Email:</b>	<a href="mailto:terben@tempest.coedu.usf.edu">terben@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/terben">http://www.coedu.usf.edu/terben</a>
<b>Mailing Address:</b>	
	University of South Florida
	College of Education
	Secondary Education
	4202 E. Fowler Avenue EDU162
	Tampa FL 33620

**Inactive.** Currently no students are being admitted to this program.

#### PROGRAM INFORMATION

##### Program Description

Prepares educators for teaching German in a K-12 environment.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

The admissions committee will consider each applicant in light of his or her qualifications and likelihood of success. The faculty employs a holistic approach to the admissions consideration, taking into account all the information and balancing previous grade point averages, test scores, previous success in graduate coursework, recommendations, and professional experiences as well as fit of the program to the applicants' personal and professional goals. In order to be admitted to the graduate program in Foreign Language Education, students must present the following:

Requirements for all applicants include:

1. Minimum GPA of 3.0 in upper division coursework in the Baccalaureate degree
2. Proof of relevant educational or professional experience
3. Coursework is allowed in lieu of GPA or GRE requirement (Plan I)
4. A current resume
5. A clear and detailed statement of professional and personal goals describing the reasons that earning the degree is important to those goals.
6. Two letters of recommendation, preferably at least one from a current or former professor (or school principal if working in a school environment) who will attest to the applicant's likelihood of success in a graduate program.
7. Strong GRE scores with no more than one sub-score below the 33<sup>rd</sup> percentile. If a score in one area is very low, the other should be considerably higher.
8. Evidence of 30 credit hours in foreign language coursework or evidence of native language proficiency.

9. An appropriate level of proficiency in foreign language demonstrated by an interview with the program faculty (in person or by telephone), by presenting an ACTFL OPI score of intermediate high or higher, or by any equivalent measure as approved by the program faculty.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

## DEGREE PROGRAM REQUIREMENTS

### For M.A. - Plan I Program of Study

30 hours

### Professional Education

3-12 hours

EDF 6211 or EDF 6215

EDF 6517 or EDF 6544 or EDF 6606

EDF 6481 Foundations of Educational  
Research

EDF 6432 Foundations of Measurement

FLE 6665 Current Trends 3 hours

FLE 5291 Applications of Technology

to FLE (except if taken as part  
of the B.A.)

3 hours

### Specialization

18 hours

(at the 5000 and 6000 level)

**Comprehensive Examination:** Required in both Foreign Language and Foreign Language Education.

Plan II – inactive.

A Plan III, non-certification option is also available for those who do not desire teacher certification. For information on Plan III, contact the program coordinator.

## COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm> and [http://www.coedu.usf.edu/main/departments/seced/programs/fle/fle\\_ma.html](http://www.coedu.usf.edu/main/departments/seced/programs/fle/fle_ma.html)



## FOREIGN LANGUAGE EDUCATION PROGRAM SPANISH CONCENTRATION

### Master of Arts (M.A.) Degree in the Foreign Language Education Program With a concentration in **Spanish**

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.1306
<b>Dept Code:</b>	EDI
<b>Program (Major/College):</b>	FLE EJ
<b>Concentration Code:</b>	AFS

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Secondary Education
<b>Program Coordinator:</b>	Tony Erben
<b>Other Contact:</b>	
<b>Phone:</b>	813-974-3533
<b>Fax:</b>	813-974-3837
<b>Email:</b>	<a href="mailto:terben@tempest.coedu.usf.edu">terben@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/terben">http://www.coedu.usf.edu/terben</a>
<b>Mailing Address:</b>	
	University of South Florida
	College of Education
	Secondary Education
	4202 E. Fowler Avenue EDU162
	Tampa FL 33620

**Inactive.** Currently no students are being admitted to this program.

#### PROGRAM INFORMATION

##### Program Description

Prepares educators for teaching Spanish in a K-12 environment.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

The admissions committee will consider each applicant in light of his or her qualifications and likelihood of success. The faculty employs a holistic approach to the admissions consideration, taking into account all the information and balancing previous grade point averages, test scores, previous success in graduate coursework, recommendations, and professional experiences as well as fit of the program to the applicants' personal and professional goals. In order to be admitted to the graduate program in Foreign Language Education, students must present the following:

Requirements for all applicants include:

1. Minimum GPA of 3.0 in upper division coursework in the Baccalaureate degree
2. Proof of relevant educational or professional experience
3. Coursework is allowed in lieu of GPA or GRE requirement (Plan I)
4. A current resume
5. A clear and detailed statement of professional and personal goals describing the reasons that earning the degree is important to those goals.
6. Two letters of recommendation, preferably at least one from a current or former professor (or school principal if working in a school environment) who will attest to the applicant's likelihood of success in a graduate program.
7. Strong GRE scores with no more than one sub-score below the 33<sup>rd</sup> percentile. If a score in one area is very low, the other should be considerably higher.
8. Evidence of 30 credit hours in foreign language coursework or evidence of native language proficiency.

9. An appropriate level of proficiency in foreign language demonstrated by an interview with the program faculty (in person or by telephone), by presenting an ACTFL OPI score of intermediate high or higher, or by any equivalent measure as approved by the program faculty.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

## DEGREE PROGRAM REQUIREMENTS

### For M.A. - Plan I Program of Study

30 hours

### Professional Education

3-12 hours

EDF 6211 or EDF 6215

EDF 6517 or EDF 6544 or EDF 6606

EDF 6481 Foundations of Educational  
Research

EDF 6432 Foundations of Measurement

FLE 6665 Current Trends 3 hours

FLE 5291 Applications of Technology

to FLE (except if taken as part  
of the B.A.) 3 hours

### Specialization

18 hours

(at the 5000 and 6000 level)

**Comprehensive Examination:** Required in both Foreign Language and Foreign Language Education.

Plan II – inactive.

A Plan III, non-certification option is also available for those who do not desire teacher certification. For information on Plan III, contact the program coordinator.

## COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm> and

[http://www.coedu.usf.edu/main/departments/seced/programs/fle/fle\\_ma.html](http://www.coedu.usf.edu/main/departments/seced/programs/fle/fle_ma.html)

## FOREIGN LANGUAGE EDUCATION PROGRAM

### Master of Arts in Teaching (M.A.T.) Degree

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours:</b>	42
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.1306
<b>Dept Code:</b>	EDI
<b>Program (Major/College):</b>	TFL ED

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Secondary Education
<b>Program Coordinator:</b>	Tony Erben
<b>Other Contact:</b>	Marcela van Olphen
<b>Phone:</b>	813-974-1652
<b>Fax:</b>	813-974-3837
<b>Email:</b>	<a href="mailto:terben@tempest.coedu.usf.edu">terben@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/main/departments/seced/programs/file/mat.html">http://www.coedu.usf.edu/main/departments/seced/programs/file/mat.html</a>
<b>Mailing Address:</b>	University of South Florida College of Education Secondary Education 4202 E. Fowler Avenue EDU162 Tampa FL 33620

#### PROGRAM INFORMATION

##### Program Description

The M.A.T. degree is designed for individuals with a Bachelor's degree in a field other than education who wish to become certified teachers in foreign language at the middle or high school level. Students can earn ESOL endorsement at the same time as the Master's degree. The M.A.T. is an accelerated degree.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Admission Program Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Requirements for all applicants include:

1. Minimum GPA of 3.0 in upper division coursework in the baccalaureate degree
2. CLAST or GKT
3. 2 Letters of recommendation (1 personal and 1 professional) stating the ability of the student to complete graduate studies.
4. Interview
5. Concept Paper or goal statement
6. Evidence of 30 credit hours in foreign language coursework or evidence of native language proficiency.

7. An appropriate level of proficiency in the foreign language demonstrated by an interview with the program faculty (in person or by telephone, by presenting an ACTFL OPI score of intermediate high or higher, or by any equivalent measure as approved by the program faculty.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

##### DEGREE PROGRAM REQUIREMENTS

A program of study designed for the holder of a non-education baccalaureate degree who is functionally competent and proficient in the target language. This program meets initial certification requirements (K-12) as well as full ESOL endorsement. The program requires 42 semester hours, minimum.

**Professional Foreign Language Education Courses - 15 hours**

**Current Trends in Teaching Specialization – 3 hrs.**

**ESOL – 9 hrs.**

**Foreign Language Professional Core** – 9 hrs.

**Internship** - 6 hours

(The internship is planned observation and teaching, supervised by a member of the University faculty and a school staff member.)

**Comprehensive Examination** required in Foreign Language Education.

Please refer to [www.coedu.usf.edu/sas](http://www.coedu.usf.edu/sas) for specific internship entrance and State of Florida testing requirements.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## FOREIGN LANGUAGE EDUCATION CONCENTRATION

### Master of Education (M.Ed.) Degree in the Curriculum and Instruction Program With a concentration in Foreign Language Education

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	CFE

Offered with emphases in French, German, or Spanish

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Secondary Education
<b>Program Coordinator:</b>	Tony Erben
<b>Other Contact:</b>	Marcela van Olphen
<b>Phone:</b>	813-974-3533
<b>Fax:</b>	813-974-3837
<b>Email:</b>	<a href="mailto:terben@tempest.coedu.usf.edu">terben@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/main/departments/seced/programs/fle/fle_med.html">http://www.coedu.usf.edu/main/departments/seced/programs/fle/fle_med.html</a>

##### Mailing Address:

University of South Florida  
College of Education  
Secondary Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

---

#### PROGRAM INFORMATION

##### Program Description

This program has a greater emphasis on the field of education and allows students to select courses in their specialization either inside the College of Education or from other colleges. Students who have completed a bachelor's degree in foreign language education or another education field are eligible to enroll in this M.Ed. degree program. Minimally, students must provide proof of two years of relevant educational experience as judged by the program faculty. Usually, students in this degree program are State of Florida certified teachers.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Requirements for all applicants include a minimum GPA of 3.0 in upper division coursework in the Baccalaureate degree.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree

in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>.

#### DEGREE PROGRAM REQUIREMENTS

The M.Ed. degree requires a minimum of 33 semester hours with 60 percent or more of the courses at the 6000 level.

**Professional Education Courses** (12 hours) in educational psychology, foundations, research methods, etc.)

**Specialization content** (18 hours) are taken at the graduate level in the area of emphasis, to include courses in content and/or the teaching of this content.

**Curriculum and Instruction** (3 hours) – EDG 6627

##### Comprehensive Examination

A comprehensive examination must be taken in the College of Education at the completion of the program

Check with the program coordinator for specific requirements.

**COURSES** See <http://www.ugs.usf.edu/sab/sabs.cfm>

## HIGHER EDUCATION, ADMINISTRATION CONCENTRATION

### Education Specialist (Ed.S.) Degree in the Curriculum and Instruction Program With a concentration in Higher Education, Administration

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
Not accepting applications

**Minimum Total Hours:** 36  
**Program Level:** Specialist  
**Program Status:** Inactive

**CIP Code:** 13.0301  
**Dept Code:** CNL  
**Program (Major/College):** CUR ED  
**Concentration Code:** SHA

#### CONTACT INFORMATION

**College:** Education  
**Department:** Adult, Career & Higher Education

**Program Coordinator:** Robert Sullins  
**Other Contact:** N/A  
**Phone:** 813-974-3455  
**Fax:** 813-974-3366  
**Email:** [highered@tempest.coedu.usf.edu](mailto:highered@tempest.coedu.usf.edu)  
**Web Address:** <http://www.coedu.usf.edu/main/departments/ache/he/he.html>

**Mailing Address:**  
 University of South Florida  
 College of Education  
 Adult, Career and Higher Education  
 4202 E. Fowler Avenue EDU162  
 Tampa FL 33620

**Inactive.** Currently, students are not being admitted to this program.

## HIGHER EDUCATION, COMMUNITY COLLEGE TEACHING CONCENTRATION

### Education Specialist (Ed.S.) Degree in the Curriculum and Instruction Program With a concentration in Higher Education, Community College Teaching

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	Not accepting applications
<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Specialist
<b>Program Status:</b>	Inactive
<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	SCT

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Adult, Career & Higher Education
<b>Program Coordinator:</b>	Robert Sullins
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-3455
<b>Fax:</b>	813-974-3366
<b>Email:</b>	<a href="mailto:highered@tempest.coedu.usf.edu">highered@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/main/departments/ache/he/he.html">http://www.coedu.usf.edu/main/departments/ache/he/he.html</a>

**Mailing Address:**  
University of South Florida  
College of Education  
Adult, Career and Higher Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

**Inactive.** Currently, students are not being admitted to this program.

## HIGHER EDUCATION, ADMINISTRATION CONCENTRATION

### Doctor of Philosophy (Ph.D.) Degree in the Curriculum and Instruction Program With a concentration in Higher Education, Administration

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours:</b>	81-84
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	DHA

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Adult, Career & Higher Education
<b>Program Coordinator:</b>	Robert Sullins
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-3455
<b>Fax:</b>	813-974-3366
<b>Email:</b>	<a href="mailto:highered@tempest.coedu.usf.edu">highered@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/main/departments/ache/he/he.html">http://www.coedu.usf.edu/main/departments/ache/he/he.html</a>
<b>Mailing Address:</b>	University of South Florida College of Education Adult, Career and Higher Education 4202 E. Fowler Avenue EDU162 Tampa FL 33620

#### PROGRAM INFORMATION

##### Program Description

The Higher Education Administration program is a research degree that prepares individuals interested in teaching, research, and policy positions in both community colleges and universities.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below. Admission to either of the Ph.D. programs in Higher Education is based on a holistic evaluation of the applicant's demonstrated potential to successfully complete all of the course and research requirements of the specific degree programs

The program faculty will consider each applicant in light of his or her qualifications and likelihood of success, first by reviewing the submitted materials and then through a personal interview for candidates who meet all other criteria. Applications are considered on a continuous basis throughout the year, although the offering of courses favors fall semester for initial registration. The faculty employ a holistic approach to the admissions consideration, taking into account all of the information and balancing test scores, previous grade point averages,

recommendations, professional experiences and successes, etc. However, the program faculty give preference to candidates presenting:

1. A masters degree from a regionally accredited university with 3.5 GPA on a 4.0 scale at the Master's level and a 3.0 for upper division coursework completed in the Baccalaureate degree.
2. Strong overall GRE scores having no more than one sub-test score below the 33<sup>rd</sup> percentile. If a score in one area is low the other should be considerably higher; In Some instances, GMAT, LSAT or MCAT scores may be substituted for the GRE.
3. Significant successful professional experiences related to the academic program and professional goals of the applicant;
4. Demonstrated commitment to personal and professional growth and development and to the completion of the rigorous course and research demands of the program;
5. Excellent academic, analytical and communication skills.
6. A current professional vita or resume:



7. A clear and detailed statement of professional and personal goals describing the reasons that earning the doctorate is important to those goals;
8. Three letters of recommendation from former professors or supervisors who will attest to the applicant's likelihood of success in the doctoral program;
9. Official transcripts from previous educational institutions;

In exceptional cases, students not meeting these criteria may submit additional or alternative documentation of their potential for success in doctoral level studies.

#### Admission Program Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

#### DEGREE PROGRAM REQUIREMENTS

Students in the Ph.D. program in the College of Education must complete a residency requirement during which time the student must enroll for at least nine semester hours during any two semesters within a 12-month time frame. During the semesters of residency, the student should not be employed more than 50% of the time.

**Program of Study:** 81-84 credit hours minimum

Core (3 courses) 9 hrs

**Higher Education Administration Concentration** (6 Courses) 18-19 hrs  
Cognate (3 or 4 courses) 12 hrs

**Statistics/Measurement/Research Design:** 12 credit hours

**Psychological and Social Foundations** (2 courses) 6-8 credit hours

**Dissertation** (EDH 7980): 24 credit hours  
Refer to College listing for additional information.

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

<http://www.coedu.usf.edu/main/departments/ache/courses.html>

## HIGHER EDUCATION, COMMUNITY COLLEGE TEACHING CONCENTRATION

### Doctor of Philosophy (Ph.D.) Degree in the Curriculum and Instruction Program With a concentration in Higher Education, Community College Teaching

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours:</b>	75-81
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	DCC

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Adult, Career & Higher Education
<b>Program Coordinator:</b>	Robert Sullins
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-3455
<b>Fax:</b>	813-974-3366
<b>Email:</b>	<a href="mailto:highered@tempest.coedu.usf.edu">highered@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/main/departments/ache/he/he.html">http://www.coedu.usf.edu/main/departments/ache/he/he.html</a>
<b>Mailing Address:</b>	University of South Florida College of Education Adult, Career and Higher Education 4202 E. Fowler Avenue EDU162 Tampa FL 33620

#### PROGRAM INFORMATION

##### Program Description

The Higher Education Administration program is a research degree that prepares individuals interested in teaching, research, and policy positions in both community colleges and universities.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Admission Program Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

The program faculty give preference to candidates presenting:

1. A masters degree from a regionally accredited university with 3.5 GPA on a 4.0 scale at the Master's level and a 3.0 upper division coursework completed in the Baccalaureate degree.

2. Strong overall GRE scores having no more than one sub-test score below the 33<sup>rd</sup> percentile. If a score in one area is low the other should be considerably higher. In some instances, GMAT, LSAT or MCAT scores may be substituted for the GRE.
3. Demonstrated commitment to personal and professional growth and development and to the completion of the rigorous course and research demands of the program;
4. Excellent academic, analytical and communication skills;
5. A current professional vita or resume;
6. A clear and detailed statement of professional and personal goals describing the reasons that earning the doctorate is important to those goals;
7. three letters of recommendation from former professors or supervisors who will attest to the applicant's likelihood of success in the doctoral program:

In exceptional cases, students not meeting these criteria may submit additional or alternative documentation of their potential for success in doctoral level studies.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html><sup>1</sup>

The program faculty will consider each applicant in light of his or her qualifications and likelihood of success, first by reviewing the submitted materials and then through a personal interview for candidates who meet all other criteria. Applications are considered on a rolling basis throughout the year, although the offering of courses favors fall semester for initial registration. The faculty employ a holistic approach to the admissions consideration, taking into account all of the information and balancing test scores, previous grade point averages, recommendations, professional experiences and successes, etc

## DEGREE PROGRAM REQUIREMENTS

Students in the Ph.D. program in the College of Education must complete a residency requirement during which time the student must enroll for at least nine semester hours during any two semesters within a 12-month time frame. During the semesters of residency, the student should not be employed more than 50% of the time.

**Program of Study: 81 hours minimum**  
**Core (3 courses)** 9 hrs  
**Concentration (6 Courses)** 18 hours  
**Cognate Area:** 12 hours  
**Statistics/Measurement/Research Design:** 12 credit hours  
**Psychological and Social Foundations** (2 courses) 6-8 credit hours  
**Dissertation (EDH 7980):** 24 credit hours  
 Refer to College listing for additional information.

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria

## COURSES

<sup>1</sup> Older official GRE scores (in a sealed envelope from the Educational Testing Service or recorded on an official transcript) may be used in lieu of more recent scores at the discretion of the program. In Some instances, GMAT, LSAT or MCAT scores may be substituted for the GRE.

See <http://www.ugs.usf.edu/sab/sabs.cfm>

<http://www.coedu.usf.edu/main/departments/ache/courses.html>

## HUMAN RESOURCE DEVELOPMENT CONCENTRATION

### Master of Arts (M.A.) Degree in the **Adult Education Program** With a concentration in **Human Resource Development**

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.1201
<b>Dept Code:</b>	LEA
<b>Program (Major/College):</b>	AAE ED
<b>Concentration Code:</b>	HRD

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Adult, Career & Higher Education
<b>Program Coordinator:</b>	Suzanne Kirkman
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-1972
<b>Fax:</b>	813-974-3366
<b>Email:</b>	<a href="mailto:adulded@coedu.usf.edu">adulded@coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/main/departments/ache/ade/ade.html">http://www.coedu.usf.edu/main/departments/ache/ade/ade.html</a>
<b>Mailing Address:</b>	University of South Florida College of Education Adult, Career and Higher Education 4202 E. Fowler Avenue EDU162 Tampa FL 33620

#### PROGRAM INFORMATION

##### Program Description

The Adult Education program provides professional development opportunities to individuals concerned with the learning of adults. It includes courses and experiences for persons employed in or intending to enter adult education as a field of study. This degree is intended to help individuals work with adult learners in a wide variety of school and non-school settings. It is intended for holders of a non-education baccalaureate degree who do not wish to meet teacher certification requirements in the State of Florida. This Adult Education degree is a Plan III, non-certification option.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

Contact the program for information.

#### DEGREE PROGRAM REQUIREMENTS

Contact program for information.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## INDUSTRIAL ARTS - TECHNOLOGY EDUCATION CONCENTRATION

Master of Education (M.Ed.) Degree in the **Curriculum and Instruction Program**  
With a concentration in **Industrial Arts-Technology Education**

---

### DEGREE INFORMATION

**Program Admission Deadlines:**  
Not accepting applications

**Minimum Total Hours:** 33  
**Program Level:** Masters  
**Program Status:** Inactive

**CIP Code:** 13.0301  
**Dept Code:** CNI  
**Program (Major/College):** CUR ED  
**Concentration Code:** CIT

### CONTACT INFORMATION

**College:** Education

**Department:**

**Program Coordinator:** n/a

**Other Contact:** N/A

**Phone:** n/a

**Fax:** n/a

**Email:** N/A

**Web Address:**

<http://www.coedu.usf.edu/main/departments/ache/he/he.html>

**Mailing Address:**

University of South Florida  
College of Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

---

**Inactive.** Currently, students are not being admitted to this program.

## INSTRUCTIONAL TECHNOLOGY CONCENTRATION

### Master of Education (M.Ed.) Degree in the Curriculum and Instruction Program With a concentration in Instructional Technology

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours:</b>	37-38
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	CCO

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Secondary Education
<b>Program Coordinator:</b>	Frank Breit
<b>Other Contact:</b>	
<b>Phone:</b>	813-974-1632
<b>Fax:</b>	813-974-3837
<b>Email:</b>	<a href="mailto:Breit@tempest.coedu.usf.edu">Breit@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/it/curriculum/M.Ed/section1.html">http://www.coedu.usf.edu/it/curriculum/M.Ed/section1.html</a>
<b>Mailing Address:</b>	
	University of South Florida
	College of Education
	4202 E. Fowler Avenue EDU162
	Tampa FL 33620

#### PROGRAM INFORMATION

##### Program Description

The M.Ed. in Instructional Technology is intended for students interested in working as instructional designers/developers in industry or academic environments.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Admission Program Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

In addition the applicant must:

Have an undergraduate grade point average of "B" (3.0 on a 4.0 scale) average or higher as an upper division in the Baccalaureate degree, or the international equivalent.

**OR**

Have successfully completed a graduate certificate in instructional technology with a grade point average of 3.5 or better and an undergraduate grade point average of at

least 2.75 on a 4.0 scale as an upper division undergraduate student, or the international equivalent.

**OR**

Have completed a prior graduate degree from a regionally accredited institution, or international equivalent with a grade point average of 3.5 or higher.

**OR**

Submit official GRE scores with the following minimums: scores V:430 , Q:570, and AW:4.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>.

##### DEGREE PROGRAM REQUIREMENTS

The M.Ed. in Instructional Technology is 37-38 semester hours in length and consists of 12 courses; 7 courses in the major area of Instructional Technology and 5 courses in Educational Foundations.

##### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm> and <http://www.coedu.usf.edu/it/curriculum.cfm>

## INSTRUCTIONAL TECHNOLOGY CONCENTRATION

### Education Specialist (Ed. S.) Degree in the Curriculum and Instruction Program With a concentration in Instructional Technology

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Specialist
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	SIT

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Secondary Education
<b>Program Coordinator:</b>	Ann Barron
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-1631
<b>Fax:</b>	813-974-3837
<b>Email:</b>	<a href="mailto:Barron@usf.edu">Barron@usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/IT/">http://www.coedu.usf.edu/IT/</a>

**Mailing Address:**  
University of South Florida  
College of Education  
Secondary Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

#### PROGRAM INFORMATION

This program is designed to prepare students for leadership in technology related positions. Courses include an array of topics including instructional design, distance learning, authoring, instructional graphics, and project management.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of Colleges and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

#### Program Admission Requirements

Program may have additional admission requirements. Check with the program coordinator before applying.

#### Applicants should:

1. Meet all general requirements for the College of Education and the University Graduate Admissions Office.
2. Hold a Master's degree from a regionally accredited institution of higher education.
3. Provide two favorable academic and professional recommendations (submitted to the program coordinator)

In addition the applicant must:

Have a graduate degree from a regionally accredited institution, or international equivalent, with a grade point average of 3.5 or higher.

**OR**

Have successfully completed a graduate certificate in instructional technology with a grade point average of 3.5 or better and an undergraduate grade point average of at least 3.0 on a 4.0 scale as an upper division undergraduate student, or the international equivalent.

**OR**

Have completed a prior graduate degree from a regionally accredited institution, or international equivalent with a grade point average of 3.5 or higher.

**OR**

Submit official GRE with the following minimums: V:430, Q:570, and AW:4.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with

program regarding the policy on evaluation of transcripts.  
For more information, please visit  
<http://admissions.grad.usf.edu/international.html>

#### **DEGREE PROGRAM REQUIREMENTS**

The Ed.S. in Curriculum and Instruction with a concentration in Instructional Technology is 36 semester hours in length. Entering students must hold a Master's degree from a regionally accredited institution of higher education. See <http://www.coedu.usf.edu/IT> for more details.

Specialization Coursework	27 hours
Thesis	9 hours

#### **COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>



## INSTRUCTIONAL TECHNOLOGY CONCENTRATION

### Doctor of Philosophy (Ph.D.) Degree in the Curriculum and Instruction Program With a concentration in Instructional Technology

#### DEGREE INFORMATION

**Program Admission Deadlines\*:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	75-81
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	DIT

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Secondary Education
<b>Program Coordinator:</b>	James. A. White
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-1629
<b>Fax:</b>	813-974-3837
<b>Email:</b>	<a href="mailto:jwhite@tempest.coedu.usf.edu">jwhite@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/it/">http://www.coedu.usf.edu/it/</a>

**Mailing Address:**  
University of South Florida  
College of Education  
Secondary Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

*\*note IT admission deadline information below*

#### PROGRAM INFORMATION

**Program Description**

Instructional Technology is the theory and practice of design, development, utilization, management and evaluation processes and resources for learning.” (Seels&Richey, 1994, p.9). The USF Ph.D. in Instructional Technology is designed to prepare scholars for leadership roles in colleges, universities, corporations, the military, and other venues where research, development, and implementation of technology-based instructional methods and materials take place.

Seels, B. Richey, R. (1994). *Instructional Technology: The definition and domains of the field*. Washington DC: Association for Educational Communications & Technology (AECT).

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**Major Research Areas:** See <http://www.coedu.usf.edu/it/>

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

In order to be admitted to the program, students must have the following minimum qualifications: (full details at <http://www.coedu.usf.edu/it/PhD/phd.html>) Meet all general requirements for the College of Education.

1. A Master’s degree from a regionally accredited institution of higher education (or international equivalent).
2. An undergraduate grade point average of 3.0 on a 4.0 scale in upper division level coursework in the Baccalaureate degree or a GPA of 3.5 at the Master’s level.
3. Three favorable academic and professional recommendations (submitted to the program coordinator, or the Coordinator of Graduate Studies for the department; and,
4. Favorable recommendation to the Graduate School by the Department of Secondary Education.

In addition, all applicants must meet the following IT program-specific requirements:

1. Hold a Master’s degree in a field related to IT
2. Submit strong, Graduate Record Examination Verbal, Quantitative, & Analytical Writing sub-scores. (Means among current active students are greater than V:450, Q:600, & AW:4.5)
3. Provide an appropriate written statement of Personal and Professional Goals
4. Provide a Curriculum Vita (CV) that documents professional experiences related to teaching and learning

5. Demonstrate personal and ready access to sophisticated computing equipment
6. If GRE taken before October, 2002 provide a copy of the Master's thesis. (If the Master's program did not require a thesis, retake the GRE.)
7. Demonstrate substantial expertise in areas of Instructional Technology (see program website).

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

### **IT PROGRAM DEADLINES**

Admissions are made for the fall and spring semesters only. The selection process is competitive.

**FALL:** international applicants and domestic applicants seeking financial support must apply by the international admissions deadline of January 2<sup>nd</sup>. Domestic applicants who do not seek financial support must apply by the general USF domestic application deadline of March 15<sup>th</sup>.

**SPRING:** Applicants seeking financial support should not apply for spring admission. All other international applicants must apply by the general USF domestic application deadline.

### **DEGREE PROGRAM REQUIREMENTS**

See <http://www.coedu.usf.edu/it/PhD/>

### **COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## INTERDISCIPLINARY EDUCATION CONCENTRATION

### Master of Education (M.Ed.) Degree in the Curriculum and Instruction Program With a concentration in Interdisciplinary Education

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
Not accepting applications.

**Minimum Total Hours:** 33  
**Program Level:** Masters  
**Program Status:** Inactive

**CIP Code:** 13.0301  
**Dept Code:** CNI  
**Program (Major/College):** CUR ED  
**Concentration Code:** CIE

#### CONTACT INFORMATION

**College:** Education  
**Department:** Interdisciplinary  
**Program Coordinator:** Erwin Johanningermeier  
**Other Contact:** N/A  
**Phone:** 974-9471  
**Fax:** n/a  
**Email:** N/A  
**Web Address:** <http://www.coedu.usf.edu>

**Mailing Address:**  
 University of South Florida  
 College of Education  
 Department of Psychological and Social Foundations  
 4202 E. Fowler Avenue EDU162  
 Tampa FL 33620

---

**Inactive.** Currently, no students are being admitted to this program.

## INTERDISCIPLINARY EDUCATION CONCENTRATION

### Education Specialist (Ed.S.) Degree in the Curriculum and Instruction Program With a concentration in Interdisciplinary Education

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Specialist
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	SIE

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Interdisciplinary
<b>Program Coordinator:</b>	Erwin Johanningmeier
<b>Other Contact:</b>	813-974-3246
<b>Phone:</b>	813-974-9495
<b>Fax:</b>	813-974-5814
<b>Email:</b>	<a href="mailto:Johannin@tempest.coedu.usf.edu">Johannin@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

##### Mailing Address:

University of South Florida  
College of Education  
4202 E. Fowler Avenue EDU162  
Department of Psychological and Social Foundations  
Tampa FL 33620

#### PROGRAM INFORMATION

##### Program Description

The purpose of the Interdisciplinary track is to provide opportunities for those students who have educational backgrounds and interests that span a variety of disciplines that may include work outside as well as inside the College of Education. Students who have the ability and desire to integrate study and research among several departments/programs are encouraged to apply to the Interdisciplinary track.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**Major Research Areas:** consult program coordinator

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

##### Admission Requirements

1. Satisfy the general College and university admission requirements as specified for the Ed. S. Degree in the current USF graduate catalog.

It is expected that applicants will have:

- Taken the GRE and have the following scores: Verbal, 500; Quantitative, 600 and Analytical 4.5.
- An earned master's degree from a regionally accredited institution of higher education or its international equivalent.
- A grade point average (GPA) of at least 3.5 for the master's degree.
- Three letters of recommendation

Copies of transcripts and the record of GRE scores should be presented to the Interdisciplinary Program Coordinator before proceeding to meet the other requirements. The recommendation letters should be sent to the Program Coordinator

2. Articulate in a clearly written statement the scope and rationale for the proposed program of study and research.
3. Ed. S. students need to identify a fully credentialed College faculty member who is willing to serve as major professor.
4. In consultation with the major professor, form an Ed. S. Committee in accordance with the College policies stated in the College's **Graduate Handbook: Policies and Procedures**.
5. With the advice and approval of the Ed.,S. Committee, submit a Planned Program of Study to the Interdisciplinary Program Coordinator.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

#### **DEGREE PROGRAM REQUIREMENTS**

Consult with the program coordinator prior to applying.

#### **COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## INTERDISCIPLINARY EDUCATION CONCENTRATION

### Doctor of Philosophy (Ph.D.) Degree in the Curriculum and Instruction Program With a concentration in Interdisciplinary Education

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	75-81
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	DIE

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Interdisciplinary
<b>Program Coordinator:</b>	Erwin Johanningmeier
<b>Other Contact:</b>	813-974-3246
<b>Phone:</b>	813-974-9495
<b>Fax:</b>	813-974-5814
<b>Email:</b>	<a href="mailto:Johannin@tempest.coedu.usf.edu">Johannin@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

##### Mailing Address:

University of South Florida  
College of Education  
4202 E. Fowler Avenue EDU162  
Department of Psychological and Social Foundations  
Tampa FL 33620

#### PROGRAM INFORMATION

##### Program Description

The purpose of the Interdisciplinary track in the Ph.D. degree is to provide opportunities for those students who have educational backgrounds and interests that span a variety of disciplines that may include work outside as well as inside the College of Education. Students who have the ability and desire to integrate study and research among several departments/programs are encouraged to apply to the Interdisciplinary track.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**Major Research Areas:** consult program coordinator

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

##### Admission Requirements

1. Satisfy the general College and university admission requirements as specified for the

Ph.D. Degree in the current USF graduate catalog.

It is expected that applicants will have:

- taken the GRE and have the following scores: Verbal, 500; Quantitative, 600 and Analytical 4.5.
- An earned master's degree from a regionally accredited institution of higher education or its international equivalent.
- A grade point average (GPA) of at least 3.5 for the master's degree.
- Three letters of recommendation

Copies of transcripts and record of GRE scores should be presented to the Interdisciplinary Program Coordinator before proceeding to meet the other requirements. The recommendation letters should be sent to the Program Coordinator

2. Articulate in a clearly written statement the scope and rationale for the proposed program of study and research.
3. Ph.D. students need to identify a fully credentialed College faculty member who is willing to serve as major professor.
4. In consultation with the major professor, form a Doctoral Committee in accordance with the College policies stated in the College's **Graduate Handbook: Policies and Procedures.**

5. With the advice and approval of the Doctoral Committee, submit a Planned Program of Study to the Interdisciplinary Program Coordinator.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

### **DEGREE PROGRAM REQUIREMENTS**

Consult with the program coordinator prior to applying.

### **COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## INTERDISCIPLINARY EDUCATION, SECOND LANGUAGE ACQUISITION CONCENTRATION

**Doctor of Philosophy (Ph.D.) Degree in the Curriculum and Instruction Program  
With a concentration in Interdisciplinary Education, Second Language Acquisition**

### DEGREE INFORMATION

**Program Admission Deadlines:**  
Not accepting applications.

**Minimum Total Hours:** 75-81  
**Program Level:** Doctoral  
**Program Status:** Inactive

**CIP Code:** 13.0301  
**Dept Code:** CNI  
**Program (Major/College):** CUR ED  
**Concentration Code:** DSL

**Also see:** Second Language Acquisition/  
Instructional Technology (SLAIT)  
listing

### CONTACT INFORMATION

**College:** Education  
**Department:** Psychological and  
Social Foundations

**Program Coordinator:** N/A  
**Other Contact:** N/A  
**Phone:** N/A  
**Fax:** N/A  
**Email:** N/A  
**Web Address:** <http://www.coedu.usf.edu>

**Mailing Address:**  
University of South Florida  
College of Education  
4202 E. Fowler Avenue EDU162  
Department of Psychological and Social Foundations  
Tampa FL 33620

**Inactive.** This degree program is available under Second Language Acquisition (Ph.D.) It is no longer available as a part of the Interdisciplinary track.



## MATHEMATICS EDUCATION PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Inactive

<b>CIP Code:</b>	13.1311
<b>Dept Code:</b>	EDI
<b>Program (Major/College):</b>	AMA EJ

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Secondary Education
<b>Program Coordinator:</b>	Richard Austin
<b>Other Contact:</b>	Denisse Thompson
<b>Phone:</b>	813-974-2852
<b>Fax:</b>	813-974-3837
<b>Email:</b>	<a href="mailto:Austin@tempest.coedu.usf.edu">Austin@tempest.coedu.usf.edu</a> <a href="mailto:Thompson@tempest.coedu.usf.edu">Thompson@tempest.coedu.usf.edu</a>

**Web Address:**  
<http://www.coedu.usf.edu/mathed/default.htm>

**Mailing Address:**  
University of South Florida  
College of Education  
Secondary Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

**Inactive.** Currently not accepting applications.

#### PROGRAM INFORMATION

##### Program Description

This degree is designed primarily for secondary school teachers desiring to improve their skills in the teaching of mathematics to secondary students,

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Admission Requirements:

##### MA Plan I

Meet one of the following criteria:

1. Shall have earned a "B" (3.0 on a 4.0 scale) average or better in all upper division level undergraduate coursework in the baccalaureate degree.

OR

2. Shall have GRE scores of 450 verbal and 550 quantitative or higher taken within five years
2. Certification in mathematics education (Include copy of your Florida State Teaching Certification with your application. Temporary Certificates are not acceptable.)

**Plan II** Inactive.

##### MA Plan III

1. A bachelor's degree or equivalent from a regionally accredited university or its international equivalent.
2. Meet one of the following criteria:

Shall have earned a "B" (3.0 on a 4.0 scale) average or better in all upper division level undergraduate coursework

Or

Shall have GRE scores of 450 verbal and 550 quantitative or higher, taken within five years.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of

transcripts. For more information, please visit <http://admissions.grad.usf.edu/international> .html.

### DEGREE PROGRAM REQUIREMENTS

#### **Plan I Option**

Process Core: (minimum of 9 hours)

EDF 6432

EDF 6481

EDF 6211 or EDF 6215

#### Current Trends:

MAE 6136 Current Trends in Secondary School  
Mathematics

Elective: 3 hours of mathematics education

Specialization: 18 hours minimum

Graduate level mathematics courses to be approved by the student's advisor.

#### **Comprehensive Examination**

The comprehensive examination will consist of a written and/or oral examination in the concentration area.

**A Plan III option** is available for individuals who are neither certified nor desire certification.

**The Master of Arts in Teaching (M.A.T.)** in Mathematics Education Degree program is currently available at the middle grades (5-9) level and under development for secondary grades (6-12). Please check the Mathematics Education website for an update as well as other sections of this catalog.

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria

### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## MATHEMATICS EDUCATION PROGRAM (5-9)

### Master of Arts in Teaching (M.A.T.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	46
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.1311
<b>Dept Code:</b>	EDI
<b>Program (Major/College):</b>	TMA ED

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Secondary Education
<b>Program Coordinator:</b>	Helen Gerretson
<b>Phone:</b>	813-974-2171
<b>Fax:</b>	n/a
<b>Email:</b>	<a href="mailto:Gerretso@tempest.coedu.usf.edu">Gerretso@tempest.coedu.usf.edu</a>

##### Mailing Address:

University of South Florida  
College of Education  
Secondary Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

#### PROGRAM INFORMATION

The M.A.T. in Middle Grades Mathematics Education (5-9) is designed for individuals seeking initial certification to teach mathematics at the middle grades level.

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida Department of Education program approval standards, and accreditation criteria.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Admissions Requirements include:

1. A bachelor's degree or equivalent from a regionally accredited university or its international equivalent
2. Have an earned minimum grade point average of 3.0 on a 4.0 scale average or higher in all upper division level undergraduate coursework taken in the baccalaureate degree  
OR  
Shall have GRE scores of 450 Verbal and 550 Quantitative or higher taken within five years
3. Meet one of the following criteria:

Have passed the Florida Subject Area Exam in Mathematics 5-9

Or

Have completed at least 18 credit hours in mathematics at the level of college algebra.

4. Demonstrate mastery of general knowledge including the ability to read, write, and compute by passing the Florida General Knowledge Test (GKT) or College Level Academic Skills Test (CLAST), if taken and passed prior to July 1, 2004. For graduate level teacher preparation programs, GRE scores of 450 verbal and 550 quantitative or higher, taken within the last 5 years may be accepted in lieu of GKT or CLAST.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>.

#### DEGREE PROGRAM REQUIREMENTS

Educational Core – 12 hrs.  
Mathematics Coursework – 15 hrs. minimum  
Mathematics Education Coursework – 13 hrs.  
Internship – 6 hrs

A comprehensive exam/final project is also required.

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

**COURSES**

See <http://www.ugs.usf.sab/sabs.cfm> and <http://www.coedu.usf.edu/main/departments/seced/MAT/mathmidprogram.html>

**OTHER INFORMATION**

For further information about the program, check the website

<http://www.coedu.usf.edu/MathEd/default.htm>

**Mathematics Education Program (6-12)**

Please refer to Secondary Mathematics (6-12) for specific information

## MATHEMATICS EDUCATION CONCENTRATION

### Master of Education (M.Ed.) Degree in the Curriculum and Instruction Program With a concentration in Mathematics Education

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	CMA

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Secondary Education
<b>Program Coordinator:</b>	Richard Austin
<b>Other Contact:</b>	Denisse Thompson
<b>Phone:</b>	813-974-2852
<b>Fax:</b>	813-974-3837
<b>Email:</b>	<a href="mailto:Austin@tempest.coedu.usf.edu">Austin@tempest.coedu.usf.edu</a> <a href="mailto:Thompson@tempest.coedu.usf.edu">Thompson@tempest.coedu.usf.edu</a>

##### Mailing Address:

University of South Florida  
College of Education  
Secondary Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

#### PROGRAM INFORMATION

##### Program Description

The M.Ed. degree in Curriculum and Instruction is a flexible program intended to improve the skills of the classroom teacher. The program will be planned with the student's advisor. At least 60 percent of the program hours must be at the 6000 level.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent. Admission Requirements include:

1. A bachelor's degree or equivalent from a regionally accredited university or its international equivalent
2. Certification in Mathematics (Include a copy of your Florida State Teaching Certificate)
3. Verification of at least two years of successful pre-college teaching
4. Meet one of the following criteria:  
Shall have earned a "B" (3.0 on a 4.0 scale) average or higher in all upper division level undergraduate coursework  
OR

Shall have GRE scores of 450 verbal and 550 quantitative or higher, taken within five years.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit

<http://admissions.grad.usf.edu/international.html>

#### DEGREE PROGRAM REQUIREMENTS

##### Process Core (12 hours minimum):

EDF 6432  
EDF 6481  
EDF 6211 or EDF 6215  
EDF 6517 or EDF 6544 or EDF 6606

**Curriculum and Instruction:** EDG 6627 (3 hours)

**Concentration/Specialization:** At least 18 hours to include courses in content and/or the teaching of this content to be planned with the student's advisor. MAE 6136, Curriculum Trends in Secondary Education, must be included within the 18 hours of specialization.

A **comprehensive examination** is required at the end of the program.

**COURSES** - See <http://www.ugs.usf.edu/sab/sabs.cfm>

## MATHEMATICS EDUCATION CONCENTRATION

### Education Specialist (Ed.S.) Degree in the Curriculum and Instruction Program With a concentration in Mathematics Education

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Specialist
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	SMA

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Secondary Education
<b>Program Coordinator:</b>	Gladis Kersaint
<b>Other Contact:</b>	Denisse Thompson
<b>Phone:</b>	813-974-1644 or 813-974-2687
<b>Fax:</b>	813-974-3837
<b>Email:</b>	<a href="mailto:Kersaint@tempest.coedu.usf.edu">Kersaint@tempest.coedu.usf.edu</a> or <a href="mailto:Thompson@tempest.coedu.usf.edu">Thompson@tempest.coedu.usf.edu</a>

**Web Address:**  
[www.coedu.usf.edu/MathEd/default.htm](http://www.coedu.usf.edu/MathEd/default.htm)

**Mailing Address:**  
University of South Florida  
College of Education  
Secondary Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

#### PROGRAM INFORMATION

##### Program Description

The Ed.S. Degree in Curriculum and Instruction with concentration in Mathematics Education prepares specialists for classroom instruction or leadership/supervisory roles.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Admissions Requirements include:

- Submit official GRE scores. Scores of 600 on the quantitative portion and 475 on the verbal portion are expected.
- An earned a "B" (3.0 on a 4.0 scale) average or higher in all work attempted while registered as an upper division student in the Baccalaureate degree, or a 3.5 grade point at the Master's level.
- Proof of educational or professional experience

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

#### DEGREE PROGRAM REQUIREMENTS

The Ed.S. program is highly individualized. Within the program structure, candidates' programs are planned on the basis of previous educational and professional experience and future goals. The program of study must be approved by a faculty committee.

The program of study requires a minimum of 15 hours of specialization in mathematics education and/or mathematics., 12 hours in professional education, and a minimum of nine (9) hours towards a thesis/project. A comprehensive exam is also required.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## MATHEMATICS EDUCATION CONCENTRATION

### Doctor of Philosophy (Ph.D.) Degree in the Curriculum and Instruction Program With a concentration in Mathematics Education

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
**Fall:** March 15  
**Spring:** October 15  
**Summer:** March 1

**Minimum Total Hours:** 75-81  
**Program Level:** Doctoral  
**Program Status:** Active

**CIP Code:** 13.0301  
**Dept Code:** CNI  
**Program (Major/College):** CUR ED  
**Concentration Code:** DMA

#### CONTACT INFORMATION

**College:** Education  
**Department:** Secondary Education  
**Program Coordinator:** Gladis Kersaint  
**Other Contact:** n/a  
**Phone:** 813-974-1644  
**Fax:** 813-974-3837  
**Email:** [Kersaint@tempest.coedu.usf.edu](mailto:Kersaint@tempest.coedu.usf.edu)  
**Web Address:** [www.coedu.usf.edu/MathEd/default.htm](http://www.coedu.usf.edu/MathEd/default.htm)

**Mailing Address:**  
 University of South Florida  
 College of Education  
 Secondary Education  
 4202 E. Fowler Avenue EDU162  
 Tampa FL 33620

#### PROGRAM INFORMATION

The doctoral program with emphasis in curriculum and instruction, with concentration in mathematics education, is a research degree that prepares individuals interested in research, teacher education, and leadership roles. Specifically, the program aims to prepare individuals who are able to do the following: be leaders in mathematics education at the local, state, and national levels; conduct sound research on issues related to the teaching and learning of mathematics and to disseminate that research in appropriate forums; employ sound teaching that contributes to standards-based mathematics education reform; support practicing K-12 professionals in their innovations in mathematics education; and support the preparation of future mathematics educators at all levels, but particularly at the K-12 levels.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**Major Research Areas:** Curriculum development and research, teaching and teacher development, assessment, technology.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent. Admissions Requirements include:

1. Submit official GRE scores taken within the last 5 years. Scores of 600 on the quantitative portion and 475 on the verbal portion are expected.
2. Shall have earned a "B" (3.0 on a 4.0 scale) average or higher in all work attempted while registered as an upper division student in the Baccalaureate degree, or a 3.5 grade point at the Master's level.
3. Proof of educational or professional experience at the secondary or community college level

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

#### DEGREE PROGRAM REQUIREMENTS

##### Mathematics Education Concentration (21 hours)

MAE 7655 Research Issues in Technology  
 MAE 7146 Curriculum History and Research  
 MAE 7794 Preparing K-12 Math Teachers  
 MAE 7796 Research Issues  
 MAE 7138 Assessment Issues  
 MAE 7945 Practicum (must be taken twice)

**Research Core** (15 hours)

EDF 6407 Statistical Analysis for Research I  
EDF 7408 Statistical Analysis for Research II  
EDF 7477 Qualitative Research I  
EDF 7478 Qualitative Research II  
EDF 7410 Research Design

**Education Core** (9 hours)

ESE XXXX Teaching and Learning in the Content Area  
(under development)  
EEX 7743 Philosophies of Scholarly Inquiry  
EDF 7146 Cognitive Issues in Instruction

**Cognate** (12 hours)

These courses are based on individual student interests,  
and should be taken at the 6000 level.

**Doctoral Qualifying Exam** (must be passed to be  
admitted to candidacy)

**Residency Requirement** (2 consecutive semesters of  
fulltime study in a 12 month period)

**Dissertation** (Minimum 24 hours)

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>



## MEASUREMENT AND EVALUATION CONCENTRATION

### Master of Education (M.Ed.) Degree in the Curriculum and Instruction Program With a concentration in Measurement and Evaluation

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	42
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	CME

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Educational Measurement and Research
<b>Program Coordinator:</b>	John Ferron
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-3220
<b>Fax:</b>	813-974-4495
<b>Email:</b>	<a href="mailto:Kromrey@tempest.coedu.usf.edu">Kromrey@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">www.coedu.usf.edu</a>

#### Mailing Address:

University of South Florida  
College of Education  
Educational Measurement and Research  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

#### PROGRAM INFORMATION

##### Program Description

This degree program is designed to prepare mid-level testing and evaluation personnel for employment in school districts, government agencies, commercial test development companies, and program research and evaluation enterprises. The program prepares personnel with specialized skills in test construction, data analysis, program evaluation, and research design.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

In addition to meeting the USF admission requirements, the Department of Educational Measurement and Research has the following admission criteria for students applying to the M.Ed. program. Applicants must:

1. Have a bachelor's degree or equivalent from a regionally accredited university or international equivalent
2. Have earned a GPA of at least 3.0 on a 4.0 scale while an upper division student in a Baccalaureate degree

3. Submit official Graduate Record Examination (GRE) scores within five years preceding application
4. Have a minimum of two years relevant experience in education
5. Have three letters of recommendation from professionals who are familiar with their scholarship and work history
6. Demonstrate the ability to write professionally by submitting a scholarly paper completed as part of their prior coursework
7. Present self professionally in an oral interview with two or more faculty members
8. Write a statement of professional goals (immediate, intermediate, and long term) and research interests. Professional goals and research interests need to be compatible with the opportunities afforded through a degree in educational measurement and research
9. Receive endorsement by the majority of tenured and tenure earning faculty members in the department

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts.

For more information, please visit  
<http://admissions.grad.usf.edu/international.html>

## DEGREE PROGRAM REQUIREMENTS

Program of Study (42 hours)

Process Core (14 hours)

EDF 6432 (3)      EDF 6481 (3)  
 EDF 6215 (4)      EDF 6606 (4)

Concentration (9 hours)

EDG 6627 (3)      EDF 6492 (3)  
 EDF 6288 (3)

Specialization (19 hours)

EDF 6407 (4)      EDF 7408 (4)  
 EDF 7488 (2)      EME 6930 (3)  
 EDF 6446 (3)  
 EME Computer Elective (3)

Comprehensive Examination

## EDUCATIONAL MEASUREMENT AND RESEARCH COURSES

EDF 6407 STATISTICAL ANALYSIS FOR EDUCATIONAL RESEARCH I (4)

Theory and application of statistical procedures to problems in education: (1) Descriptive statistics, (2) Probability-sampling distributions, (3) Inferential statistics-interval estimation, tests of significance (z, t, F-one way ANOVA). Coordinated use of computer included.

EDF 6432 FOUNDATIONS OF MEASUREMENT (3)

Basic measurement concepts, role of measurement in education, construction of teacher-made objective tests and performance assessments, fundamental descriptive statistics for use in test interpretation, evaluation of standardized tests, and interpretation of standardized test score reports.

EDF 6446 DEVELOPMENT AND VALIDATION OF TESTS IN EDUCATION (3)

Design, construction, and validation of state-wide tests. Special emphasis on domain sampling, item response theory, item scaling, item fit, and constructing, maintaining, and updating item banks. (PR: EDF 6432, EDF 6407 or CI)

EDF 6481 FOUNDATIONS OF EDUCATIONAL RESEARCH (3)

Analysis of major types of educational research designs, including experimental, correlational, ex post facto and case studies. (PR: EDF 6432 or CI)

EDF 6492 APPLIED EDUCATIONAL PROGRAM EVALUATION (3)

Interpretation, and evaluation of standardized tests; survey development and use; program evaluation;

personnel evaluation; attitude assessment; and strategic planning.

EDF 7408 STATISTICAL ANALYSIS FOR EDUCATIONAL RESEARCH II (4)

Theory and application of statistical procedures to problems in education: (1) ANOVA-factorial; ANCOVA; (2) multiple correlation and regression -- a specific technique and a general approach to data analysis. Coordinated use of computer included. (PR: EDF 6407 or equiv. or CI)

EDF 7488 PROBLEMS IN EDUCATIONAL DATA ANALYSIS (2)

Strategies and techniques for data processing and quantitative analysis using statistical software, including data screening, transformation, diagnostic indices, and interpretation. (PR: EDF 7408 or CI)

## Courses Required from Other Departments

EDF 6215 LEARNING PRINCIPLES APPLIED TO INSTRUCTION (4)

Learning principles and their application to classroom instruction. (PR:CI)

EDF 6288 INSTRUCTIONAL DESIGN I (3)

Instructional design models/theories and their systematic application to instructional goals. (PR: EDF 6215 or CI)

EDF 6606 SOCIO-ECONOMIC FOUNDATIONS OF AMERICAN EDUCATION (4)

Socio-economic factors as they relate to the work of professional educators and the role of public education in American society.

EDG 6627 FOUNDATIONS OF CURRICULUM AND INSTRUCTION (3)

Introductory course in curriculum and instruction at the graduate level, basic to all specialized courses in the field. Emphasis on foundations, design, basic concepts, theory, and trends of curriculum from early childhood through secondary levels. Open to all graduate students. (PR: EDG 4620)

EME 6930 PROGRAMMING LANGUAGES FOR EDUCATION (3)

Development of concepts, strategies, and materials for using programming languages in educational settings. Separate sections will focus on different programming languages such as LOGO, BASIC, Hyperscripting, Pascal, Advanced Pascal. (PR: Computer literacy)

## COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## Other Information:

Program may have additional requirements. Please check with program before applying.

## MEASUREMENT AND EVALUATION CONCENTRATION

### Education Specialist (Ed. S.) Degree in the Curriculum and Instruction Program With a concentration in Measurement and Evaluation

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Specialist
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	SME

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Educational Measurement and Research
<b>Program Coordinator:</b>	Robert Dedrick
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-3220
<b>Fax:</b>	813-974-4495
<b>Email:</b>	<a href="mailto:Kromrey@tempest.coedu.usf.edu">Kromrey@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">www.coedu.usf.edu</a>

**Mailing Address:**  
University of South Florida  
College of Education  
Measurement and Research  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

#### PROGRAM INFORMATION

##### Program Description

The Ed. S. program prepares specialists for work in school districts, government agencies, commercial test development companies, and program research and evaluation enterprises.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For all admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

In addition to meeting the USF admission requirements, the Department of Educational Measurement and Research has the following admission criteria for students applying to the Ed. S. program. Applicants must:

1. Have a master's or educational specialist's degree or equivalent from a regionally accredited university or international equivalent.
2. Have earned a GPA of at least 3.0 on a 4.0 scale in upper division coursework while in a Baccalaureate degree, or a minimum

3. GPA of 3.5 on a 4.0 scale in graduate coursework
3. Submit an official Graduate Record Examination (GRE) score within five years preceding application
4. Have three letters of recommendation from professionals who are familiar with their scholarship and work history
5. Demonstrate the ability to write professionally by submitting a scholarly paper completed as a part of their prior coursework
6. Present self professionally in an oral interview with two or more faculty members
7. Write a statement of professional goals (immediate, intermediate, and long term) and research interests. Professional goals and research interests need to be compatible with the opportunities afforded through a doctoral degree in educational measurement and research
8. Receive endorsement by the majority of tenured and tenure earning faculty members in the department

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

## DEGREE PROGRAM REQUIREMENTS

This program requires 36 hours beyond the Master's Degree. The program is individually planned with an advisor to include coursework in systematic planning, test development, program evaluation, research design, and statistical analysis. Nine (9) of the 36 hours are to be taken as thesis hours. A comprehensive examination and oral defense of the thesis/thesis project are required.

## EDUCATIONAL MEASUREMENT & RESEARCH COURSES

### EDF 6407 STATISTICAL ANALYSIS FOR EDUCATIONAL RESEARCH I (4)

Theory and application of statistical procedures to problems in education: (1) Descriptive statistics, (2) Probability-sampling distributions, (3) Inferential statistics-interval estimation, tests of significance (z, t, F-one way ANOVA). Coordinated use of computer included.

### EDF 6432 FOUNDATIONS OF MEASUREMENT (3)

Basic measurement concepts, role of measurement in education, construction of teacher-made objective tests and performance assessments, fundamental descriptive statistics for use in test interpretation, evaluation of standardized tests, and interpretation of standardized test score reports.

### EDF 6446 DEVELOPMENT AND VALIDATION OF TESTS IN EDUCATION (3)

Design, construction, and validation of state-wide tests. Special emphasis on domain sampling, item response theory, item scaling, item fit, and constructing, maintaining, and updating item banks. (PR: EDF 6432, EDF 6407 or CI)

### EDF 6481 FOUNDATIONS OF EDUCATIONAL RESEARCH (3)

Analysis of major types of educational research designs, including experimental, correlational, ex post facto and case studies. (PR: EDF 6432, or CI)

### EDF 6492 APPLIED EDUCATIONAL PROGRAM EVALUATION (3)

Design, interpretation, and evaluation of standardized tests; survey development and use; program evaluation; personnel evaluation; attitude assessment; and strategic planning.

### EDF 6971 THESIS: MASTERS/EDUCATIONAL SPECIALIST (2-19 Var.) Rpt. S/U

### EDF 7408 STATISTICAL ANALYSIS FOR EDUCATIONAL RESEARCH II (4)

Theory and application of statistical procedures to problems in education: (1) ANOVA-factorial; ANCOVA; (2) multiple correlation and regression -- a specific technique and a general approach to data analysis. Coordinated use of computer included. (PR: EDF 6407 or equiv. or CI)

### EDF 7410 DESIGN OF SYSTEMATIC STUDIES IN EDUCATION (4)

Theory and application of major design models to systematic inquiry, from experimental to naturalistic models. Nature and role of sampling in systematic studies. (PR: EDF 6407, EDF 7408 or equiv. or CI)

### EDF 7437 ADVANCED EDUCATIONAL MEASUREMENT I (3)

Logical, empirical, and statistical models of measurement processes. Examination of scaling issues with a focus on reliability and validity. Critique of available instruments in education and the social sciences. (PR: EDF 6432 or equiv.; EDF 6407 or equiv.)

### EDF 7438 ADVANCED EDUCATIONAL MEASUREMENT II (4)

Scaling techniques in educational and psychological measurement. Item analytic theories and practices. Application of psychometric theory to the construction and score validation of measurement instruments in education and the social sciences. (PR: EDF 7437 or equiv.; CI)

### EDF 7484 STATISTICAL ANALYSIS FOR EDUCATIONAL RESEARCH III (4)

Theory and application of selected multivariate statistical procedures, including Canonical Correlation, Discriminant Analysis, Multivariate Analysis of Variance, and Factor Analysis. (PR: EDF 7408 or CI)

### EDF 7485 THEORY AND PRACTICE OF EDUCATION EVALUATION (3)

Comparative analysis of contemporary evaluation models; model building based on theory and professional standards; ethics in internal and external evaluation; social and political impact of evaluation on decision making; and the design, implementation and dissemination of evaluation studies. (PR: EDF 7493 or CI).

### EDF 7488 PROBLEMS IN EDUCATIONAL DATA ANALYSIS (2)

Strategies and techniques for data processing and quantitative analysis using statistical software, including data screening, transformation, diagnostic indices, and interpretation. (PR: EDF 7408 or CI)

EDF 7493 SYSTEMS APPROACHES FOR PROGRAM PLANNING, EVALUATION AND DEVELOPMENT (4)  
An introduction to General Systems Theory and its applications in education, including educational theories and research. Special emphasis is placed on planning, developing, and evaluating educational programs. (PR: Advanced GS or CI)

EDF 7940 PRACTICUM IN EDUCATIONAL PLANNING, EVALUATION, AND DEVELOPMENT (1-8)  
Supervised practicum in which the student assumes major responsibility for significant planning, evaluation, research, or development activity. Rpt. up to 8 hours. S/U. (PR: EDF 7408, EDF 7493)

EDG 7910 DIRECTED RESEARCH Var. Rpt. S/U. (PR: GR. Ph.D. level)

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

**Other Information:**

Please check with program before applying.

## MEASUREMENT AND EVALUATION CONCENTRATION

### Doctor of Philosophy (Ph.D.) Degree in the Curriculum and Instruction Program With a concentration in Measurement and Evaluation

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours:</b>	93 hours
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	DME

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Educational Measurement and Research
<b>Program Coordinator:</b>	Robert Dedrick
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-3220
<b>Fax:</b>	813-974-4495
<b>Email:</b>	<a href="mailto:Kromrey@tempest.coedu.usf.edu">Kromrey@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">www.coedu.usf.edu</a>

**Mailing Address:**  
University of South Florida  
College of Education  
Measurement and Research  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

#### PROGRAM INFORMATION

##### Program Description

The Ph.D. in Curriculum and Instruction with a concentration in Measurement and Evaluation focuses on the development of systematic inquiry skills essential to the study and evaluation of education processes and outcomes. The intent of the program is to develop personnel to work in universities, school districts, government agencies, commercial test publishing and program evaluation enterprises.

The doctoral program emphasizes research in inquiry methodology and applied problems in education and the behavioral sciences. A supervised practicum provides opportunities to apply methods in systematic inquiry in various settings. In sum, methodological skills are developed within a programmatic context that encourages growth of knowledge about education, considers important principles of research, and provides a clinical setting in which these elements can be fused into professional applications.

Emphasis is placed on those aspects of research and evaluation design, measurement, statistical analysis, and systems approaches that are relevant to both decision-oriented and conclusion-oriented research. Inquiry methods include traditional experimental and quasi-experimental designs as well as survey, policy analysis, historical, ethnographic, case study, and naturalistic approaches. The intent of the program is to develop instructional and research personnel who can strengthen

the training, research and development capabilities of agencies and institutions concerned with education. While the doctoral program in measurement, research, and evaluation emphasizes methodology, concentration in substantive disciplines within education and/or the social sciences is possible. Concentration in a cognate provides a context within which the methods of systematic inquiry may be applied.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

In addition to meeting the USF admission requirements, the Department of Educational Measurement and Research has the following admission criteria for students applying to their doctoral program. Applicants must:

1. Have a master's or educational specialist's degree or equivalent from a regionally accredited university or international equivalent

2. Have earned a GPA of at least 3.0 on a 4.0 scale in the upper division coursework while in a Baccalaureate degree
3. Submit an official Graduate Record Examination (GRE) score earned within five years preceding application
4. Have three letters of recommendation from professionals who are familiar with their scholarship and work history
5. Demonstrate the ability to write professionally by submitting a scholarly paper completed as a part of their prior coursework
6. Present self professionally in an oral interview with two or more faculty members
7. Write a statement of professional goals (immediate, intermediate, and long term) and research interests. Professional goals and research interests need to be compatible with the opportunities afforded through a doctoral degree in educational measurement and research
8. Receive endorsement by the majority of tenured and tenure earning faculty members in the department

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

## DEGREE PROGRAM REQUIREMENTS

### Program of Study:

**Concentration/Specialization/Emphasis Area** (28 hrs. minimum):

EDF 7940 (8)	EDF 7488 (2)	EDF 7493 (4)
EDF 7410 (4)	EDF 7655 (4)	EDG 7910 (3)

**Curriculum and Instruction Elective** (3 hrs. minimum):  
EDG 7667 (3), EDG 7692 (3)

**Dissertation** (24 hrs. minimum): 7980

**Cognate Area** (12 hrs. minimum):

**Elective courses**

**Statistics/Measurement/Research Design** (19 hrs. minimum, incl Tool requirement):

EDF 6407 (4)	EDF 7408 (4)	EDF 7484 (4)
EDF 7437 (3)	EDF 7438 (4)	

### Foundations (7-8 hrs. minimum):

To be selected from offerings in Psychological Foundations and Sociological Foundations

## EDUCATIONAL MEASUREMENT & RESEARCH COURSES

### EDF 6407 STATISTICAL ANALYSIS FOR EDUCATIONAL RESEARCH I (4)

Theory and application of statistical procedures to problems in education: (1) Descriptive statistics, (2) Probability-sampling distributions, (3) Inferential statistics-interval estimation, tests of significance (z, t, F-one way ANOVA). Coordinated use of computer included.

### EDF 6432 FOUNDATIONS OF MEASUREMENT (3)

Basic measurement concepts, role of measurement in education, construction of teacher-made objective tests and performance assessments, fundamental descriptive statistics for use in test interpretation, evaluation of standardized tests, and interpretation of standardized test score reports.

### EDF 6446 DEVELOPMENT AND VALIDATION OF TESTS IN EDUCATION (3)

Design, construction, and validation of state-wide tests. Special emphasis on domain sampling, item response theory, item scaling, item fit, and constructing, maintaining, and updating item banks. (PR: EDF 6432, EDF 6407 or CI)

### EDF 6481 FOUNDATIONS OF EDUCATIONAL RESEARCH (3)

Analysis of major types of educational research designs, including experimental, correlational, ex post facto and case studies. (PR: EDF 6432, or CI)

### EDF 6492 APPLIED EDUCATIONAL PROGRAM EVALUATION (3)

Design, interpretation, and evaluation of standardized tests; survey development and use; program evaluation; personnel evaluation; attitude assessment; and strategic planning.

### EDF 6971 THESIS: MASTERS/EDUCATIONAL SPECIALIST (2-19 Var.) Rpt. S/U

### EDF 7408 STATISTICAL ANALYSIS FOR EDUCATIONAL RESEARCH II (4)

Theory and application of statistical procedures to problems in education: (1) ANOVA-factorial; ANCOVA; (2) multiple correlation and regression -- a specific technique and a general approach to data analysis. Coordinated use of computer included. (PR: EDF 6407 or equiv. or CI)

**EDF 7410 DESIGN OF SYSTEMATIC STUDIES IN EDUCATION (4)**

Theory and application of major design models to systematic inquiry, from experimental to naturalistic models. Nature and role of sampling in systematic studies. (PR: EDF 6407, EDF 7408 or equiv. or CI)

**EDF 7437 ADVANCED EDUCATIONAL MEASUREMENT I (3)**

Logical, empirical, and statistical models of measurement processes. Examination of scaling issues with a focus on reliability and validity. Critique of available instruments in education and the social sciences. (PR: EDF 6432 or equiv.; EDF 6407 or equiv.)

**EDF 7438 ADVANCED EDUCATIONAL MEASUREMENT II (4)**

Scaling techniques in educational and psychological measurement. Item analytic theories and practices. Application of psychometric theory to the construction and score validation of measurement instruments in education and the social sciences. (PR: EDF 7437 or equiv.; CI)

**EDF 7484 STATISTICAL ANALYSIS FOR EDUCATIONAL RESEARCH III (4)**

Theory and application of selected multivariate statistical procedures, including Canonical Correlation, Discriminant Analysis, Multivariate Analysis of Variance, and Factor Analysis. (PR: EDF 7408 or CI)

**EDF 7485 THEORY AND PRACTICE OF EDUCATION EVALUATION (3)**

Comparative analysis of contemporary evaluation models; model building based on theory and professional standards; ethics in internal and external evaluation; social and political impact of evaluation on decision making; and the design, implementation and dissemination of evaluation studies. (PR: EDF 7493 or CI).

**EDF 7488 PROBLEMS IN EDUCATIONAL DATA ANALYSIS (2)**

Strategies and techniques for data processing and quantitative analysis using statistical software, including data screening, transformation, diagnostic indices, and interpretation. (PR: EDF 7408 or CI)

**EDF 7493 SYSTEMS APPROACHES FOR PROGRAM PLANNING, EVALUATION AND DEVELOPMENT (4)**

An introduction to General Systems Theory and its applications in education, including educational theories and research. Special emphasis is placed on planning, developing, and evaluating educational programs. (PR: Advanced GS or CI)

**EDF 7940 PRACTICUM IN EDUCATIONAL PLANNING, EVALUATION, AND DEVELOPMENT (1-8)**

Supervised practicum in which the student assumes major responsibility for significant planning, evaluation, research, or development activity. Rpt. up to 8 hours. S/U. (PR: EDF 7408, EDF 7493)

**EDF 7980 DISSERTATION (2-30 Var.) Rpt. (PR: Admission to Candidacy)****EDG 7910 DIRECTED RESEARCH Var. Rpt. S/U. (PR: GR. Ph.D. level)****Required Courses From Other Departments****EDF 7655 ORGANIZATION DEVELOPMENT IN EDUCATIONAL INSTITUTIONS (4)**

Application of social and behavioral science theory to the organizational and developmental problems of schools and school systems (PR: CI)

**EDG 7667 ANALYSIS OF CURRICULUM AND INSTRUCTION (3)**

Various theoretical frameworks for analyzing curriculum and instruction. Emphasis on rational models of curriculum inquiry. (PR: EDG 6627)

**EDG 7692 ISSUES IN CURRICULUM AND INSTRUCTION (3)**

Identification and analysis of major problems and issues in curriculum and instruction. Critical examination of efforts to deal with these issues. (PR: EDG 6627)

EDH \_\_\_\_ (waiting for course number and description)

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

**OTHER INFORMATION**

Please check with program before applying



## MIDDLE GRADES MATHEMATICS EDUCATION PROGRAM (5-9)

### Master of Art in Teaching (M.A.T.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	46
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active <b>New 11/2005!</b>

<b>CIP Code:</b>	13.1311
<b>Dept Code:</b>	EDI
<b>Program (Major/College):</b>	TMA ED

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Secondary Education
<b>Program Coordinator:</b>	Helen Gerretson
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-2172
<b>Fax:</b>	N/A
<b>Email:</b>	<a href="mailto:Gerretso@tempest.coedu.usf.edu">Gerretso@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

##### Mailing Address:

University of South Florida  
College of Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

#### PROGRAM INFORMATION

The M.A.T. in Middle Grades Mathematics Education (5-9) is designed for individuals seeking initial certification to teach mathematics at the middle grades level.

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida Department of Education program approval standards, and accreditation criteria.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Admissions Requirements include:

1. A bachelor's degree or equivalent from a regionally accredited university or its international equivalent
2. Have an earned minimum grade point average of 3.0 on a 4.0 scale average or higher in all upper division level undergraduate coursework
3. Meet one of the following criteria:  
Have passed the Florida Subject Area Exam in Mathematics 5-9  
Or

Have completed at least 18 credit hours in mathematics at the level of college algebra.

4. Demonstrate mastery of general knowledge including the ability to read, write, and compute by passing the Florida General Knowledge Test (GKT) or College Level Academic Skills Test (CLAST), if taken and passed prior to July 1, 2004. For graduate level teacher preparation programs, GRE scores of 450 verbal and 550 quantitative or higher, taken within the last 5 years may be accepted in lieu of GKT or CLAST. GRE scores must be submitted.

#### DEGREE PROGRAM REQUIREMENTS

Educational Core – 12 hrs.

Mathematics Coursework – 15 hrs. minimum

Mathematics Education Coursework – 13 hrs.

Internship – 6 hrs

##### Professional Core:

EDF 4430 Measurement for Teachers

ESE 5344 Classroom Management for a Diverse School and Society

ESE 5342 Teaching the Adolescent Learner

FLE 5365 ESOL Education in Content Areas

##### Mathematics:

MAE 6137 Probability and Statistics for Middle Grades Teachers

MAE 6332 Advanced Mathematics Topics for Middle Grades Teachers

MAE 6333 Algebra for Middle Grades Teachers

MAE 6334 Geometry and Measurement for Middle Grades Teachers

MAE 6335 Number Theory for Middle Grades Teachers

**Mathematics Education:**

MAE 6134 Current Trends for Middle Grades Mathematics

MAE 6166 Communication Skills in Mathematics

MAE 6356 Teaching of Pre-Secondary School Mathematics

MAE 6945 Practicum in Mathematics Education

MAE 6947 Graduate Internship: Mathematics Education (6 hours)

MAE 6899 Internship Seminar in Mathematics Education (1 hour)

The internship requires a semester of placement in a middle school mathematics classroom.

A **comprehensive exam**/final project is also required.

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

**COURSES**

See <http://www.ugs.usf.sab/sabs.cfm>

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>.

**OTHER INFORMATION**

For further information about the program, check the website

<http://www.coedu.usf.edu/MathEd/default.htm>

## MIDDLE SCHOOL EDUCATION CONCENTRATION

**Master of Education (M.Ed.) Degree in the Curriculum and Instruction Program**  
**With a concentration in Middle School Education, English Education**

### DEGREE INFORMATION

**Program Admission Deadlines:**  
 Not accepting applications.

**Minimum Total Hours:** 33  
**Program Level:** Masters  
**Program Status:** Inactive

**CIP Code:** 13.0301  
**Dept Code:** CNI  
**Program (Major/College):** CUR ED  
**Concentration Code:** CJE

### CONTACT INFORMATION

**College:** Education  
**Department:**  
**Program Coordinator:** N/A  
**Other Contact:** N/A  
**Phone:** N/A  
**Fax:** N/A  
**Email:** N/A  
**Web Address:** <http://www.coedu.usf.edu>

**Mailing Address:**  
 University of South Florida  
 College of Education  
 4202 E. Fowler Avenue EDU162  
 Tampa FL 33620

**Inactive.** Currently, students are not being admitted to this program.

**MIDDLE SCHOOL EDUCATION CONCENTRATION****Master of Education (M.Ed.) Degree in the Curriculum and Instruction Program  
With a concentration in Middle School Education, General Education****DEGREE INFORMATION**

**Program Admission Deadlines:**  
Not accepting applications.

**Minimum Total Hours:** 33  
**Program Level:** Masters  
**Program Status:** Inactive

**CIP Code:** 13.0301  
**Dept Code:** CNI  
**Program (Major/College):** CUR ED  
**Concentration Code:** CJE

**CONTACT INFORMATION**

**College:** Education  
**Department:**  
**Program Coordinator:** N/A  
**Other Contact:** N/A  
**Phone:** N/A  
**Fax:** N/A  
**Email:** N/A  
**Web Address:** <http://www.coedu.usf.edu>

**Mailing Address:**  
University of South Florida  
College of Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

---

**Inactive.** Currently, students are not being admitted to this program.

## MIDDLE SCHOOL EDUCATION CONCENTRATION

**Master of Education (M.Ed.) Degree in the Curriculum and Instruction Program**  
**With a concentration in Middle School Education, Mathematics Education**

---

### DEGREE INFORMATION

**Program Admission Deadlines:**  
 Not accepting applications.

**Minimum Total Hours:** 33  
**Program Level:** Masters  
**Program Status:** Inactive

**CIP Code:** 13.0301  
**Dept Code:** CNI  
**Program (Major/College):** CUR ED  
**Concentration Code:** CJM

### CONTACT INFORMATION

**College:** Education  
**Department:**  
**Program Coordinator:** N/A  
**Other Contact:** N/A  
**Phone:** N/A  
**Fax:** N/A  
**Email:** N/A  
**Web Address:** <http://www.coedu.usf.edu>

**Mailing Address:**  
 University of South Florida  
 College of Education  
 4202 E. Fowler Avenue EDU162  
 Tampa FL 33620

---

**Inactive.** Currently, students are not being admitted to this program.

**MIDDLE SCHOOL EDUCATION CONCENTRATION****Master of Education (M.Ed.) Degree in the Curriculum and Instruction Program  
With a concentration in Middle School Education, Science Education****DEGREE INFORMATION**

<b>Program Admission Deadlines:</b>	Not accepting applications.
<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	<b>Inactive</b>
<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	CJS

**CONTACT INFORMATION**

<b>College:</b>	Education
<b>Department:</b>	
<b>Program Coordinator:</b>	N/A
<b>Other Contact:</b>	N/A
<b>Phone:</b>	N/A
<b>Fax:</b>	N/A
<b>Email:</b>	N/A
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>
<b>Mailing Address:</b>	
	University of South Florida
	College of Education
	4202 E. Fowler Avenue EDU162
	Tampa FL 33620

---

**Inactive.** Currently, students are not being admitted to this program.

## MIDDLE SCHOOL EDUCATION CONCENTRATION

**Master of Education (M.Ed.) Degree in the Curriculum and Instruction Program**  
**With a concentration in Middle School Education, Social Studies Education**

### DEGREE INFORMATION

**Program Admission Deadlines:**  
 Not accepting applications.

**Minimum Total Hours:** 33  
**Program Level:** Masters  
**Program Status:** Inactive

**CIP Code:** 13.0301  
**Dept Code:** CNI  
**Program (Major/College):** CUR ED  
**Concentration Code:** CJH

### CONTACT INFORMATION

**College:** Education  
**Department:**  
**Program Coordinator:** N/A  
**Other Contact:** N/A  
**Phone:** N/A  
**Fax:** N/A  
**Email:** N/A  
**Web Address:** <http://www.coedu.usf.edu>

**Mailing Address:**  
 University of South Florida  
 College of Education  
 4202 E. Fowler Avenue EDU162  
 Tampa FL 33620

**Inactive.** Currently, students are not being admitted to this program.

## MUSIC EDUCATION CONCENTRATION

### Education Specialist (Ed.S.) Degree in the Curriculum and Instruction Program With a concentration in Music Education

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
Not accepting applications.

**Minimum Total Hours:** 36  
**Program Level:** Specialist  
**Program Status:** Inactive

**CIP Code:** 13.0301  
**Dept Code:** CNI  
**Program (Major/College):** CUR ED  
**Concentration Code:** SMU

#### CONTACT INFORMATION

**College:** Education  
**Department:**  
**Program Coordinator:** N/A  
**Other Contact:** N/A  
**Phone:** N/A  
**Fax:** N/A  
**Email:** N/A  
**Web Address:** <http://www.coedu.usf.edu>  
<http://www.arts.usf.edu/>

**Mailing Address:**  
 University of South Florida  
 College of Education  
 4202 E. Fowler Avenue EDU162  
 Tampa, FL 33620

---

**Inactive.** Currently, students are not being admitted to this program.



## MUSIC EDUCATION CONCENTRATION

### Doctor of Philosophy (Ph.D.) Degree in the Curriculum and Instruction Program With a concentration in Music Education

#### DEGREE INFORMATION

**Program Admission Deadlines:** Not accepting applications.

**Minimum Total Hours:** 75-81

**Program Level:** Doctoral

**Program Status:** Contact the College of Visual and Performing arts for information on options in this concentration area

**CIP Code:** 13.0301

**Dept Code:** CNI

**Program (Major/College):** CUR ED

**Concentration Code:** DMU

**Also see:** Concentration in Music Education offered under the Ph.D. In Music

#### CONTACT INFORMATION

**College:** Education

**Department:**

**Program Coordinator:** N/A

**Other Contact:** N/A

**Phone:** N/A

**Fax:** N/A

**Email:** N/A

**Web Address:** <http://www.coedu.usf.edu>  
<http://www.arts.usf.edu/>

**Mailing Address:**  
University of South Florida  
College of Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

#### PROGRAM INFORMATION

Contact the School of Music for information.

## PHYSICAL EDUCATION PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.1314
<b>Dept Code:</b>	EDP
<b>Program (Major/College):</b>	EPH ED

**Concentrations available in:**

Exercise Science (EXS)  
*See separate listing for  
 Physical Education –  
 Exercise Science*

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	School of Physical Education, Wellness, and Sport Studies
<b>Program Director:</b>	Steve Sanders
<b>Other Contact:</b>	Nell Faucette (Plan I)
<b>Phone:</b>	813-974-4871
<b>Fax:</b>	813-974-2885
<b>Email:</b>	<a href="mailto:sanders@coedu.usf.edu">sanders@coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://pe.usf.edu/grad/pe/">http://pe.usf.edu/grad/pe/</a>

**Mailing Address:**

University of South Florida  
 College of Education  
 School of Physical Education  
 4202 E. Fowler Avenue PED214  
 Tampa FL 33620

---

#### PROGRAM INFORMATION

**Program Description**

Contact program for information

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools, National Council for Accreditation of Teacher Education, National Association for Sport and Physical Education.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

**Requirements:**

1. A bachelor's degree from a regionally accredited institution or international equivalent and satisfying at least one of the following criteria:
  - a. A "B" average (3.0 on a 4.0 scale) or higher in all work attempted while registered as an upper division student in a Baccalaureate degree
  - OR
  - b. A previous graduate degree from a regionally accredited institution.

2. Exercise Science specialization additionally requires a C (a 2.0 on a 4.0 scale) or higher in the following courses:
  - a. Anatomy & Physiology I & II or equivalent (minimum 3 credit hours each)
  - b. Kinesiology/Biomechanics
  - c. Exercise Physiology
  - d. Nutrition
 Recommended:  
 Physics  
 Chemistry  
 Computer Proficiency
3. Proof of initial certification (Plan I)

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

#### DEGREE PROGRAM REQUIREMENTS

**Physical Education K-12**

Two plans are available (Plan I, Plan III).

**Plan I –**

**Program of Study** 30 hours minimum

**Process Core**

EDF 6432 3 hours, EDF 6481 – 3 hours.

**Current Trends in Physical Education** 3 hours

PET 6535C 3 hours

Select from the following or others approved by advisor  
24 hours

PET 6205	PET 6645	PET 6906
PET 6695C	PET 6425	PET 6910L
PET 6496	PET 6346	PET 6419

**Elective** (3 hours)

**Comprehensive Examination** - A written comprehensive examination is required during the semester in which the student completes the requirements for the master's degree.

**Plan III –**

**Program of Study** 30 hours minimum

**Process Core**

EDF 6432 EDF 6481 6 hours

**Current Trends in Physical Education** 3 hours.

PET 6535C 3 hours.

This is an individually planned program. The student will select 21 hours of coursework in consultation with an advisor.

**Comprehensive Exam** - A written comprehensive examination is required during the semester in which the student completes the requirements for the master's degree

**COURSES**

<http://www.ugs.usf.edu/sab/sabs.cfm>

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria

## PHYSICAL EDUCATION PROGRAM EXERCISE SCIENCE CONCENTRATION

### Master of Arts (M.A.) Degree in the Physical Education Program With a concentration in Exercise Science

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.1314
<b>Dept Code:</b>	EDP
<b>Program (Major/College):</b>	EPH ED
<b>Concentration Code:</b>	EXS

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	School of Physical Education, Wellness, and Sport Studies
<b>Program Director:</b>	Steve Sanders
<b>Other Contact:</b>	Joann Eickhoff-Shemek
<b>Phone:</b>	813-974-4871
<b>Fax:</b>	813-974-2885
<b>Email:</b>	<a href="mailto:sanders@coedu.usf.edu">sanders@coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://pe.usf.edu/grad/pe/">http://pe.usf.edu/grad/pe/</a>

**Mailing Address:**  
University of South Florida  
College of Education  
School of Physical Education  
4202 E. Fowler Avenue PED214  
Tampa FL 33620

#### PROGRAM INFORMATION

Contact program for information.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools, National Council for Accreditation of Teacher Education, National Association for Sport and Physical Education.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

#### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

1. A bachelor's degree from a regionally accredited institution or international equivalent and satisfying at least one of the following criteria:
  - a. A "B" average (3.0 on a 4.0 scale) or higher in all work attempted while registered as an upper division in a Baccalaureate degree  
OR
  - b. A previous graduate degree from a regionally accredited institution.
2. Exercise Science specialization additionally requires a C (a 2.0 on a 4.0 scale) or higher in the following courses:
  - a. Anatomy & Physiology I & II or equivalent (minimum 3 hours each)

- b. Kinesiology/Biomechanics
- c. Exercise Physiology
- d. Nutrition

**Recommended:**  
Physics  
Chemistry  
Computer Proficiency

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test).

See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

#### DEGREE PROGRAM REQUIREMENTS

##### Exercise Science Concentration

##### Process Core

EDF 6432, EDF 6481

18 hours selected from Program of Study Listing:

<http://www.pe.usf.edu>

PET 6971 – Thesis: Physical Education (Optional)

Other courses to be selected in consultation with a faculty advisor.

##### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## READING EDUCATION PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
**Fall:** March 15  
**Spring:** October 15  
**Summer:** March 1

**Minimum Total Hours:** 36  
**Program Level:** Masters  
**Program Status:** Active  
**CIP Code:** 13.1305  
**Dept Code:** EDR  
**Program (Major/College):** ARD ED

#### CONTACT INFORMATION

**College:** Education  
**Department:** Childhood Education  
**Program Coordinator:** Nancy Williams  
**Other Contact:** Christine Miranda  
**Phone:** 813-974-3460  
**Fax:** 813-974-0938  
**Email:** [Nwilliam@tempest.coedu.usf.edu](mailto:Nwilliam@tempest.coedu.usf.edu)  
[Miranda@tempest.coedu.usf.edu](mailto:Miranda@tempest.coedu.usf.edu)  
**Web Address:** <http://www.coedu.usf.edu/main/>

**Mailing Address:**  
 University of South Florida  
 College of Education  
 Childhood Education  
 4202 E. Fowler Avenue EDU162  
 Tampa FL 33620

---

#### PROGRAM INFORMATION

**Program Description**  
 This degree is designed to prepare special reading teachers, clinicians, supervisors, directors, and coordinators of reading for school systems.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

#### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

In order to be considered for admission, first-time or transferring graduate applicants must:

1. Have a bachelor's degree or equivalent from an accredited university,
2. Have earned a "B" (3.0 on a 4.0 scale) average or higher in all work attempted while registered as an upper division student working in a baccalaureate degree in a regionally accredited institution

OR

Have earned a graduate degree from a regionally accredited institution with a GPA of 3.5.

Exceptions to minimum requirements will be considered for National Board Certification and an outstanding professional record.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/internationa.html>

#### DEGREE PROGRAM REQUIREMENTS

<b>Program of Study:</b>	<b>36 hours</b>
<b>Process Core:</b> EDF 6481	3 hours
<b>Specialization:</b> LAE 6316	3 hours
<b>Content Specialization:</b> RED 6247 RED 6449 RED 6540 RED 6544 RED 6545 RED 6747	30 hours

RED 6748 RED 6846 LAE 6315  
FLE 5430

**Certification:** Students who are not certified in elementary education must complete a set of prerequisite courses.

Program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria. Please contact program for more information.

**COURSES:** See <http://www.ugs.usf.edu/sab/sabs.cfm>

## READING EDUCATION CONCENTRATION

### Master of Education (M.Ed.) Degree in the Curriculum and Instruction Program With a concentration in Reading Education

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
**Fall:** March 15  
**Spring:** October 15  
**Summer:** March 1

**Minimum Total Hours:** 33  
**Program Level:** Masters  
**Program Status:** Inactive

**CIP Code:** 13.0301  
**Dept Code:** CNI  
**Program (Major/College):** CUR ED  
**Concentration Code:** CRD

#### CONTACT INFORMATION

**College:** Education  
**Department:** Childhood Education  
**Program Coordinator:** Susan Homan  
**Other Contact:** Christine Miranda  
**Phone:** 813-974-3460  
**Fax:** 813-974-0938  
**Email:** [Homan@tempest.coedu.usf.edu](mailto:Homan@tempest.coedu.usf.edu)  
[Miranda@tempest.coedu.usf.edu](mailto:Miranda@tempest.coedu.usf.edu)  
**Web Address:** [www.coedu.usf.edu/main/](http://www.coedu.usf.edu/main/)

**Mailing Address:**  
 University of South Florida  
 College of Education  
 Childhood Education  
 4202 E. Fowler Avenue EDU162  
 Tampa FL 33620

---

**Inactive.** Currently, no students are being admitted to this program.

## READING-LANGUAGE ARTS EDUCATION CONCENTRATION

### Education Specialist (Ed. S.) Degree in the Curriculum and Instruction Program With a concentration in Reading-Language Arts Education

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Specialist
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	SRD

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Childhood Education
<b>Program Coordinator:</b>	Nancy Williams
<b>Other Contact:</b>	Christine Miranda
<b>Phone:</b>	813-974-3460
<b>Fax:</b>	813-974-0938
<b>Email:</b>	<a href="mailto:Miranda@tempest.coedu.usf.edu">Miranda@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/main/">www.coedu.usf.edu/main/</a>

##### Mailing Address:

University of South Florida  
College of Education  
Childhood Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

#### PROGRAM INFORMATION

##### Program Description

This degree prepares in-school leaders in the field (directors of R/LA programs for school systems, clinical directors in private or public settings, or curriculum supervisors.) Through program experiences, students acquire expertise in reading/language arts processes, design and evaluation of instructional materials and techniques, and treatment of reading/language arts problems. A student may elect to acquire more depth in certain areas, but a basic knowledge in all is required.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Requirements for all applicants include:

1. GRE Required
2. Minimum GPA of 3.5 Masters
3. Proof of educational or professional experience
4. Proof of initial certification
5. Letters of recommendation
6. Interview

7. Concept Paper or goal statement

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

#### DEGREE PROGRAM REQUIREMENTS

The program requires a minimum of 36 hours beyond the Master's degree, including coursework, written comprehensive examination, and a project. The Ed.S. program is separate from the Ph.D. It is individually planned with an advisor to include coursework in areas such as reading, elementary education, literacy, and research.

<b>Minimum Requirements:</b>	<b>36 hours</b>
<b>Specialization Coursework</b>	27 hours
<b>Thesis</b>	9 hours

#### Comprehensive Exam Required

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>



## READING AND LANGUAGE ARTS EDUCATION CONCENTRATION

### Doctor of Philosophy (Ph.D.) Degree in the Curriculum and Instruction Program With a concentration in Reading and Language Arts Education

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	75-81
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	DRD

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Childhood Education
<b>Program Coordinator:</b>	
<b>Other Contact:</b>	Christine Miranda
<b>Phone:</b>	813-974-3460
<b>Fax:</b>	813-974-0938
<b>Email:</b>	<a href="mailto:Miranda@tempest.coedu.usf.edu">Miranda@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/main/">www.coedu.usf.edu/main/</a>

##### Mailing Address:

University of South Florida  
College of Education  
Childhood Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

#### PROGRAM INFORMATION

##### Program Description

The program has been designed primarily to prepare professionals in the area of literacy who will work as teacher educators and researchers at the university level, and leaders and researchers at the district level. The philosophical underpinnings of the program lie in the identification of the roles of teacher educators working in the university settings.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent. Requirements for all applicants include:

1. GRE Required
2. Minimum GPA of 3.5 Masters
3. Proof of educational or professional experience
4. Proof of initial certification
5. Letters of recommendation
6. Interview
7. Concept Paper or goal statement

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213

computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>.

#### DEGREE PROGRAM REQUIREMENTS

The program requires a minimum of 75-81 hours beyond the Master's degree. Each student's program is individually planned in consultation with a faculty program committee.

**Program of Study:** **75-81 hours**

**Specialization:** 18 hours

To be determined with program director

**Cognate:** 12 hours

To be determined with program director

##### Measurement/Statistics/Research/

**Design:** 9 hours

EDF 6407 EDF 7408

EDF 7410 or EDF 7437 or

EDF 7484 or EDF 7493 or

EDF 7477 or EDF 7478

**Foundations:** 7-8 hours

Electives in Psychological and Social foundations, Philosophical or Historical foundations

**Dissertation:** **24 hours**

**COURSES** see <http://www.ugs.usf.edu/sab/sabs.cfm>

## SCHOOL PSYCHOLOGY PROGRAM

### Master of Arts (M.A.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters*
<b>Program Status:</b>	Active

<b>CIP Code:</b>	42.1701
<b>Dept Code:</b>	EDF
<b>Program (Major/College):</b>	ASP EJ

\*Only available when combined with the Ed. S. or Ph.D. degree

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Psychological and Social Foundations
<b>Program Director:</b>	Kathy Bradley-Klug
<b>Other Contact:</b>	Program Assistant, 813-974-3246
<b>Phone:</b>	813-974-9486
<b>Fax:</b>	813-974-5814
<b>Email:</b>	<a href="mailto:Kbradley@tempest.coedu.usf.edu">Kbradley@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">www.coedu.usf.edu</a>

##### Mailing Address:

University of South Florida  
College of Education  
Psychological and Soc. Foundations  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

#### PROGRAM INFORMATION

##### Program Description

The M.A. degree in School Psychology is offered only when combined with the Ed.S. and/or Ph.D. degrees. The M.A. in School Psychology is not a terminal degree and can not be used for certification or licensure as a school psychologist in the State of Florida. Please see the Ed.S. and Ph.D. program descriptions for information about the School Psychology Program.

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Refer to the admission information on the Ed.S. and/or Ph.D. Degree listings.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>.

#### DEGREE PROGRAM REQUIREMENTS

Contact program for specific information.  
<http://www.coedu.usf.edu/schoolpsych>

##### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## SCHOOL PSYCHOLOGY CONCENTRATION

### Education Specialist (Ed.S.) Degree in the Curriculum and Instruction Program With a concentration in School Psychology

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	95
<b>Program Level:</b>	Specialist
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	SSP

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Psychological and Social Foundations
<b>Program Director:</b>	Kathy Bradley-Klug
<b>Other Contact:</b>	Program Assistant, 813-974-3246
<b>Phone:</b>	813-974-9486
<b>Fax:</b>	813-974-5814
<b>Email:</b>	<a href="mailto:Kbradley@tempest.coedu.usf.edu">Kbradley@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/schoolpsych/">http://www.coedu.usf.edu/schoolpsych/</a>

##### Mailing Address:

University of South Florida  
College of Education  
Psychological and Soc. Foundations  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

#### PROGRAM INFORMATION

##### Program Description

School Psychology is offered as a concentration under the Ed.S. Curriculum and Instruction degree program. The Educational Specialist (Ed.S.) degree consists of approximately 95 graduate semester hours beyond the bachelor's degree, and includes two years of practica experiences and then a full-year, 1,500 clock hour internship and a thesis or Research Project. Completion of the Ed.S. degree requires three (3) years of full-time study, including summer semesters.

The Ed.S. Program is fully approved by the National Association of School Psychologists and the Florida Department of Education. Students who complete the School Psychology Training Program at USF automatically meet the academic and field training requirements for certification as a Nationally Certified School Psychologist (N.C.S.P.)

For additional information on the Ed.S. in Curriculum and Instruction (with a Concentration Specialization in School Psychology), contact the program.  
<http://coedu.usf.edu/schoolpsych>

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools, NCATE and Approved by the National Association of School Psychologists.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Admission occurs once each year for the Fall class. The School Psychology program is a limited access program. This means that only a limited number of students are able to be accepted each year. It is also a direct receipt program. Please check with the program for specific information.

##### Program Admission Requirements

For all admission, all programs require earned degrees from regionally accredited institutions. International students are also required to:

1. Provide a course-by-course evaluation of foreign transcripts from an approved external agency
2. Submit passing TOEFL scores

##### Prerequisite Coursework for Admission

- Bachelor's degree or higher
- An undergraduate (or graduate) course in Statistics
- An undergraduate (or graduate) course in Tests and Measurements (including issues such as reliability, validity, standard error of measurement, etc.)

- An undergraduate (or graduate) course in Research Methods or Experimental Design with a lab component.

#### Required Admissions Materials

1. Submit a completed Application to the Universities Graduate Admissions Office
2. Submit official GRE scores (Note: Verbal, Quantitative, and analytical Writing scores are required; scores should not be more than 5 years old)
3. Provide official transcripts from all colleges and universities where you have completed coursework. Applicants must have an undergraduate GPA of 3.5 or higher in upper division level undergraduate coursework.
4. Provide a statement of professional goals. In a 2-3 page statement, explain your immediate, intermediate, and long term goals as well as your research interests. Professional goals and research interests must be compatible with the school psychology program.
5. Submit three letters of recommendation from professionals who are familiar with your scholarship and work history.
6. Demonstrate the ability to write professionally by submitting a scholarly paper completed as part of your prior course work.
7. Present self professionally in an oral interview with two or more faculty members and graduate students
8. Provide a writing sample related to a relevant topic to the field of school psychology during the interview process.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international> .html.

#### DEGREE PROGRAM REQUIREMENTS

##### **Problem Solving/Assessment/Intervention**

24 Semester Hours

##### **Psychological Foundations**

19 Semester Hours

##### **Educational Foundations**

11 Semester Hours

##### **Professional Practice**

5 Semester Hours

##### **Statistics/Research Design/Thesis**

17 Semester Hours

##### **Practicum/Internship**

20 Semester Hours

#### **COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>  
[www.coedu.usf.edu/schoolpsych](http://www.coedu.usf.edu/schoolpsych)

## SCHOOL PSYCHOLOGY PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15 Fall admission only*
<b>Minimum Total Hours:</b>	114
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active
<b>CIP Code:</b>	42.1701
<b>Dept Code:</b>	EDF
<b>Program (Major/College):</b>	DSG ED

\*see admission information in text below.

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Psychological and Social Foundations
<b>Program Director:</b>	Kathy Bradley-Klug
<b>Other Contact:</b>	Program Assistant, 813-974-3246
<b>Phone:</b>	813-974-9486
<b>Fax:</b>	813-974-5814
<b>Email:</b>	<a href="mailto:Kbradley@tempest.coedu.usf.edu">Kbradley@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/schoolpsych/">http://www.coedu.usf.edu/schoolpsych/</a>

#### Mailing Address:

University of South Florida  
College of Education  
Psychological and Soc. Foundations  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

#### PROGRAM INFORMATION

##### Program Description

The Doctor of Philosophy (Ph.D.) degree consists of approximately 62 semester hours beyond the Ed.S. degree in School Psychology and includes advanced leadership coursework and practica experiences, concentration and area of emphasis courses in school psychology, a 2,000 clock hour internship, and the dissertation. A Master of Arts (M.A.) degree is earned by most students during the first year of their Ph.D. program. However, the M.A. is not considered a terminal degree and is not sufficient for state certification in school psychology.

The Ph.D. program in School Psychology at the University of South Florida is offered through the College of Education's Department of Psychological and Social Foundations. The program has been designed specifically for training in school psychology and has been developed to meet all relevant national accreditation standards. The Ph.D. program is fully accredited by the American Psychological Association and fully approved by the National Association of School Psychologists and the Florida Department of Education. Students who complete the School Psychology Training Program at USF automatically meet the academic and field training requirements for certification as a Nationally Certified School Psychologist (N.C.S.P.)

The Ph.D. program in School Psychology is committed to training professionals who have expertise in the depth and diversity of both psychology and education. This training is accomplished within a scientist-practitioner

model that emphasizes comprehensive school psychological services using a social and cognitive behavioral learning theory orientation that recognizes the impact of children's individual differences and the importance of multicultural awareness and skills. Graduates of the Ph.D. program move to positions of employment as university trainers and researchers, as psychologists in school, hospital, and agency settings, and as program leaders in applied settings. The program also offers professional development opportunities for practitioners in the field.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools, NCATE, Approved by the National Association of School Psychologists and Accredited by the American Psychological Association.

##### Major Research Areas:

Pediatric School Psychology, Organizational Development and Consultation, Academic Assessment/Problem-Solving and Intervention, Positive Psychology, Family Systems, Behavior Disorders, Prevention/Intervention with Violence, Parental Collaboration, Life Satisfaction, Gender-related Issues in Early Adolescence, ADHD, Early Literacy

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Admission occurs once each year for the Fall class. The School Psychology program is a limited access program. This means that only a limited number of students are able to be accepted each year. It is also a direct receipt program. Please check with the program for specific information.

#### Program Admission Requirements

For all admission, all programs require earned degrees from regionally accredited institutions. International students are also required to:

1. Provide a course-by-course evaluation of foreign transcripts from an approved external agency
2. Submit passing TOEFL scores

#### Prerequisite Coursework for Admission

- Bachelor's degree or higher
- An undergraduate (or graduate) course in Statistics
- An undergraduate (or graduate) course in Tests and Measurements (including issues such as reliability, validity, standard error of measurement, etc.)
- An undergraduate (or graduate) course in Research Methods or Experimental Design with a lab component.

#### Required Admissions Materials

1. Submit a completed Application to the Universities Graduate Admissions Office
2. Submit official GRE scores (Note: Verbal, Quantitative, and analytical Writing scores are required; scores should not be more than 5 years old)
3. Provide official transcripts from all colleges and universities where you have completed coursework. Applicants must have an undergraduate GPA of 3.5 or higher in upper division level undergraduate coursework.
4. Provide a statement of professional goals. In a 2-3 page statement, explain your immediate, intermediate, and long term goals as well as your research interests. Professional goals and research interests must be compatible with the school psychology program.
5. Submit three letters of recommendation from professionals who are familiar with your scholarship and work history.
6. Demonstrate the ability to write professionally by submitting a scholarly paper completed as part of your prior course work.
7. Present self professionally in an oral interview with two or more faculty members and graduate students
8. Provide a writing sample related to a relevant topic to the field of school psychology during the interview process.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a

TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>.

#### DEGREE PROGRAM REQUIREMENTS

The Ph.D. program consists of a minimum of 62 credit hours beyond the Ed.S. program. The Ph.D. program requires advanced course work in leadership, interventions, professional practices, statistics/research methods, and an area of emphasis (e.g. pediatric school psychology, policy development/analysis, research concentration) within the broader school psychology curriculum, and additional practica experiences, all allowing for more in-depth study of content and issues in the field. A doctoral level internship (2000 hours) must be completed by all doctoral students.

In addition to admitting students at the Post-Baccalaureate Level, the USF School Psychology program admits Ph.D. students who have already earned an Ed.S. or the equivalent and are certified as school psychologists and/or who are looking for advanced doctoral study in the field

Full-time study is required of most Ph.D. students at least until they complete all coursework and Qualifying Exams and have only the dissertation to complete. Minimally, this will involve three years of full-time study after the M.A. degree. Full-time study involves a minimum of 9 semester hours of coursework per semester. Residency involves selected semesters of full-time study; students are allowed assistantship work or a part-time job up to 20 hours per week during residency. A part-time Ph.D. option is available for selected students; more information on this option is available from the Program Coordinator.

#### Program Requirements:

1. Completion of all coursework for the Ed. S. Program
2. Advanced Course Work in the Following Areas:
  - a. Statistics/Design-8 sh
  - b. Professional Practice-6 sh
  - c. Problem Solving/Intervention-8 sh
  - d. Practicum/Internship-18 sh
  - e. Area of Emphasis-12 sh

**COURSES** See <http://www.ugs.usf.edu/sab/sabs.cfm>

#### OTHER INFORMATION

<http://www.coedu.usf.edu/schoolpsych>

## SCIENCE EDUCATION PROGRAM

### Master of Arts (M.A.) Degree

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.1316
<b>Dept Code:</b>	EDI
<b>Program (Major/College):</b>	SCE EJ

**Concentrations available in:**

- Biology (ASB)
- Chemistry (ASC)
- Physics (ASY)

(See separate listings for these concentrations)

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Secondary Education
<b>Program Coordinator:</b>	Elaine Howes
<b>Other Contact:</b>	Dana L. Zeidler
<b>Phone:</b>	813-974-2816
<b>Fax:</b>	813-974-3837
<b>Email:</b>	<a href="mailto:Ehowes@coedu.usf.edu">Ehowes@coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

**Mailing Address:**

University of South Florida  
 College of Education  
 Secondary Education  
 4202 E. Fowler Avenue EDU162  
 Tampa FL 33620

#### PROGRAM INFORMATION

**Program Description**

Plan I – The Plan I track is a program of graduate study designed for those with initial certification in the area of concentration (typically with a baccalaureate degree from a college of education) who desire to increase their competence in the subject specialization. It is an individually planned program of study in consultation with a departmental advisor.

Plan II – The MA Plan II track is for individuals with a bachelor's degree in a field other than education who wish to become certified teachers in science education at the middle or senior high school level. Three areas of concentration are available. This program leads to teaching certification in grade 6-12 science education as part of the master's degree program.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools, the National Council for Accreditation of Teacher Education, and the Department of Education.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

For all admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

**Admissions requirements include:**

1. A bachelor's degree or equivalent from a regionally accredited university or international equivalent.
2. A bachelor's degree in a science field. (biology, chemistry, physics, geology, etc...) or coursework in a science teaching field acceptable to the program faculty. Students should provide a typed listing of science courses as part of their application. Students who do not meet this requirement can enroll in undergraduate courses prior to application. These courses will not be counted toward the master's degree and can be taken at any accredited university or community college
3. A "B" (3.0 on a 4.0 scale) average or higher in all work attempted while registered as an upper division student working for a baccalaureate degree, or
4. Students seeking admission by completing three graduate courses with a B or higher in each course while a non-degree seeking student should take: \* EDF 6432 Foundations of measurement and \* EDF 6211 or 6215 Psychological Foundations and \* SCE 4330 or SCE 4305, and

5. CLAST, GKT, Praxis I or GRE is required. For the GRE the following scores are required: V:430, Q:570, AW:4.
6. Proof of educational or professional experience.
7. Proof of initial certification or relevant degree (Plan I).

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

### DEGREE PROGRAM REQUIREMENTS

#### Plan I

Program of Study: 33 hours minimum

- A. Process Core 12 hours  
EDF 6432  
EDF 6211 or EDF 6215  
EDF 6517 or EDF 6544 or EDF 6606  
EDF 6481 or an equivalent research methods course.
- B. Current Trends in Science Education (SCE 6634) 3 hours
- C. Specialization: 18 hours minimum – courses to be taken in the College of Arts and Sciences based on the prior background and interests of the student.
- D. Comprehensive Examination

#### Plan II

Program Requirements:

Program of Study: 60 hours minimum

- A. Process Core 15-16 hrs.  
EDF 6432  
EDF 6211 or EDF 6215  
EDF 6481  
EDF 6517 or EDF 6544 or EDF 6606  
EDG 6627\*  
\*(Students may take EDG 4620 in lieu of EDG 6627)
- B. ESE 5344 Classroom Management 3 hours
- C. FLE 5365 ESOL Competencies & Strategies 3 hours
- D. Professional Science Education Courses (15 hours)  
SCE 4305 Reading and Communication in Science Education (3)  
SCE 4320 Methods Middle School Science (3)

- SCE 4330 Methods Secondary School Science (3)
- SCE 6737 STS (3)
- SCE 6634 Current Trends in Science Education (3)  
(Any course substitutions must be approved by the Program Coordinator)

E. Specialization 18 hours minimum (Courses taken in the College of Arts and Sciences)

F. Internship 6 hours. For further information, access [www.coedu.usf.edu/sas](http://www.coedu.usf.edu/sas)

G. Comprehensive examination

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria

### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>



## SCIENCE EDUCATION PROGRAM

### Master of Arts in Teaching (M.A.T.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	33-60
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Check with Program

<b>CIP Code:</b>	13.1316
<b>Dept Code:</b>	EDI
<b>Program (Major/College):</b>	TSC ED

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Secondary Education
<b>Program Coordinator:</b>	Elaine Howes
<b>Other Contact:</b>	Dana L. Zeidler
<b>Phone:</b>	813-974-2816
<b>Fax:</b>	813-974-3837
<b>Email:</b>	<a href="mailto:Ehowes@coedu.usf.edu">Ehowes@coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

**Mailing Address:**  
 University of South Florida  
 College of Education  
 Secondary Education  
 4202 E. Fowler Avenue EDU162  
 Tampa FL 33620

---

#### PROGRAM INFORMATION

##### Program Description

The Masters of Arts in Teaching (M.A.T.) in Science Education is designed for individuals with a bachelor's degree in science (or equivalent) who wish to become certified teachers in science education at the middle or senior high school level. This program leads to teaching certification in grade 6-12 science education as part of the master's degree program. For the general program structure, admission and program requirements, please see

<http://web.usf.edu%7Esl/MASTRACI/MATScience.htm>

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**This program is not yet open to admission.**

**SCIENCE EDUCATION, BIOLOGY CONCENTRATION****Master of Education (M.Ed.) Degree in the Curriculum and Instruction Program  
With a concentration in Science Education, Biology****DEGREE INFORMATION****Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	39
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	CBI

**CONTACT INFORMATION**

<b>College:</b>	Education
<b>Department:</b>	Secondary Education
<b>Program Coordinator:</b>	Elaine Howes
<b>Other Contact:</b>	Dana L. Zeidler
<b>Phone:</b>	813-974-2816
<b>Fax:</b>	813-974-3837
<b>Email:</b>	<a href="mailto:Ehowes@coedu.usf.edu">Ehowes@coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

**Mailing Address:**  
University of South Florida  
College of Education  
Secondary Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

**PROGRAM INFORMATION****Program Description**

The M.Ed. degree in Curriculum and Instruction is a flexible program intended to improve the skills of the classroom teacher. The program will be planned with the student's advisory committee. At least 60 percent of the program hours must be at the 6000 level.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Requirements for all applicants include:

1. Minimum GPA of 3.0 in work done as an upper division student in the Baccalaureate degree
2. Proof of at least two years of educational or professional experience as judged by the program faculty.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See

<http://web.usf.edu/iav/admissions/language.html>. for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>.

**DEGREE PROGRAM REQUIREMENTS****Program of Study                      39 hours minimum**

**A. Process Core**                      15 hours)  
EDF 6432 (3) Foundations of Measurement  
EDF 6481 (3) Foundations of Educational Research  
EDF 6211 or EDF 6215 (3) Psy. Foundations or Learning Principles  
EDF 6517, EDF 6544, or EDF6606 (3) Social Foundations of Education  
EDG 6627 (3) Curriculum

**B. Science Education Specialization** 18 hours minimum, to include:  
SCE 6634 Trends in Science Education 3 hours  
Specialization (content) Coursework 15 hours from the College of Arts and Sciences and/or the College of Education as determined by the program advisor.

**C. Electives**  
(6 hours in COE courses approved by program faculty)

**D. Comprehensive Examination****COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

**SCIENCE EDUCATION, CHEMISTRY CONCENTRATION****Master of Education (M.Ed.) Degree in the Curriculum and Instruction Program  
With a concentration in Science Education, Chemistry****DEGREE INFORMATION****Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	CCH

**CONTACT INFORMATION**

<b>College:</b>	Education
<b>Department:</b>	Secondary Education
<b>Program Coordinator:</b>	Elaine Howes
<b>Other Contact:</b>	Dana L. Zeidler
<b>Phone:</b>	813-974-2816
<b>Fax:</b>	813-974-3837
<b>Email:</b>	<a href="mailto:Ehowes@coedu.usf.edu">Ehowes@coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

**Mailing Address:**

University of South Florida  
College of Education  
Secondary Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

**PROGRAM INFORMATION****Program Description**

The M.Ed. degree in Curriculum and Instruction is a flexible program intended to improve the skills of the classroom teacher. The program will be planned with the student's advisory committee. At least 60 percent of the program hours must be at the 6000 level.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Requirements for all applicants include:

3. Minimum GPA of 3.0 in work done as an upper division student in the Baccalaureate degree
4. Proof of at least two years of educational or professional experience as judged by the program faculty.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213

computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>.

**DEGREE PROGRAM REQUIREMENTS****Program of Study 39 hours minimum**

**A. Process Core 15 hours**  
EDF 6432 (3) Foundations of Measurement  
EDF 6481 (3) Foundations of Educational Research  
EDF 6211 or EDF 6215 (3) Psy. Foundations or Learning Principles  
EDF 6517, EDF 6544, or EDF6606 (3) Social Foundations of Education  
EDG 6627 (3) Curriculum

**B. Science Education Specialization 18 hours minimum, to include:**

SCE 6634 Trends in Science Education 3 hours  
Specialization (content) Coursework 15 hours from the College of Arts and Sciences and/or the College of Education as determined by the program advisor.

**C. Electives**

(6 hours in COE courses approved by program faculty)

**D. Comprehensive Examination****COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

**SCIENCE EDUCATION, PHYSICS CONCENTRATION****Master of Education (M.Ed.) Degree in the Curriculum and Instruction Program  
With a concentration in Science Education, Physics****DEGREE INFORMATION**

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	CPY

**CONTACT INFORMATION**

<b>College:</b>	Education
<b>Department:</b>	Secondary Education
<b>Program Coordinator:</b>	Elaine Howes
<b>Other Contact:</b>	Dana L. Zeidler
<b>Phone:</b>	813-974-2816
<b>Fax:</b>	813-974-3837
<b>Email:</b>	<a href="mailto:Ehowes@coedu.usf.edu">Ehowes@coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

**Mailing Address:**  
University of South Florida  
College of Education  
Secondary Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

**PROGRAM INFORMATION****Program Description**

The M.Ed. degree in Curriculum and Instruction is a flexible program intended to improve the skills of the classroom teacher. The program will be planned with the student's advisory committee. At least 60 percent of the program hours must be at the 6000 level.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Requirements for all applicants include:

1. Minimum GPA of 3.0 in work done as an upper division student in the Baccalaureate degree
2. Proof of at least two years of educational or professional experience as judged by the program faculty.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See

<http://web.usf.edu/iav/admissions/language.html>. for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>.

**DEGREE PROGRAM REQUIREMENTS**

**Program of Study**                      **39 hours minimum**

**A. Process Core**                      15 hours)  
EDF 6432 (3) Foundations of Measurement  
EDF 6481 (3) Foundations of Educational Research  
EDF 6211 or EDF 6215 (3) Psy. Foundations or Learning Principles  
EDF 6517, EDF 6544, or EDF6606 (3) Social Foundations of Education  
EDG 6627 (3) Curriculum

**B. Science Education Specialization** 18 hours minimum, to include:  
SCE 6634 Trends in Science Education 3 hours  
Specialization (content) Coursework 15 hours from the College of Arts and Sciences and/or the College of Education as determined by the program advisor.

**C. Electives**  
(6 hours in COE courses approved by program faculty)

**D. Comprehensive Examination**

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>.

## SCIENCE EDUCATION CONCENTRATION

### Education Specialist (Ed. S.) Degree in the Curriculum and Instruction Program With a concentration in Science Education

---

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	Not accepting applications
<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Specialist
<b>Program Status:</b>	Inactive
<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	SSC

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Secondary Education
<b>Program Coordinator:</b>	Dana L. Zeidler
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-7305
<b>Fax:</b>	813-974-3837
<b>Email:</b>	<a href="mailto:Zeidler@tempest.coedu.usf.edu">Zeidler@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

**Mailing Address:**  
 University of South Florida  
 College of Education  
 Secondary Education  
 4202 E. Fowler Avenue EDU162  
 Tampa FL 33620

---

**Inactive.** Currently, no students are being admitted to this program.

## SCIENCE EDUCATION CONCENTRATION

### Doctor of Philosophy (Ph.D.) Degree in the Curriculum and Instruction Program With a concentration in Science Education

---

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours:</b>	75-81
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	DSC

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Secondary Education
<b>Program Coordinator:</b>	Dana L. Zeidler
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-7305
<b>Fax:</b>	813-974-3837
<b>Email:</b>	<a href="mailto:Zeidler@tempest.coedu.usf.edu">Zeidler@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

**Mailing Address:**  
University of South Florida  
College of Education  
Secondary Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

---

#### PROGRAM INFORMATION

The Science Education doctoral program in the College of Education is committed to providing students with opportunities to examine and expand their pedagogical content knowledge and to immerse themselves in the research process. In doing so, the program is able to graduate exceptional leaders to the field. The collective philosophy of the Science Education program, therefore, is to foster a vision of science literacy that encourages: constructing theoretical and practical knowledge of the natures of science, developing habits of mind open to multiple scientific perspectives, stressing skepticism and critical thinking, developing conceptual understanding of epistemology applied to pedagogical content knowledge, embedding science in cultural, moral and historical contexts, and providing opportunities for students to generate their own meaningful questions and design approaches to investigate original issues relevant to the science education community.

The exploration of past, present, and future practices, and understanding how current decisions affect future trends is approached through a close professional and personal relationship between faculty and graduate students. This relationship includes advising and working together in directed studies and seminars, professional associations, and informal gatherings as well as discussions about issues in education in general, and science education in particular. The fact that graduate students are regarded as professional colleagues with unique areas of expertise from the beginning of their association with the department contributes substantially to their development as science educators.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

The applicant for admission to Ph.D. study must present satisfactory evidence of:

1. Minimum undergraduate grade point average of 3.0 (B) on a 4.0 scale in upper division undergraduate coursework or a grade point average of 3.5 at the master's level; and official GRE scores of V:500, Q:550, AW: 4.5 or higher.
2. A master's degree from a regionally accredited institution of higher education or international equivalent.
3. Three letters of recommendation submitted to the program coordinator. A meeting with one or more program faculty may be requested.

4. A one to two page personal statement of philosophy and purpose for pursuing doctoral studies in science education.
5. Evidence of prior teaching experience (preferably).
6. Favorable recommendations from program faculty.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>.

## DEGREE PROGRAM REQUIREMENTS

The program is 75-81 hours in length, minimum:

### Curriculum 3 hrs.

**Concentration/Specialization Course Work 18 hrs.**, of which at least 12 hrs. must be at the 7000 level, or 6000 level with advanced graduate standing.

In the specialization, students may select from any science content courses offered at the time of study. Course titles and offerings may change as they are updated or added. Courses taught over the last two years are listed below. Courses may include, but are not limited to:

- Epistemology and Nature of Science
- Cognition and Reasoning in Science Education
- Moral and Ethical Issues in Science and Society
- Cultural Diversity in Science Education
- Current Trends in Science Education
- Technology: Solving Societal Problems
- Marine Science Education: Building Communities I, and II.

Other courses from related program areas may be used in this area with permission of the program coordinator, and approval from the College.

### Cognate Area 12 hrs.

Courses in this area may be thought of as either a "minor" or a collection of courses that best compliments students' coursework and future research interests.

### Measurement/Statistics/Research Design 11 -16 hrs.

Required: EDF 6407 and EDF 7408

Selection of one qualitative course with the approval of the program committee and college. Selection of an

additional 7000 level quantitative, qualitative and/or methodological course(s) approved by the program committee strongly recommended.

### Foundations 7-8 hrs. minimum

At least one course each must be selected from the Psychological Foundations area and the Philosophical/Social/Historical Foundations area.

### Dissertation – 24 hrs. minimum

## COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## SECOND LANGUAGE ACQUISITION AND INSTRUCTIONAL TECHNOLOGY PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	75
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.401
<b>Dept Code:</b>	EDI
<b>Program (Major/College):</b>	DLT EJ

*Cross-listed under the College of Arts and Sciences, the College of Education and the Interdisciplinary Programs Sections.*

#### CONTACT INFORMATION

<b>Colleges:</b>	Education and Arts and Sciences
<b>Department:</b>	Secondary Education
<b>Program Directors:</b>	Carine Feyten, College of Education <b>and</b> Jeffra Flaitz, College of Arts and Sciences 813-974-3400
<b>Phone:</b>	813-974-3400
<b>Email:</b>	<a href="mailto:feytten@usf.edu">feytten@usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/slait">http://www.coedu.usf.edu/slait</a>

##### Mailing Address:

University of South Florida  
College of Education  
SLAIT Program  
4202 E. Fowler Avenue, EDU162  
Tampa, FL 33620

---

#### PROGRAM INFORMATION

This is an interdisciplinary program between the College of Education and the College of Arts and Sciences and combines the expertise of both faculties to provide a curriculum in pedagogy, world language education, second language acquisition, sociolinguistics, socio-cultural theory, instructional technology, and statistics, research design. The goal of the program is to prepare students for careers in academia.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### Major Research Areas:

Second Language Acquisition, Instructional Technology, Foreign Language Education, Distance Learning.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Admission Requirements

In addition to the general admission requirements under the advanced graduate education programs, applicants must:

1. Submit a "Statement of Purpose" relating their career goals specifically to this doctoral program and describing their experience with instructional technology and language teaching;

2. Supply a current curriculum vitae;
3. Provide 3 letters of recommendation from professors or other individuals who can attest to the applicant's experience and background;
4. Offer evidence of research experience or scholarly promise;
5. Meet with the graduate faculty for a personal interview;
6. Take a two-hour background assessment to assist faculty in planning the prospective student's program of studies.

**Most students** admitted to this program will:

1. Possess a Master's degree (or equivalent academic level) from a regionally accredited institution or its international equivalent;
2. present a minimum GPA of 3.5 (or international equivalent)
3. score at or above 500 on the GRE verbal reasoning and 4 on the GRE analytical writing section;
4. Submit a TOEFL score (550 paper-based, 250 computer-based, or 80 internet-based test).

The faculty will evaluate each applicant's dossier based on a composite of variables and goodness of fit with the program.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree



in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html>. for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>.

### **DEGREE PROGRAM REQUIREMENTS**

**Program of Study:** 75 credit hours - core courses (45-46 semester hours); electives 9-12 semester hours); dissertation (18 semester hours)

**COURSES** -See <http://www.ugs.usf.edu/sab/sabs.cfm>

### **OTHER INFORMATION**

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida Department of Education program approval standards, and accreditation criteria.

## SECONDARY EDUCATION CONCENTRATION

### Doctor of Philosophy (Ph.D.) Degree in the Curriculum and Instruction Program With a Concentration in Secondary, Social Science Education

---

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	Students are admitted every two years as part of a cohort.
<b>Minimum Total Hours:</b>	83
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	DSD

#### CONTACT INFORMATION

**College:** Education  
**Department:**  
**Program Coordinator:** Michael J. Berson  
 (Secondary, Social Science Education Concentration)

**Phone:** 813-974-7917  
**Fax:** 813-974-3837  
**Email:** [Berson@tempest.coedu.usf.edu](mailto:Berson@tempest.coedu.usf.edu)  
**Web Address:**  
<http://www.coedu.usf.edu/main/departments/seced/ssePhDchoices.html>

**Mailing Address:**  
 University of South Florida  
 College of Education  
 Secondary Education  
 4202 E. Fowler Avenue EDU162  
 Tampa FL 33620

---

#### PROGRAM INFORMATION

##### Program Description

The Ph.D. in Curriculum and Instruction, with a concentration in Secondary, Social Science Education, is granted on evidence of distinctive academic achievement and by the demonstration of ability to do original, independent investigation culminating in a dissertation. This program is highly individualized. The student's program of study is planned (with the approval of a faculty committee) based upon previous experience and future goals.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**Major Research Areas:** an emphasis in Social Science Education is available.

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent

Admission to the doctoral program in social science education is based on demonstrated potential to complete the course and research requirements of the program, including essential academic skills, substantial professional and content preparation, and commitment to high quality, systematic inquiry and scholarship.

The admissions committee will consider each candidate in light of his or her unique submission and qualifications.

For consideration for admission, students must submit:

1. Official GRE scores
2. A statement of professional goals,
3. 3 letters of recommendation from prior professors, and
4. An interview with the doctoral program coordinator.
5. A 3.5 GPA on a 4.0 scale for all graduate work and 3.0 in upper division undergraduate coursework
6. An undergraduate major in the social sciences or humanities, social sciences education or a closely related field from a regionally

- accredited university or international equivalent,
7. A masters degree in social sciences education or closely related field from a regionally accredited university or international equivalent,
  8. Successful teaching experience in a K-12 setting,
  9. Demonstrated commitment to personal professional growth and development,
  10. Strong academic, analytic and communications skills.

In exceptional cases, students not meeting these minima may submit additional, alternative documentation for their potential for success in doctoral studies. For further information, contact the program coordinator.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>.

### DEGREE PROGRAM REQUIREMENTS

The highly individualized focus of this concentration requires that students make contact with a faculty advisor to determine program requirements.

#### Minimum Degree Program Requirements

Foundations:	7 hours
Curriculum:	3 hours
Specialization:	27 hours
Cognate Field:	12 hours
Research:	16 hours
Dissertation:	18 hours

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## SECONDARY MATHEMATICS PROGRAM (6-12)

### Master of Art in Teaching (M.A.T.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	46
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active <b>New 11/2005!</b>

<b>CIP Code:</b>	13.1311
<b>Dept Code:</b>	EDI
<b>Program (Major/College):</b>	TSM ED

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Secondary Education
<b>Program Coordinator:</b>	Helen Gerretson
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-1272
<b>Fax:</b>	N/A
<b>Email:</b>	<a href="mailto:Gerretso@tempest.coedu.usf.edu">Gerretso@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>

**Mailing Address:**  
 University of South Florida  
 College of Education  
 4202 E. Fowler Avenue EDU162  
 Tampa FL 33620

#### PROGRAM INFORMATION

##### Program Description

The MAT in Secondary Mathematics Education (6-12) is designed for individuals seeking initial certification to teach mathematics at the High School or Middle School levels.

Please be advised that program and/or course requirements are subject to change per state legislative mandates, Florida Department of Education program approval standards and accreditation criteria.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent. Other Admissions Requirements include:

1. A bachelor's degree or equivalent from a regionally accredited university or its international equivalent
2. An earned minimum grade point average of 3.0 on a 4.0 scale average or higher in all upper division undergraduate coursework in the baccalaureate degree.  
 OR  
 GRE scores of 450 Verbal and 550 Quantitative or higher taken within five years

3. Meet one of the following criteria: Have passed the Florida Subject Area Exam in Mathematics 6-12  
 OR  
 Have completed at least 30 credit hours in mathematics to include 6 hours of calculus, 3 hours of linear or abstract algebra, 3 hours of number theory
4. Demonstrate mastery of general knowledge including the ability to read, write, and compute by passing the Florida General Knowledge Test (GKT) or College Level Academic Skills Test (CLAST). For graduate level teacher preparation programs, GRE scores of 450 verbal and 550 quantitative or higher, taken within the last 5 years may be accepted in lieu of GKT or CLAST.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>.

##### DEGREE PROGRAM REQUIREMENTS

Mathematics Education Studies (28 hours)  
 Professional Education Studies (12 hours)  
 Internship (6 hours)

**COURSES** See <http://www.ugs.usf.edu/sab/sabs.cfm>

## SOCIAL SCIENCE EDUCATION PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.1317
<b>Dept Code:</b>	EDI
<b>Program (Major/College):</b>	ASO EJ

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Secondary Education
<b>Program Coordinator:</b>	Barbara Cruz
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-3533
<b>Fax:</b>	813-974-3837
<b>Email:</b>	<a href="mailto:cruz@tempest.coedu.usf.edu">cruz@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/deptseced/socscied">http://www.coedu.usf.edu/deptseced/socscied</a>

##### Mailing Address:

University of South Florida  
College of Education  
Secondary Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

---

#### PROGRAM INFORMATION

##### Program Description

Plan I. This program is designed for teachers certified in social science education, typically with a baccalaureate degree from a college of education. It is an individually planned program based on a student's background and professional goals.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools and by the National Council for the Social Studies.

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Requirements for all applicants include:

1. Minimum GPA of 3.0 upper division undergraduate coursework in the baccalaureate degree
2. Proof of educational or professional experience
3. Proof of professional teaching certificate
4. Graduate coursework may be allowed in lieu of GPA

**For international applicants:** Applicants whose native language is not English or who have not earned a degree

in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>.

#### DEGREE PROGRAM REQUIREMENTS

##### Plan I

Program of Study	30 hours minimum
Process Core	3 hours
Current Trends in Social Science Education (SSE 6636)	3 hours
Special Topics (SSE 6932) Concentration (Courses taken in the College of Arts and Sciences)	6 hours
Comprehensive examination	18 hours

**Plan II** inactive.

##### COURSES

See

<http://www.coedu.usf.edu/main/departments/seced/sseM1courses.html>

<http://www.coedu.usf.edu/main/departments/seced/sseM1courses.html>

## SOCIAL SCIENCE EDUCATION PROGRAM

### Master of Arts in Teaching (M.A.T.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	39
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.1317
<b>Dept Code:</b>	EDI
<b>Program (Major/College):</b>	TSS ED

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Secondary Education
<b>Program Coordinator:</b>	Barbara Cruz
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-3533
<b>Fax:</b>	813-974-3837
<b>Email:</b>	<a href="mailto:cruz@tempest.coedu.usf.edu">cruz@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/deptseced/socscied">http://www.coedu.usf.edu/deptseced/socscied</a>

**Mailing Address:**

University of South Florida  
 College of Education  
 Secondary Education  
 4202 E. Fowler Avenue EDU162  
 Tampa FL 33620

---

#### PROGRAM INFORMATION

The MAT degree is for individuals with a bachelor's degree in a field other than education who wish to become certified teachers in social science at the middle or senior high school level. This program leads to teaching certification in grade 6-12 social sciences as part of the master's degree program. For the general program structure, admission and program requirements, refer to the College of Education listing or contact the program.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools and the National Council for the Social Studies.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Requirements for all applicants include:

1. Minimum GPA of 3.0 in upper division coursework in the Baccalaureate degree
2. CLAST or GKT
3. Graduate coursework may be allowed in lieu of GPA

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>.

#### DEGREE PROGRAM REQUIREMENTS

<b>Program of Study</b>	<b>39 hours</b>
Minimum	
Process Core	24 hours
Current Trends in Social Science Education (SSE 6636)	3 hours
Special Topics (SSE 6932)	6 hours
Internship	6 hours
Comprehensive Examination	

Consult the Program website, [www.coedu.usf.edu/deptseced/socscied](http://www.coedu.usf.edu/deptseced/socscied), or the program's coordinator for specific requirements.

#### COURSES

See <http://www.coedu.usf.edu/main/departments/seced/sseMATcourses.html>

## SOCIAL SCIENCE EDUCATION CONCENTRATION

### Master of Education (M.Ed.) Degree in the Curriculum and Instruction Program With a concentration in Social Science Education

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	CSO

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Secondary Education
<b>Program Coordinator:</b>	Barbara Cruz
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-3533
<b>Fax:</b>	813-974-3837
<b>Email:</b>	<a href="mailto:cruz@tempest.coedu.usf.edu">cruz@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/deptseced/socscied">http://www.coedu.usf.edu/deptseced/socscied</a>

##### Mailing Address:

University of South Florida  
College of Education  
Secondary Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

---

#### PROGRAM INFORMATION

##### Program Description

This program is designed for professionals who have at least two years of relevant experience in the field, typically, teachers certified in social science education with a baccalaureate degree from a College of Education. Within the M.Ed. framework, the degree is an individually planned program based on a student's background and professional goals. Contact the program coordinator for more information.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools and the National Council for the Social Studies.

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Requirements for all applicants include:

1. Minimum GPA of 3.0 upper division undergraduate coursework
2. Proof of 2 years of relevant educational or professional experience as judged by program faculty
3. Proof of teaching certification

4. Graduate coursework may be allowed in lieu of GPA or GRE requirement

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>.

#### DEGREE PROGRAM REQUIREMENTS

**Program of Study:** 33 hours min.

Process Core	15 hours
Specialization	9 hours
COE Electives	9 hours
Comprehensive Exam	

Consult the Program website, [www.coedu.usf.edu/deptseced/socscied](http://www.coedu.usf.edu/deptseced/socscied), or the program's coordinator for specific requirements.

#### COURSES

See

<http://www.coedu.usf.edu/main/departments/seced/sseMEdcourses.html>

## SPECIAL EDUCATION, BEHAVIOR DISORDERS PROGRAM

### Master of Arts (M.A.) Degree

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.1005
<b>Dept Code:</b>	EDS
<b>Program (Major/College):</b>	ABD ED

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Special Education
<b>Program Coordinator:</b>	Tanice Knopp
<b>Other Contact:</b>	Daphne Thomas
<b>Phone:</b>	813-974-9452 or 813-974-9941
<b>Fax:</b>	813-974-5542
<b>Email:</b>	<a href="mailto:spedadvisor@coedu.usf.edu">spedadvisor@coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/main/departments/sped/MastersDegree.html">http://www.coedu.usf.edu/main/departments/sped/MastersDegree.html</a>

**Mailing Address:**

University of South Florida  
College of Education  
Special Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

#### PROGRAM INFORMATION

**Program Description**

The Master's Programs in the Department of Special Education prepare special education teacher leaders for work in public and private schools and in state, federal, or community settings. Specific areas of education and training include behavior disorders, mental retardation, specific learning disabilities, and varying exceptionalities (exceptional student education.) The program is designed to ensure that all graduates are prepared to be reflective practitioners, able to evaluate and continuously learn from their own teaching; collaborative professionals who affirm diversity; knowledgeable of theory and research; and skilled in the best practices of special education. Graduates of this program will have advanced clinical and pedagogical skills in working with children with disabilities and their families. The program is structured so that students can maintain full-time employment while pursuing their degrees through traditional, web-enhanced and on-line course delivery.

After admission to a program, the candidate and the department advisor together chart a program of study incorporating both core requirements and courses of specific interest to the student. All programs stress field application..

**Accreditation:** Accredited by the Commission on Colleges and Schools of the Southern Association of College and Schools and the National Council for the Accreditation of Teacher Education (NCATE)..

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

For admission, programs require earned degrees from regionally accredited institutions or an international equivalent.

Other Requirements include:

1. An earned baccalaureate degree or its equivalent from a regionally accredited college or university, or its international equivalent.
2. Scholastic evidence to successfully perform in the academic program, as indicated by one of the following:
  - a. An earned graduate degree from a regionally accredited college or university.
  - b. A minimum GPA for 3.0 on a 4.0 scale in upper division undergraduate coursework.
  - c. The following minimum GRE scores:
 

Verbal	430
Quantitative	470
Analytical Writing	4
3. A Professional Goals Statement that addresses why the candidate desires to pursue an MA degree in special education.
4. At least two (2) letters of recommendation from persons who have observed the



candidate teach and/or work with children and youth.

5. Interview with the MA program faculty.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>.

## DEGREE PROGRAM REQUIREMENTS

All Special Education programs are currently under review. Students are advised to work closely with program advisors in the department when developing their programs of study.

**Plan I** - The M.A. program in special education is a 36-hour program, designed for students with an undergraduate degree in special education.

This program is delivered through a number of formats. Evening and on-line courses are offered during the Fall, Spring and Summer semesters. Daytime courses are sometimes offered during the summer. Students usually take one or two courses a semester and complete their program of study within two to four years. Students are required to take courses two of the three semesters each calendar year and they must complete their program of study within 7 years of their admission date.

**Program of Study:** (36 hour minimum)

Process Core: (3 hours)

EDF 6481 Foundations of Educational Research

Special Education Program Core: (21 hours minimum)

EEX 6025 EEX 6612 EEX 6222

EEX 6245 EEX 6732 EEX 5752

EEX 6248 EEX 6939

\* Not required, if equivalent course taken in undergraduate program.

Concentration: (9 hours)

Behavior Disorder course (3 hours)

EED 6215

Electives: (6 hours)

Elective coursework relevant to the student's concentration is required and must be approved by the faculty advisor prior to registering for the course.

Comprehensive Examination: (3 hours) A project is required to fulfill the comprehensive examination requirement.

EEX 6943

**Plan II** – This program is **no longer offered**. See the M.A.T. in Varying Exceptionalities (Exceptional Student Education-ESE) to earn a graduate degree and certification in ESE and ESOL.

**Plan III** - This option is available for students who do not hold an undergraduate degree in special education. An interview is required for all students seeking admission to the Plan III Program. Contact student advisor to schedule..

**COURSES** See <http://www.ugs.usf.edu/sab/sabs.cfm>

## SPECIAL EDUCATION, GIFTED PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.1004
<b>Dept Code:</b>	EDS
<b>Program (Major/College):</b>	AGI ED

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Special Education
<b>Program Coordinator:</b>	Elizabeth Shaunessy
<b>Other Contact:</b>	Easter Curry
<b>Phone:</b>	813-974-7007 or 813-974-9941
<b>Fax:</b>	813-974-5542
<b>Email:</b>	<a href="mailto:Shaunessy@coedu.usf.edu">Shaunessy@coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/main/departments/sped/gifted/index.html">http://www.coedu.usf.edu/main/departments/sped/gifted/index.html</a>

#### Mailing Address:

University of South Florida  
College of Education  
Special Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

---

#### PROGRAM INFORMATION

##### Program Description

The Master's Program in Gifted Education (Plan I) provides advanced training for certified teachers to work with gifted and talented students and with other teachers on a consultant or collaborative basis. The majority of the required courses for this program are delivered through an on-line format. Emphasis is placed on developing specific skills in identification of gifted students; focusing on the characteristics and needs of special populations; assessing students' cognitive and affective strengths; modifying educational programs to develop gifted students' potential; and consulting with gifted students, their families, and teachers. This program qualifies students for the State of Florida Endorsement in Gifted Education.

After admission to a program, the candidate and the department advisor together chart a program of study incorporating both core requirements and courses of specific interest to the student. All programs stress field based experiences: practica and internships. Students provide their own transportation to practicum and internship sites.

**Accreditation:** Accredited by the Commission on Colleges and Schools of the Southern Association of Colleges and Schools.

---

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Admissions Requirements include:

1. An earned bachelor's degree or its equivalent from a regionally accredited college or university
2. An undergraduate GPA of 3.0 on a 4.0 scale as an upper division student in a baccalaureate degree or the following GRE Scores:
  - Verbal: 550 or Analytical Writing: 3.5
  - Quantitative: 520
3. Evidence of successful teaching experiences (at least two years) in a K-12 school setting
4. Two letters of recommendation from administrators familiar with applicant's professional teaching experience and expertise
5. A statement of professional goals
6. Copy of professional teaching certificate (not a temporary certificate)
7. Evidence that applicant currently holds a teaching position in a K-12 setting

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>.

## DEGREE PROGRAM REQUIREMENTS

EEX 6025 or EEX 4011 or EEX 4070 (prerequisite)

**Program of Study:** 36 hours  
Process Core: (3 hours)– EDF 6481

Current Trends in Special Education: (3 hours)–  
EEX 6939

Concentration: (24 hours)  
Special Education Program Core: (3 hours)  
EEX 6222

Concentration/Specialization Courses (21 hours)  
EGI 5051 EGI 5325 EGI 6232 EGI 6936 EGI 6416  
EGI 6943 (6 hours)

Electives: (6 hours)

Comprehensive Examination

For information on other options and requirements  
contact the program.

A **Graduate Certificate in Gifted Education** is also available. More information on this certificate program can be obtained in the certificate area of the catalog at: <http://www.outreach.usf.edu/gradcerts/certinfo.asp?certname=GE> The Graduate Certificate equates to the Florida endorsement in Gifted Education (15 hours).

## COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## SPECIAL EDUCATION, MENTAL RETARDATION PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.1006
<b>Dept Code:</b>	EDS
<b>Program (Major/College):</b>	AMR ED

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Special Education
<b>Program Coordinator:</b>	Tanice Knopp
<b>Other Contact:</b>	Daphne Thomas
<b>Phone:</b>	813-974-9452 or 813-974-9941
<b>Fax:</b>	813-974-5542

**Email:** [spedadvisor@coedu.usf.edu](mailto:spedadvisor@coedu.usf.edu)

**Web Address:**

<http://www.coedu.usf.edu/main/departments/sped/MastersDegree.html>

**Mailing Address:**

University of South Florida  
College of Education  
Special Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

---

#### PROGRAM INFORMATION

**Program Description**

The Master's Programs in the Department of Special Education prepare special education teacher leaders for work in public and private schools and in state, federal, or community settings. Specific areas of education and training include behavior disorders, mental retardation, specific learning disabilities, and varying exceptionalities (exceptional student education). The program is designed to ensure that all graduates are prepared to be reflective practitioners, able to evaluate and continuously learn from their own teaching; collaborative professionals who affirm diversity; knowledgeable of theory and research; and skilled in the best practices of special education. Graduates of this program will have advanced clinical and pedagogical skills in working with children with disabilities and their families. The program is structured so that students can maintain full-time employment while pursuing their degrees through traditional, web-enhanced and on-line course delivery.

After admission to a program, the candidate and the department advisor together chart a program of study incorporating both core requirements and courses of specific interest to the student. All programs stress field application.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools and the National Council for the Accreditation of Teacher Education (NCATE).

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

**Requirements include:**

1. An earned baccalaureate degree or its equivalent from a regionally accredited college or university, or its international equivalent.
2. Scholastic evidence to successfully perform in the academic program, as indicated by one of the following:
  - a. An earned graduate degree from a regionally accredited college or university.
  - b. A minimum GPA of 3.0 on a 4.0 scale in upper division undergraduate coursework.
  - c. The following minimum GRE scores:
 

Verbal	430
Quantitative	470
Analytical Writing	4
3. A Professional Goals Statement that addresses why the candidate desires to pursue an MA degree in special education.

4. At least two (2) letters of recommendation from persons who have observed the candidate teach and/or work with children and youth
5. Interview with the MA program faculty.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international> .html.

### DEGREE PROGRAM REQUIREMENTS

All Special Education programs are currently under review. Students are advised to work closely with program advisors in the department when developing their programs of study.

**Plan I** - The M.A. program in special education is a 36-hour program, designed for students with an undergraduate degree in special education.

This program is delivered through a number of formats. Evening and online courses are offered during the Fall, Spring and Summer semesters. Daytime courses are sometimes offered during the summer. Students usually take one or two courses a semester and complete their program of study within two to four years. Students are required to take courses two of the three semesters each calendar year and they must complete their program of study within 7 years of their admission date.

**Program of Study:** 36 hour minimum  
Process Core: (3 hours)  
 EDF 6481 Foundations of Educational Research

Special Education Program Core: (21 hours minimum)  
 EEX 6025\* EEX 6612 EEX 6222  
 EEX 6245 EEX 6732 EEX 5752  
 EEX 6248 EEX 6939

\* Not required, if equivalent course taken in undergraduate program.

Concentration: (9 hours)  
 Mental Retardation course (3 hours)  
 EMR 6053

Electives: (6 hours)  
 Elective coursework relevant to the concentration is required and must be approved by the faculty advisor prior to registering for the course.

Comprehensive Examination: (3 hours) A project is required to fulfill the comprehensive examination requirement.  
 EEX 6943

**Plan II** - This program is **no longer offered**. See the M.A.T. in Varying Exceptionalities (Exceptional Student Education-ESE) to earn a graduate degree and certification in ESE and ESOL.

**Plan III** – This option is available for students who do not hold an undergraduate degree in special education. An interview is required for all students seeking admission to the Plan III Program. Contact student advisor to schedule.

### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## SPECIAL EDUCATION, MOTOR DISABILITIES PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
Not accepting applications

**Minimum Total Hours:** 36  
**Program Level:** Masters  
**Program Status:** Inactive

**CIP Code:** 13.1001  
**Dept Code:** EDS  
**Program (Major/College):** AMD ED

#### CONTACT INFORMATION

**College:** Education  
**Department:** Special Education  
**Program Coordinator:** Tanice Knopp  
**Other Contact:** Daphne Thomas  
**Phone:** 813-974-1383 or  
813-974-9941  
**Fax:** 813-974-5542  
**Email:** [Dthomas@tempest.coedu.usf.edu](mailto:Dthomas@tempest.coedu.usf.edu)  
**Web Address:** [www.coedu.usf.edu](http://www.coedu.usf.edu)

**Mailing Address:**  
 University of South Florida  
 College of Education  
 Special Education  
 4202 E. Fowler Avenue EDU162  
 Tampa FL 33620

---

**Inactive.** Currently, no students are being admitted to this program.

## SPECIAL EDUCATION, SPECIFIC LEARNING DISABILITIES PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.1011
<b>Dept Code:</b>	EDS
<b>Program (Major/College):</b>	ALD ED

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Special Education
<b>Program Coordinator:</b>	Tanice Knopp
<b>Other Contact:</b>	Daphne Thomas
<b>Phone:</b>	813-974-9452 or 813-974-9941
<b>Fax:</b>	813-974-5542
<b>Email:</b>	<a href="mailto:spedadvisor@coedu.usf.edu">spedadvisor@coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/main/departments/sped/MastersDegree.html">http://www.coedu.usf.edu/main/departments/sped/MastersDegree.html</a>

#### Mailing Address:

University of South Florida  
College of Education  
Special Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

---

#### PROGRAM INFORMATION

##### Program Description

The Master's Programs in the Department of Special Education prepare special education teacher leaders for work in public and private schools and in state, federal, or community settings. Specific areas of education and training include behavior disorders, mental retardation, specific learning disabilities, and varying exceptionalities (exceptional student education). The program is designed to ensure that all graduates are prepared to be reflective practitioners, able to evaluate and continuously learn from their own teaching; collaborative professionals who affirm diversity; knowledgeable of theory and research; and skilled in the best practices of special education. Graduates of this program will have advanced clinical and pedagogical skills in working with children with disabilities and their families. The program is structured so that students can maintain full-time employment while pursuing their degrees through traditional, web-enhanced and on-line course delivery.

After admission to a program, the candidate and the department advisor together chart a program of study incorporating both core requirements and courses of specific interest to the student. All programs stress field application.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Other requirements include:

1. An earned baccalaureate degree or its equivalent from a regionally accredited college or university, or its international equivalent.
2. Scholastic evidence to successfully perform in the academic program, as indicated by one of the following:
  - a. An earned graduate degree from a regionally accredited college or university.
  - b. A minimum GPA of 3.0 on a 4.0 scale in upper division undergraduate coursework.
  - c. The following minimum GRE scores:
 

Verbal	430
Quantitative	470
Analytical Writing	4
3. A Professional Goals Statement that addresses why the candidate desires to pursue an MA degree in special education.
4. At least two (2) letters of recommendation from persons who have observed the candidate teach and/or work with children and youth.

5. Interview with the MA program faculty.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international> .html.

## DEGREE PROGRAM REQUIREMENTS

All Special Education programs are currently under review. Students are advised to work closely with program advisors in the department when developing their program of study.

**Plan I** - The M.A. program in special education is a 36-hour program, designed for students with an undergraduate degree in special education.

This program is delivered through a number of formats. Evening and online courses are offered during the Fall, Spring and Summer semesters. Daytime courses are sometimes offered during the summer. Students usually take one or two courses a semester and complete their program of study within two to four years. Students are required to take courses two of the three semesters each calendar year and they must complete their program of study within 7 years of their admission date.

**Program of Study:** 36 hour minimum  
Process Core: (3 hours)  
 EDF 6481 Foundations of Educational Research

Special Education Program Core: (21 hours minimum)  
 EEX 6025\* EEX 6612 EEX 6222  
 EEX 6245 EEX 6732 EEX 5752  
 EEX 6248 EEX 6939

\* Not required, if equivalent course taken in undergraduate program.

Concentration: (9 hours)  
 Specific Learning Disabilities course (3 hours)  
 ELD 6015

Electives:  
 Elective coursework relevant to the concentration is required and must be approved by the faculty advisor prior to registering for the course.

Comprehensive Examination: (3 hours) A project is required to fulfill the comprehensive examination requirement.  
 EEX 6943

**Plan II** - This program is **no longer offered**. See the M.A.T. in Varying Exceptionalities (Exceptional Student Education-ESE) to earn a graduate degree and certification in ESE and ESOL.

**Plan III** – This option is available for students who do not hold an undergraduate degree in special education. An interview is required for all students seeking admission to the Plan III Program. Contact Student Advisor to schedule.

## COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>



## SPECIAL EDUCATION, VARYING EXCEPTIONALITIES (ESE) PROGRAM

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.1001
<b>Dept Code:</b>	EDS
<b>Program (Major/College):</b>	AVE ED

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Special Education
<b>Program Coordinator:</b>	Tanice Knopp
<b>Other Contact:</b>	Daphne Thomas
<b>Phone:</b>	813-974-9452 or 813-974-9941
<b>Fax:</b>	813-974-5542
<b>Email:</b>	<a href="mailto:spedadvisor@coedu.usf.edu">spedadvisor@coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/main/departments/sped/MastersDegree.html">http://www.coedu.usf.edu/main/departments/sped/MastersDegree.html</a>

#### Mailing Address:

University of South Florida  
College of Education  
Special Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

---

#### PROGRAM INFORMATION

##### Program Description

The Master's Programs in the Department of Special Education prepare special education teacher leaders for work in public and private schools and in state, federal, or community settings. Specific areas of education and training include behavior disorders, mental retardation, specific learning disabilities, and varying exceptionalities (exceptional student education). The program is designed to ensure that all graduates are prepared to be reflective practitioners, able to evaluate and continuously learn from their own teaching; collaborative professionals who affirm diversity; knowledgeable of theory and research; and skilled in the best practices of special education. Graduates of this program will have advanced clinical and pedagogical skills in working with children with disabilities and their families. The program is structured so that students can maintain full-time employment while pursuing their degrees through traditional, web-enhanced and on-line course delivery.

After admission to a program, the candidate and the department advisor together chart a program of study incorporating both core requirements and courses of specific interest to the student. All programs stress field application.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Other requirements include:

1. An earned baccalaureate degree or its equivalent from a regionally accredited college or university, or its international equivalent.
2. Scholastic evidence to successfully perform in the academic program, as indicated by one of the following:
  - a. An earned graduate degree from a regionally accredited college or university.
  - b. A minimum GPA of 3.0 on a 4.0 scale in upper division undergraduate coursework.
  - c. The following minimum GRE scores:
 

Verbal	430
Quantitative	470
Analytical Writing	4
3. A Professional Goals Statement that addresses why the candidate desires to pursue an MA degree in special education.

4. At least two (2) letters of recommendation from persons who have observed the candidate teach and/or work with children and youth.
5. Interview with the MA program faculty.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international> .html.

### DEGREE PROGRAM REQUIREMENTS

All Special Education programs are currently under review. Students are advised to work closely with program advisors in the department when developing their program of study.

**Plan I** - The M.A. program in special education is a 36-hour program, designed for students with an undergraduate degree in special education.

This program is delivered through a number of formats. Evening and online courses are offered during the Fall, Spring and Summer semesters. Daytime courses are sometimes offered during the summer. Students usually take one or two courses a semester and complete their program of study within two to four years. Students are required to take courses two of the three semesters each calendar year and they must complete their program of study within 7 years of their admission date.

**Program of Study:** 36 hour minimum  
Process Core: (3 hours)  
 EDF 6481 Foundations of Educational Research

Special Education Program Core: (21 hours minimum)  
 EEX 6025\* EEX 6612 EEX 6222  
 EEX 6245 EEX 6732 EEX 5752  
 EEX 6248 EEX 6939

\* Not required, if equivalent course taken in undergraduate program.

Concentration: (9 hours)  
 Varying Exceptionalities courses  
 EED 6215 ELD 6015 EMR 6052

Comprehensive Examination: (3 hours) A project is required to fulfill the comprehensive examination requirement.  
 EEX 6943

**Plan II** - This program is **no longer offered**. See the M.A.T. in Varying Exceptionalities (Exceptional Student Education-ESE) to earn a graduate degree and certification in ESE and ESOL.

**Plan III** – This option is available for students who do not hold an undergraduate degree in special education. An interview is required for all students seeking admission to the Plan III Program. Contact Student Advisor to schedule.

### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## SPECIAL EDUCATION, VARYING EXCEPTIONALITIES (ESE) PROGRAM

### Master of Arts in Teaching (M.A.T.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36-48
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.1001
<b>Dept Code:</b>	EDS
<b>Program (Major/College):</b>	TVE ED

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Special Education
<b>Program Coordinator:</b>	Karen Colucci
<b>Other Contact:</b>	Betsy Doone
<b>Phone:</b>	813-974-1398 or 813-974-9929
<b>Fax:</b>	813-974-5542

**Email:** [Colucci@tempest.coedu.usf.edu](mailto:Colucci@tempest.coedu.usf.edu)  
[Edoone@tempest.coedu.usf.edu](mailto:Edoone@tempest.coedu.usf.edu)

**Web Address:**  
<http://www.coedu.usf.edu/main/departments/sped/MATprogram/html>

##### Mailing Address:

University of South Florida  
College of Education  
Special Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

---

#### PROGRAM INFORMATION

##### Program Description

The Master of Arts in Teaching/ESOL (M.A.T.) is a new graduate program in special education at the University of South Florida. This program will lead to an M.A.T. in Varying Exceptionalities (ESE)/ESOL and teacher certification. This program requires 36-48 credit hours. Although this program is specifically designed for employed out-of-field teachers in special education who do not hold a professional certificate in teaching, this program of studies can be adjusted to allow students who are certified in elementary and secondary education to participate in the program. Preference will be given to those students who do not hold a professional teaching certificate. Students will be admitted each semester and matriculate as members of a cohort. A new M.A.T. cohort is seated each June.

Students in the M.A.T. Program benefit from an Integrated Curriculum taught in six-hour blocks; on-site mentors who are master teachers within the district that provide one-on-one mentoring for each program participant; and accelerated delivery of course content which allows for completion of the degree in two summers and three academic semesters. All students are required to conduct research in their classrooms, investigating how they may use more effectively research-based interventions. This requires that students

link theory and practice and encourages an inquiring approach to teaching.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Admission Requirements:

1. An earned baccalaureate or its equivalent from a regionally accredited college or university (or its international equivalent) with a minimum GPA of 2.5.
2. Evidence of ability to perform successfully in the academic program as indicated by **one** of the following:
  - a. An earned graduate degree from a regionally accredited college or university or its international equivalent
  - b. A minimum GPA of 3.0 on a 4.0 scale in upper division undergraduate coursework.
  - c. The following minimum GRE scores: 430 Verbal; 470 Quantitative; and 4 Analytical Writing.

3. Evidence of passing scores on all portions of the CLAST or General Knowledge Test.
4. A letter of application that addresses why the candidate desires to pursue a MAT degree in special education.
5. At least two letters of recommendation, preferably from a person who has observed the candidate teach and/or work with children or youth and the other from an administrator or supervisor.
6. Interview with the MAT program faculty.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

**Program may have additional requirements; check before applying.**

### DEGREE PROGRAM REQUIREMENTS

Includes:

- EEX 6051 Creating Positive Learning Environments for Students with Disabilities (6)
- RED 6510 The Reading Process in the Elementary School (3)
- EDF 6122 Psychological Foundations of Education (3)
- FLE 5430 Theory and Practice of Teaching English Language Learners (3)
- EEX 6225 Developing Individualized Educational Programs for students with Disabilities (6)
- MAE 4310 Teach Elementary Math (3)
- EDG 6931 (EEX 6253) Implementing and Evaluating Individualized Programs for Students with Disabilities (6)
- RED 6544 Remediation of Comprehension Problems (3)
- EDF 6432 Foundations of Measurement (3)

FLE 5431 Second Language Acquisition and Literacy in Children and Adolescents (3)

EDG 6947 Internship and Classroom Research (6)

FLE 5432 Language Principles, Acquisition, and Assessment for Teaching English Language Learners (3)

The special requirements for ESOL endorsement through infusion are as follows: Successful completion of (1) ESOL 1, 2, and 3, with a minimum grade of 70% or better on all three sections of the ESOL Comprehensive Exam administered in the three ESOL courses; (2) a 20-hour early ESOL field experience in ESOL 1; (3) a late ESOL field experience where students plan, implement, and evaluate lessons for one or more ESOL students over a series of weeks; and (4) an ESOL folder, containing all assignments and test results from ESOL 1, 2, and 3.

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## SPECIAL EDUCATION, BEHAVIOR DISORDERS CONCENTRATION

**Master of Education (M.Ed.) Degree in the Curriculum and Instruction Program**  
**With a concentration in Special Education, Behavior Disorders**

---

### DEGREE INFORMATION

**Program Admission Deadlines:**  
 Not accepting applications.

**Minimum Total Hours:** 33  
**Program Level:** Masters  
**Program Status:** Inactive

**CIP Code:** 13.0301  
**Dept Code:** CNI  
**Program (Major/College):** CUR ED  
**Concentration Code:** CBD

### CONTACT INFORMATION

**College:** Education  
**Department:** Special Education  
**Program Coordinator:** Tanice Knopp  
**Other Contact:** Dept. Student Advisor  
**Phone:** 813-974-9452 or  
 813-974-9941  
**Fax:** 813-974-5542  
**Email:** [Tknopp@tempest.coedu.usf.edu](mailto:Tknopp@tempest.coedu.usf.edu)  
**Web Address:** <http://www.coedu.usf.edu>

**Mailing Address:**  
 University of South Florida  
 College of Education  
 Special Education  
 4202 E. Fowler Avenue EDU162  
 Tampa FL 33620

---

**Inactive.** Currently, no students are being admitted to this program.

## SPECIAL EDUCATION, GIFTED CONCENTRATION

### Master of Education (M.Ed.) Degree in the Curriculum and Instruction Program With a concentration in **Special Education, Gifted**

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
Not accepting applications

**Minimum Total Hours:** 33  
**Program Level:** Masters  
**Program Status:** Inactive

**CIP Code:** 13.0301  
**Dept Code:** CNI  
**Program (Major/College):** CUR ED  
**Concentration Code:** CGI

#### CONTACT INFORMATION

**College:** Education  
**Department:** Special Education  
**Program Coordinator:** Elizabeth Shaunessy  
**Other Contact:** Dept. Student Advisor  
**Phone:** 813-974-7007 or  
813-974-9941  
**Fax:** 813-974-5274  
**Email:** [Shaunessy@coedu.usf.edu](mailto:Shaunessy@coedu.usf.edu)  
**Web Address:** [www.coedu.usf.edu](http://www.coedu.usf.edu)

**Mailing Address:**  
University of South Florida  
College of Education  
Special Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

---

**Inactive.** Currently, no students are being admitted to this program.

## SPECIAL EDUCATION, MENTAL RETARDATION CONCENTRATION

**Master of Education (M.Ed.) Degree in the Curriculum and Instruction Program**  
**With a concentration in Special Education, Mental Retardation**

### DEGREE INFORMATION

**Program Admission Deadlines:**  
 Not accepting applications.

**Minimum Total Hours:** 33  
**Program Level:** Masters  
**Program Status:** Inactive

**CIP Code:** 13.0301  
**Dept Code:** CNI  
**Program (Major/College):** CUR ED  
**Concentration Code:** CMR

### CONTACT INFORMATION

**College:** Education  
**Department:** Special Education  
**Program Coordinator:** Tanice Knopp  
**Other Contact:** Dept. Student Advisor  
**Phone:** 813-974-9452 or  
 813-974-9941  
**Fax:** 813-974-5542  
**Email:** [Tknopp@tempest.coedu.usf.edu](mailto:Tknopp@tempest.coedu.usf.edu)  
**Web Address:** <http://www.coedu.usf.edu>

**Mailing Address:**  
 University of South Florida  
 College of Education  
 Special Education  
 4202 E. Fowler Avenue EDU162  
 Tampa FL 33620

**Inactive.** Currently, no students are being admitted to this program.

## SPECIAL EDUCATION, MOTOR DISABILITIES CONCENTRATION

### Master of Education (M.Ed.) Degree in the Curriculum and Instruction Program With a concentration in Special Education, Motor Disabilities

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	Not accepting applications
<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Inactive
<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	CMD

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Special Education
<b>Program Coordinator:</b>	Daphne Thomas
<b>Other Contact:</b>	Dept. Student Advisor
<b>Phone:</b>	813-974-1383 or 813-974-9941
<b>Fax:</b>	813-974-5542
<b>Email:</b>	<a href="mailto:Dthomas@tempest.coedu.usf.edu">Dthomas@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu">http://www.coedu.usf.edu</a>
<b>Mailing Address:</b>	University of South Florida College of Education Special Education 4202 E. Fowler Avenue EDU162 Tampa FL 33620

**Inactive.** Currently, no students are being admitted to this program.



## SPECIAL EDUCATION, SPECIFIC LEARNING DISABILITIES CONCENTRATION

**Master of Education (M.Ed.) Degree in the Curriculum and Instruction Program  
With a concentration in Special Education, Specific Learning Disabilities**

### DEGREE INFORMATION

**Program Admission Deadlines:**  
Not accepting applications

**Minimum Total Hours:** 33  
**Program Level:** Masters  
**Program Status:** Inactive

**CIP Code:** 13.0301  
**Dept Code:** CNI  
**Program (Major/College):** CUR ED  
**Concentration Code:** CLD

### CONTACT INFORMATION

**College:** Education  
**Department:** Special Education  
**Program Coordinator:** Daphne Thomas  
**Other Contact:** Dept. Student Advisor  
**Phone:** 813-974-1383 or  
813-974-9941  
**Fax:** 813-974-5542  
**Email:** [Dthomas@tempest.coedu.usf.edu](mailto:Dthomas@tempest.coedu.usf.edu)  
**Web Address:** <http://www.coedu.usf.edu>

**Mailing Address:**  
 University of South Florida  
 College of Education  
 Special Education  
 4202 E. Fowler Avenue EDU162  
 Tampa FL 33620

**Inactive.** Currently, no students are being admitted to this program.

## SPECIAL EDUCATION CONCENTRATION

### Education Specialist (Ed.S.) Degree in the Curriculum and Instruction Program With a concentration in Special Education

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
Not accepting applications

**Minimum Total Hours:** 36  
**Program Level:** Specialist  
**Program Status:** Inactive

**CIP Code:** 13.0301  
**Dept Code:** CNI  
**Program (Major/College):** CUR ED  
**Concentration Code:** SSE

#### CONTACT INFORMATION

**College:** Education  
**Department:** Special Education  
**Program Coordinator:** Daphne Thomas  
**Other Contact:** Dept. Student Advisor  
**Phone:** 813-974-1383 or  
813-974-9941  
**Fax:** 813-974-5542  
**Email:** [Dthomas@tempest.coedu.usf.edu](mailto:Dthomas@tempest.coedu.usf.edu)  
**Web Address:** <http://www.coedu.usf.edu>

**Mailing Address:**  
 University of South Florida  
 College of Education  
 Special Education  
 4202 E. Fowler Avenue EDU162  
 Tampa FL 33620

---

**Inactive.** Currently, no students are being admitted to this program.

## SPECIAL EDUCATION CONCENTRATION

### Doctor of Philosophy (Ph.D.) Degree in the Curriculum and Instruction Program With a concentration in Special Education

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours:</b>	75-81
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active
<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	DSE

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	Special Education
<b>Program Coordinator:</b>	Jeannie Kleinhammer-Tramill
<b>Other Contact:</b>	Dept. Student Advisor
<b>Phone:</b>	813-974-4160 or 813-974-9941
<b>Fax:</b>	813-974-5542
<b>Email:</b>	<a href="mailto:jktramill@tempest.coedu.usf.edu">jktramill@tempest.coedu.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/main/departments/sped/doctora/program.html">http://www.coedu.usf.edu/main/departments/sped/doctora/program.html</a>
<b>Mailing Address:</b>	University of South Florida College of Education Special Education 4202 E. Fowler Avenue EDU162 Tampa FL 33620

#### PROGRAM INFORMATION

##### Program Description

The doctoral program in special education focuses on urban special education and university-school partnerships in preparing researchers, teacher educators, and school leaders. Graduates of the program will have knowledge of the research and philosophical foundations of special education policies and practices; an informed perspective on the ethical issues in the interactions of race, ethnicity, social class and gender with the nature and quality of special education policies, research, teacher education and services; knowledge and skills in the design, implementation and maintenance of university-school partnerships; an interdisciplinary grounding in and respect for multiple genres and methods of inquiry; the ability to conceptualize, plan and conduct research; and the ability to value the conceptual and analytical skills of a scholar. The Department emphasizes interdisciplinary research and development. Faculty members in several departments have joint appointments in special education.

After admission to a program, the student will be assigned a doctoral program advisor who will assist in identifying a major professor.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

All students applying for admission to the doctoral program in the Department of Special Education must meet the USF admission requirements. In addition, the Department of Special Education has the following admission requirements.

Requirements for all applicants:

1. Have a master's or educational specialist's degree, or equivalent, from a regionally accredited college or university (or international equivalent).
2. Have earned a GPA of at least 3.0 on a 4.0 scale in upper division undergraduate coursework, or a minimum GPA of 3.5 on a 4.0 scale in graduate coursework.
3. Have submitted official Graduate Record Examination (GRE).
4. Provide three letters of recommendation from professionals who are familiar with their scholarship and work history.

5. Provide evidence of at least three years of successful work experience in relevant professional roles.
6. Present self professionally in an oral interview with two or more faculty members.
7. Demonstrate the ability to write professionally by submitting a spontaneous writing sample at the time of the interview.
8. Provide a statement of professional goals (immediate, intermediate, and long term) and research interests. Professional goals and research interests should be compatible with the opportunities provided through a doctoral degree in special education.
9. Receive endorsement by the majority of tenured and tenure-earning faculty members in the department.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

#### **DEGREE PROGRAM REQUIREMENTS**

All Special Education programs are currently under review. Students are advised to work closely with program advisors in the department when developing their program of study.

**COURSES:** See <http://www.ugs.usf.edu/sab/sabs.cfm>

**SPECIAL EDUCATION CONCENTRATION****Doctor of Education (Ed.D.) Degree in the Educational Program Development Program  
with a concentration in [Administration of Special Education](#)**

---

**DEGREE INFORMATION**

**Program Admission Deadlines:**  
Not accepting applications

**Minimum Total Hours:** 76-82  
**Program Level:** Doctoral  
**Program Status:** Inactive

**CIP Code:** 13.0301  
**Dept Code:** CNI  
**Program (Major/College):** EPD ED  
**Concentration Code:** ESE

**CONTACT INFORMATION**

<b>College:</b>	<b>Education</b>
<b>Department:</b>	
<b>Program Coordinator:</b>	N/A
<b>Other Contact:</b>	Jim Paul
<b>Phone:</b>	813-974-4160
<b>Fax:</b>	813-974-5542
<b>Email:</b>	<a href="mailto:jpaul@tempest.coedu.usf.edu">jpaul@tempest.coedu.usf.edu</a> <sup>[c2]</sup>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/main/departments/sped/sped.html">http://www.coedu.usf.edu/main/departments/sped/sped.html</a>

**Mailing Address:**  
University of South Florida  
College of Education  
Special Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

---

**Inactive.** Currently, no students are being admitted to this program.

## STUDENT AFFAIRS ADMINISTRATION CONCENTRATION

### Doctor of Philosophy (Ph.D.) Degree in the Curriculum and Instruction Program With a concentration in Student Affairs Administration

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
Not accepting applications

**Minimum Total Hours:** 75-81  
**Program Level:** Doctoral  
**Program Status:** Inactive

**CIP Code:** 13.0301  
**Dept Code:** CNI  
**Program (Major/College):** CUR ED  
**Concentration Code:** DSA

#### CONTACT INFORMATION

**College:** Education  
**Department:** Psychological and Social Foundations  
**Program Coordinator:** Wilma Henry  
**Other Contact:**  
**Phone:** 813-974-3246  
**Fax:** N/A  
**Email:** N/A  
**Web Address:** <http://www.coedu.usf.edu>

**Mailing Address:**  
 University of South Florida  
 College of Education  
 College Student Affairs Program  
 4202 E. Fowler Avenue EDU162  
 Tampa FL 33620

---

**Inactive.** Currently, no students are being admitted to this program.

## THEATRE EDUCATION CONCENTRATION

### Master of Education (M.Ed.) Degree in the Curriculum and Instruction Program With a concentration in Theatre Education

---

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	Not accepting applications
<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	This program is currently closed. Contact the College of Visual and Performing Arts for other options (813-974-2301)
<b>CIP Code:</b>	13.0301
<b>Dept Code:</b>	CNI
<b>Program (Major/College):</b>	CUR ED
<b>Concentration Code:</b>	CTE

#### CONTACT INFORMATION

<b>College:</b>	Education
<b>Department:</b>	
<b>Program Coordinator:</b>	N/A
<b>Other Contact:</b>	N/A
<b>Phone:</b>	813-974-2301
<b>Fax:</b>	N/A
<b>Email:</b>	N/A
<b>Web Address:</b>	<a href="http://www.arts.usf.edu">http://www.arts.usf.edu</a>

**Mailing Address:**  
University of South Florida  
College of Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

---

**Inactive.** Currently, no students are being admitted to this program.

## VOCATIONAL EDUCATION CONCENTRATION

### Education Specialist (Ed.S.) Degree in the Curriculum and Instruction Program With a concentration in Vocational Education

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
**Fall:** March 15  
**Spring:** October 15  
**Summer:** March 1

**Minimum Total Hours:** 36  
**Program Level:** Specialist  
**Program Status:** Active

**CIP Code:** 13.0301  
**Dept Code:** CNI  
**Program (Major/College):** CUR ED  
**Concentration Code:** SVO

#### CONTACT INFORMATION

**College:** Education  
**Department:**  
**Program Coordinator:** Victor Hernandez-Gantes  
**Other Contact:** N/A  
**Phone:** 813-974-1277  
**Fax:** 813-974-3366  
**Email:** [vhgantes@coedu.usf.edu](mailto:vhgantes@coedu.usf.edu)  
**Web Address:** <http://www.coedu.usf.edu>

**Mailing Address:**  
 University of South Florida  
 College of Education  
 4202 E. Fowler Avenue EDU162  
 Tampa FL 33620

---

Students are considered for this degree on a case by case basis. Please contact the Program Coordinator prior to applying.



## VOCATIONAL EDUCATION CONCENTRATION

### Doctor of Education (Ed.D.) Degree in the Educational Program Development Program With a concentration in Career and Workforce Education

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
Not accepting  
applications

**Minimum Total Hours:** 75-81  
**Program Level:** Doctoral  
**Program Status:** Inactive

**CIP Code:** 13.0301  
**Dept Code:** CNI  
**Program (Major/College):** EPD ED  
**Concentration Code:** EVO

#### CONTACT INFORMATION

**College:** Education  
**Department:**  
**Program Coordinator:** Victor Hernandez-  
Gantes  
**Other Contact:** N/A  
**Phone:** 813-974-1277  
**Fax:** 813-974-3366  
**Email:** [vhgantes@coedu.usf.edu](mailto:vhgantes@coedu.usf.edu)  
**Web Address:**  
<http://www.coedu.usf.edu>

**Mailing Address:**  
University of South Florida  
College of Education  
4202 E. Fowler Avenue EDU162  
Tampa FL 33620

---

**Inactive.** Currently, no students are being admitted to this program.



## *Section 18*

### *College of Education USF St. Petersburg*

University of South Florida  
St. Petersburg - College of Education  
140 Seventh Avenue South - COQ 201  
St. Petersburg, FL 33701

**Web address:**

<http://www.stpt.usf.edu/coe/index.htm>

**Phone:** 727-873-4155

**Fax:** 727-873-4191

**Email:** [walkerj@stpt.usf.edu](mailto:walkerj@stpt.usf.edu)

**College Dean:** Vivian Fueyo

**Associate Dean:** Joyce Nutta

**Accreditation:**

Commission on Colleges, Southern Association of Colleges and Schools, National Council for Accreditation of Teacher Education.

**Mission Statement:**

The College of Education at USF St. Petersburg offers graduate and undergraduate degree programs recognized for accomplishing defined learning outcomes, supported by a foundation of applied research, and committed to meeting the needs of the community and the students it serves. In pursuit of this mission, faculty in the College of Education are guided by a respect for evidence, creating and extending knowledge by supporting research, and by the pursuit of scholarship. The College of Education seeks to prepare exemplary teachers and other educational personnel for roles in a diverse and changing society. It promotes life long learning, is committed to stewardship that reflects the ethics of community responsibility, and

continually strives to meet the educational needs of all learners.

**Major Research Areas:**

See individual programs.

**Types of Degrees Offered:**

Master of Arts (M.A.)

Master of Arts in Teaching (M.A.T.)

Master of Education (M.Ed.)

**Name of Programs Offered:**

Educational Leadership (M.Ed.)

Elementary Education (M.A.)

English Education (M.A., M.A.T.)

Reading Education (M.A.)

Special Education, Varying Exceptionalities (M.A., M.A.T.)

**Concentrations:**

Elementary Education

Science and Mathematics

**Application Tracks:**

Literacy/Curriculum

**Dual Tracks:**

Elementary Education /ESOL

**Graduate Certificates Offered:**

n/a

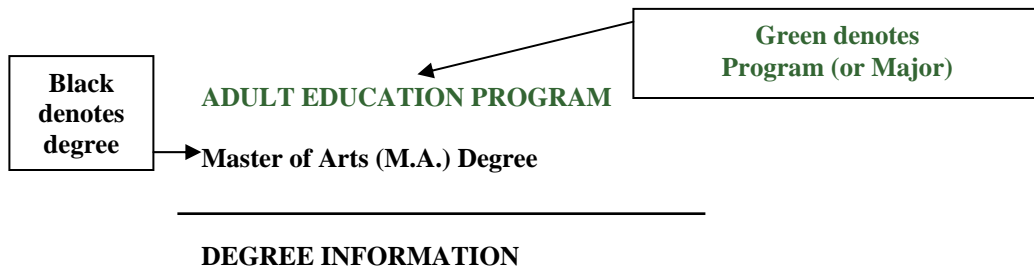
**COLLEGE REQUIREMENTS**

Contact college for information.

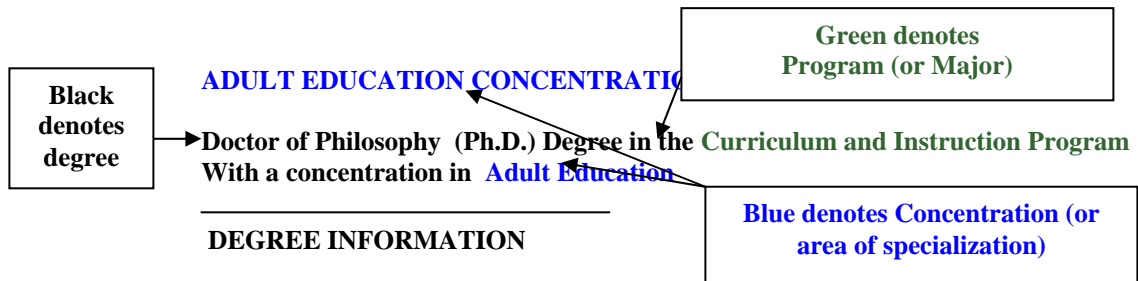
## About the Catalog

The University of South Florida Graduate Catalog is organized with the degree programs offered listed in the section of the college that offers them. For example, the Master of Science degree with a “program” (also known as major) in Biology is listed in the College of Arts and Sciences section. Some colleges offer areas of specialization, or “concentrations” within a degree program.

### EXAMPLE OF PROGRAM PAGE



### EXAMPLE OF CONCENTRATION PAGE



The name of the program and/or concentration does not appear on the diploma – only the name of the degree (i.e., Master of Arts) is listed. The program and concentration information is listed on the official transcript. Other areas, such as application track, are not listed on the transcript.

## EDUCATIONAL LEADERSHIP PROGRAM AT USF ST. PETERSBURG

### Master of Education (M.Ed.) Degree

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
**Fall:** March 15  
**Spring:** October 15  
**Summer:** March 1

**Minimum Total Hours:** 36  
**Program Level:** Masters  
**Program Status:** Active

**CIP Code:** 13.0401  
**Dept Code:** LEA  
**Program (Major/College):** CAS EP

#### CONTACT INFORMATION

**College:** Education at St. Petersburg  
**Program Advisor:** Lynette Fields  
**Other Contact:**  
**Phone:** 727-873-4059  
**Fax:** 727-873-4191  
**Email:** [fields@tempest.coedu.usf.edu](mailto:fields@tempest.coedu.usf.edu)  
**Web Address:** [www.stpt.usf.edu/coe/leadership/index.htm](http://www.stpt.usf.edu/coe/leadership/index.htm)

**Mailing Address:**  
 University of South Florida, St. Petersburg  
 College of Education – COQ 201  
 140 Seventh Avenue South  
 St. Petersburg, FL 33701

#### PROGRAM INFORMATION

The *Leadership for Results* program at USF St. Petersburg brings together faculty expertise in educational leadership development and the latest research on standards-based leadership to create a model program for preparing school leaders who can drive the instructional improvement agendas in schools. The program is designed to prepare instructional leaders to be change agents and problem solvers focused on action leadership to improve student learning. The curriculum is grounded in the research on best practices and critical inquiry emphasizing rich and varied field experiences, active coaching and mentoring by practicing administrators, and standards based outcome assessment to ensure success in building the requisite skills and knowledge that will enable graduates to have a positive impact on schools. In partnership with local school divisions, this program emphasizes pairs experienced and less experienced leaders in a junior-colleague mentorship model that serves as a pipeline for the continual preparation of educational leaders for Florida’s school districts.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (SACS) and the National Council for Accreditation of Teacher Education.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**  
 Applicants must satisfy the following:

- A. Present satisfactory evidence of a bachelor’s degree or equivalent from a regionally accredited institution.
- B. Hold a professional teaching certificate.
- C. Have completed at least two years of teaching.
- D. Meet at least one of the following:
  - a. Shall have earned a graduate degree from a regionally accredited institution, or
  - b. Shall have earned a “B” (3.0 on a 4.0 scale) or better in all work attempted while registered as an upper division student working for a baccalaureate degree, or
  - c. Shall have a GRE General Test score.

The applicant is expected to provide a letter of application, three letters of professional reference, and a copy of his/her teaching certificate at the time of application.

#### DEGREE PROGRAM REQUIREMENTS

Required Courses in Sequence

<b>Area A:</b>	
EDA 6061	Principles of Education Administration 3
EDG 6931	Technology and Data Analysis 3
EDG 6627	Foundations of Curriculum and Instruction 3
EDF 6492	Applied Educational Program Evaluation 3
<b>Area B:</b>	
EDG 6285	School Curriculum Improvement 3
EDA 6232	School Law 3

EDS 6050	Principles & Practices of Educational Supervision	3
EDA 6242	School Finance	3
<b>Area C:</b>		
EDA 6106	Administrative Analysis and Change	3
EDA 6503	The Principalship	3
EDA 6192	Educational Leadership	3
EDA 6945	Administrative Practicum	3
Total Program Hours		
Total credit hours		36

**Outcome Assessment Portfolio**

Students will create a portfolio developed from performance tasks across all courses in the program of study. Program faculty will evaluate the portfolio. Satisfactory completion of the portfolio is a degree requirement.

**COURSES:** <http://www.ugs.usf.edu/sab/sabs.cfm>

## ELEMENTARY EDUCATION PROGRAM AT USF ST. PETERSBURG

### Master of Arts (M.A.) Degree in the Elementary Education Program With a concentration in **Science and Mathematics**

#### DEGREE INFORMATION

This is a concentration offered under the M.A. degree in the Elementary Education Program and is only offered at USF St. Petersburg.

#### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	31
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.1202
<b>Dept Code:</b>	EDR
<b>Program (Major/College):</b>	AEE EP
<b>Concentration Code:</b>	MSM

#### CONTACT INFORMATION

<b>College:</b>	Education at St. Petersburg
<b>Department:</b>	
<b>Program Coordinator:</b>	Andy Reeves
<b>Other Contact:</b>	
<b>Phone:</b>	727-873-4530
<b>Fax:</b>	727-873-4574
<b>Email:</b>	<a href="mailto:areeves@stpt.usf.edu">areeves@stpt.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.stpt.usf.edu/coe/mathscience/index.htm">www.stpt.usf.edu/coe/mathscience/index.htm</a>

#### Mailing Address:

University of South Florida, St. Petersburg  
College of Education, COQ 201  
140 Seventh Avenue South  
St. Petersburg, FL 33701

#### PROGRAM INFORMATION

This program is intended for certified, practicing elementary classroom teachers who have a strong interest in, and preparation for, teaching K-5 mathematics and science. We hope to prepare elementary teachers for leadership roles in mathematics and science in their respective schools and districts.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (SACS) and the National Council for Accreditation of Teacher Education.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

#### Program Admission Requirements

Applicants must have at least a 2.5 GPA for their four-year undergraduate degree and for the last two years of their undergraduate degree. In addition, applicants must have a 3.0 GPA or higher for the last two years of their undergraduate degree; a GRE score

#### DEGREE PROGRAM REQUIREMENTS

##### Program of Study

Core Courses (13 credit hours)		
EDF 6481	Foundations of Educational Research	3
EDF 6120	Child Development	4
<b>or</b>		
EDF 6215	Learning Principles Applied to Instruction	4
EDG 6931	Current Trends in Math/Science Assessment	3
EDG 6935	Seminar in Curriculum Research	3

##### Emphasis Courses (18 credit hours)\*

\*Currently, Pinellas County School District pays the tuition for the emphasis courses in this program for its practicing teachers. This practice is dependent upon annual funding.

EDG 6931	Problem Solving for Elementary Teachers	3
EDG 3931	Geometry for Elementary Teachers	3
EDG 6931	Algebraic Thinking for Elementary Teachers	3
SCE 6616	Trends in Science Education	3
SCE 5937	Selected Topics in Life Science	3
SCE 5937	Selected Topics in Physical/Earth Science Education	3
<b>Total Hours:</b>		<b>31</b>

## ELEMENTARY EDUCATION PROGRAM AT USF ST. PETERSBURG

### Master of Arts (M.A.) Degree in the Elementary Education Program With an Application Track for ESOL (Dual Track)

#### DEGREE INFORMATION

This is an application track offered under the M.A. degree in the Elementary Education Program and is only offered at USF St. Petersburg.

#### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	64
<b>Program Level:</b>	Masters

<b>CIP Code:</b>	13.1202
<b>Dept Code:</b>	EDR
<b>Program (Major/College):</b>	AEE EP

#### CONTACT INFORMATION

<b>College:</b>	Education at St. Petersburg
<b>Department:</b>	
<b>Program Coordinator:</b>	Stephen Micklo
<b>Phone:</b>	727-873-4149
<b>Fax:</b>	727-873-4191
<b>Email:</b>	<a href="mailto:micklo@stpt.usf.edu">micklo@stpt.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.stpt.usf.edu/coe/dual/index.htm">www.stpt.usf.edu/coe/dual/index.htm</a>

#### Mailing Address:

University of South Florida, St. Petersburg  
College of Education, COQ 201  
140 Seventh Avenue South  
St. Petersburg, FL 33701

#### PROGRAM INFORMATION

This program is for those who hold a bachelor's degree in a field outside of education who want to become an elementary teacher (grades K-6). Completion of the entire program (coursework and internships) leads to initial certification in Elementary Education with ESOL endorsement and a Master of Arts degree in Elementary Education.

*Editor's Note: "Concentrations" are official and approved areas of study that are noted on the transcript; "Application Tracks" are informal areas of study, but are not noted on the transcript.*

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (SACS) and the National Council for Accreditation of Teacher Education.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

#### Program Admission Requirements

1. Successful completion of all portions of the CLAST, or the Praxis I, or the General Knowledge Test, or a GRE score. The General Knowledge Test is recommended if none have been taken.

2. At least a 2.5 grade point average for the four-year undergraduate degree, and for the upper-level courses of the undergraduate degree.
3. At least a 3.0 grade point average for the upper-level courses of the undergraduate degree.
4. OR a score of 1000 or greater on the combined verbal and quantitative portions of the Graduate Record Exam (GRE).

#### DEGREE PROGRAM REQUIREMENTS

##### Program of Study

RED 4310	Early Literacy Learning	(3)
EDF 6120	Child Development	(4)
FLE 5345	Teaching ELLs K-12	(3)
MAE 4310	Teaching Elementary School Mathematics I	(3)
EEX 4070	Integrating Exceptional Students in the Regular Classroom	(3)
EDE 4301	Classroom Management, Safety, Ethics, School Law	(3)
EDF 4430	Measurement	(3)
EDF 3604	Social Foundations of Education	(3)
EDE 4223	Creative Experiences for the Child	(3)
HLP 4722	Health and Physical Education for the Child	(2)
MAE 4326	Teaching Elementary School Mathematics II	(3)
SCE 4310	Teaching Elementary Science	(3)
SSE 4313	Teaching Elementary Social Studies	(3)
FLS 5145	Language Principals, Acquisition and Teaching	(3)

LAE 6316	Literature in a Diverse Society	(3)
LAE 6616	Trends in Language Arts	(3)
RED 6544	Cognition, Comprehension, Remediation, And Content Area Reading	(3)
EDG 6931	Practicum in Elementary Education	(3)
EDF 6481	Foundations of Educational Research	(3)
FLE 5940	ESOL Practicum	(1)
EDG 6947	Final Internship	(6)
Total hours		64

Comprehensive Exam  
Certification Exams: General Knowledge Test,  
Elementary Education  
K-6, Professional Education

At graduation all credits used to satisfy requirements for the Master's Degree must have been completed within 7 academic years. Courses taken in lieu of those listed here must be approved in writing by the program, and the College of Education's Graduate Studies Office.



## ELEMENTARY EDUCATION PROGRAM AT USF ST. PETERSBURG

### Master of Arts (M.A.) Degree in the Elementary Education Program With an Application Track for Literacy/Curriculum

#### DEGREE INFORMATION

This is an application track offered under the M.A. degree in the Elementary Education Program.

**Program Admission Deadlines:**

Fall Deadline: March 15  
Spring Deadline: October 15  
Summer Deadline: March 1

**Minimum Total Hours:** 34  
**Program Level:** Masters  
**Program Status:** Active

**CIP Code:** 13.1202  
**Dept Code:** EDR  
**Program (Major/College):** AEE EP

#### CONTACT INFORMATION

**College:** Education at St. Petersburg  
**Department:**  
**Program Coordinator:** Gwyn Lightsey  
**Phone:** 727-873-4057  
**Fax:** 727-873-4191  
**Email:** lightsey@stpt.usf.edu  
**Web Address:** www.stpt.usf.edu/coe/literacy/index.htm

**Mailing Address:**  
University of South Florida, St. Petersburg  
College of Education, COQ 201  
140 Seventh Avenue South  
St. Petersburg, FL 33701

#### PROGRAM INFORMATION

Emphasizing the teacher's professional role as curriculum leader and change agent, this Program is for individuals with a bachelor's degree and certification in elementary education who want to expand their knowledge of teaching reading to K-6 learners.

*Editor's Note: "Concentrations" are official and approved areas of study that are noted on the transcript; "Application Tracks" are informal areas of study, but are not noted on the transcript.*

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (SACS) and the National Council for Accreditation of Teacher Education.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

1. Successful completion of all portions of the CLAST, or the Praxis I, or the General Knowledge Test, and a GRE score. The General Knowledge Test is recommended if none have been taken.
2. At least a 2.5 grade point average for the four-year undergraduate degree, and for the upper-level courses of the undergraduate degree.

3. At least a 3.0 grade point average for the upper-level courses of the undergraduate degree.
4. OR a score of 1000 or greater on the combined verbal and quantitative portions of the Graduate Record Exam (GRE).

#### DEGREE PROGRAM REQUIREMENTS

**Program of Study**

- |           |   |     |
|-----------|---|-----|
| EDG 6481  | Foundations of Educational Research   | (3) |
| EDF 6215  | Learning Principles Applied to Instruction  | (4) |
| <b>or</b> |   |     |
| EDF 6120  | Child Development   | (4) |
| LAE 6316  | Trends in Literature in a Diverse Society   | (3) |
| EDG 6935  | Seminar in Curriculum Research  | (3) |
| LAE 6616  | Trends in Language Arts   | (3) |
| RED 6544  | Cognition, Comprehension and Content Reading  | (3) |
| RED 6545  | Remediation of Reading and Vocabulary Problems                                      | (3) |
| LAE 6315  | Teaching Writing in the Elementary Classroom  | (3) |
| EDA 6285  | School Curriculum Improvement   | (3) |
| EDA 6627  | Foundations of Curriculum and Instruction   | (3) |
| EDS 6050  | Principles and Practices of Educational Supervision<br>(take in fall semester only) | (3) |

Total hours 34

## ENGLISH EDUCATION PROGRAM AT USF ST. PETERSBURG

### Master of Arts (M.A.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.1305
<b>Dept Code:</b>	EDI
<b>Program (Major/College):</b>	AEN JP

#### CONTACT INFORMATION

<b>College:</b>	Education at St. Petersburg
<b>Department:</b>	
<b>Program Coordinator:</b>	Cynthia Leung
<b>Phone:</b>	727-873-4051
<b>Fax:</b>	727-873-4191
<b>Email:</b>	<a href="mailto:leung@stpt.usf.edu">leung@stpt.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.stpt.usf.edu/coe/documents/EE_MA_Brochure.pdf">www.stpt.usf.edu/coe/documents/EE_MA_Brochure.pdf</a>

##### Mailing Address:

University of South Florida, St. Petersburg  
College of Education, COQ 201  
140 Seventh Avenue South  
St. Petersburg, FL 33701

---

#### PROGRAM INFORMATION

This program is designed for fully certified teachers of English and meets state requirements to teach at the Junior College level.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (SACS) and the National Council for Accreditation of Teacher Education (NCATE).

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

Applicants must have at least a 2.5 grade point average for their four-year undergraduate degree, and for the last two years of their undergraduate degree.

A GRE score. Applicants with a grade point average of 3.0 or greater for the last two years of their undergraduate degree need not submit GRE scores.

#### DEGREE PROGRAM REQUIREMENTS

Select one of the following:

EDF 6432	Foundations Measurement	(3)
<b>OR</b>		
EDF 6481	Foundations of Educational Research	(3)
<b>AND</b>		
LAE 6637	Current Trends in English Education	(3)

18 Hours of Graduate (6000 level) English Electives (18)  
9 Hours of Graduate Electives in Education from  
Approved List of Elective Courses (9)  
Comprehensive Examination

Total Hours 33

**COURSES:** <http://www.ugs.usf.edu/sab/sabs.cfm>

## READING EDUCATION PROGRAM AT USF ST. PETERSBURG

### Master of Arts (M.A.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.1305
<b>Dept Code:</b>	EDR
<b>Program (Major/College):</b>	ARD EP

#### CONTACT INFORMATION

<b>College:</b>	Education at St. Petersburg
<b>Department:</b>	
<b>Program Coordinator:</b>	Margaret Hewitt
<b>Phone:</b>	727-873-4531
<b>Fax:</b>	727-873-4191
<b>Email:</b>	<a href="mailto:Hewitt@stpt.usf.edu">Hewitt@stpt.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.stpt.usf.edu/coe/reading/ReadingEd.htm">www.stpt.usf.edu/coe/reading/ReadingEd.htm</a>

##### Mailing Address:

University of South Florida, St. Petersburg  
College of Education  
140 Seventh Avenue South , COQ 201  
St. Petersburg, FL 33701

#### PROGRAM INFORMATION

The Reading Education Program is designed to prepare teachers, clinicians, supervisors, directors and coordinators of reading for school systems. The program provides an in-depth view of reading research, theories, and the application of theory to classroom teaching. Methods and theories studies in the program are based on sound and current scientific research. Successful completion on all sections of the CLAST (prior to June 30, 2002), or the General Knowledge Test, or a Florida Professional Educator Certificate is an entrance requirement for this program. Successful completion of the Professional Education exam or a Florida Professional Educator Certificate is necessary for certification.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (SACS) and the National Council for Accreditation of Teacher Education.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

Applicants must have at least a 2.5 grade point average for the last two years of their undergraduate degree. A GRE score. Applicants with a grade point average of 3.0 or greater for the upper-level undergraduate courses need not submit GRE scores.

Successful completion of all portions of the CLAST taken before July 2002, General Knowledge test after July 2002 or a GRE score of 1000 or greater.

#### DEGREE PROGRAM REQUIREMENTS

##### For certified students (Elementary, ESE or Early Childhood) Undergraduate Pre-or Co-requisites:

RED 4310	Reading and Learning to Read	(3)
RED 4511	Linking Literacy Assessment to Instruction	(3)
LAE 4414	Literature in Childhood Education	(3)
<b>Or</b>		
LAE 6415	Literature and the Learner	(3)

##### Process Core:

EDF 6481	Foundations of Educational Research	(3)
----------	-------------------------------------	-----

##### Current Trends in Specialization:

LAE 6316	Trends in Literature in a Diverse Society	(3)
----------	---	-----

##### Content Specialization:

RED 6545	Issues in Vocabulary and Word Study	(3)
RED 6116	Current Trends in Elementary Reading Instruction	(3)
LAE 6315	Writing and Writers: Trends and Issues	(3)
RED 6544	Cognition, Comprehension and Content Area Reading: Remediation of Reading Problems	(3)
RED 6247	District and School Level Supervision in Reading	(3)
RED 6540	Assessment in Literacy	(3)

RED 6846	Practicum in Reading	(3)
RED 6449	Literacy and Technology	(3)
EDG 6935	Seminar in Curriculum Research	(3)

## ESOL:

FLE 5345	Teaching ELLs K-12	(3)
Total hours		45

**For certified students (Secondary):**

Same as above plus 12 hours of Process Core:

EDF 6481	Foundations of Educational Research	(3)
EDF 4430	Tests and Measurement	(3)
EDF 3122	Learning and the Developing Child	(3)

**Or**

EDF 3214	Human Development and Learning	(3)
EDF 3604	Social Foundations of Education	(3)

Total hours		54
-------------	--	----

**For non-certified students:**

Same as above (for Secondary) plus:

EDG 6947	Internship	(3)
----------	------------	-----

Total hours		60
-------------	--	----

**COURSES:** <http://www.ugs.usf.edu/sab/sabs.cfm>

## SPECIAL EDUCATION, VARYING EXCEPTIONALITIES PROGRAM AT USF ST. PETERSBURG

### Master of Arts (M.A.) Degree

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
**Fall:** March 15  
**Spring:** October 15  
**Summer:** March 1

**Minimum Total Hours:** 36  
**Program Level:** Masters  
**Program Status:** Active

**CIP Code:** 13.1001  
**Dept Code:** EDS  
**Program (Major/College):** AVE EP

#### CONTACT INFORMATION

**College:** Education at St. Petersburg  
**Department:**  
**Program Coordinator:** Kim Stoddard  
**Phone:** 727-873-4573  
**Fax:** 727-553-4191  
**Email:** [Stoddard@stpt.usf.edu](mailto:Stoddard@stpt.usf.edu)  
**Web Address:** [www.stpt.usf.edu/coe/special/](http://www.stpt.usf.edu/coe/special/)

**Mailing Address:**  
 University of South Florida, St. Petersburg  
 College of Education, COQ 201  
 140 Seventh Avenue South  
 St. Petersburg, FL 33701

#### PROGRAM INFORMATION

The M.A. in Special Education, Varying Exceptionalities is one of two degrees received upon completion the Teacher for All Children (TAC) Program.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (SACS) and the National Council for Accreditation of Teacher Education (NCATE).

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

#### Program Admission Requirements

Contact the academic program advisor for the Teacher for All Children (TAC) program.

#### DEGREE PROGRAM REQUIREMENTS

- EMR 6052 Advanced Theories and Practices in Mental Retardation (3)
- ELD 6015 Advanced Theories and Practices in Specific Learning Disabilities (3)
- EED 6215 Advanced Theories and Practices in Behavior Disorders (3)
- EEX 6943 Practicum variable
- EEX6248 Instructional Approaches for Exceptional

- Students (3)
- EEX 5752 Working with Families: A Pluralistic Perspective (3)
- EEX 6939 Advanced Seminar in Special Education (3)
- EEX 6732 Consultation and Collaboration in Special Education (3)
- EDF 6481 Foundations of Education Research (3)
- EEX 6245 Transitional Programming for Adolescents and Adult Exceptional Students (3)
- EEX 6222 Advanced Psychoeducational Assessment of Exceptional Students (3)
- EEX 6612 Management and Motivational Strategies (3)

Total Hours 33 plus variable credit practicum

#### COURSES:

<http://www.ugs.usf.edu/sab/sabs.cfm>

## SPECIAL EDUCATION, VARYING EXCEPTIONALITIES PROGRAM AT USF ST. PETERSBURG

### Master of Arts in Teaching (M.A.T.) Degree

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36-48
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.1001
<b>Dept Code:</b>	EDS
<b>Program (Major/College):</b>	TVE EP

#### CONTACT INFORMATION

<b>College:</b>	Education at St. Petersburg
<b>Department:</b>	
<b>Program Coordinator:</b>	Kim Stoddard
<b>Phone:</b>	727-873-4573
<b>Fax:</b>	727-873-4191
<b>Email:</b>	<a href="mailto:Stoddard@stpt.usf.edu">Stoddard@stpt.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.stpt.usf.edu/coe/special/mat.htm">www.stpt.usf.edu/coe/special/mat.htm</a>

**Mailing Address:**

University of South Florida, St. Petersburg  
College of Education, COQ 201  
140 Seventh Avenue South  
St. Petersburg, FL 33701

#### PROGRAM INFORMATION

This program will lead to a MAT degree and certification in Exceptional Student Education as well as ESOL endorsement. Although this program is specifically designed for those who do not hold a professional certificate in teaching, the program can be adjusted to allow those students who are certified in elementary and secondary education to complete the degree and receive Exceptional Student Education certification. The MAT in Special Education is highlighted by:

**An Integrated Curriculum:** The MAT curriculum will be introduced, taught, and mastered in a series of instructional blocks that integrate content in a spiraling manner.

**An accelerated pace** where in the program may be completed in 2 summers and 3 academic semesters.

**Action Research:** Where students investigate how they may more effectively use research-based interventions, link theory and practice, and develop an inquiring approach to teaching.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (SACS) and the National Council for Accreditation of Teacher Education.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

1. An earned baccalaureate degree or its equivalent from a regionally accredited college or university.
2. Evidence of ability to perform successfully in the academic program, as indicated by one of the following:
3.
  - a. An earned graduate degree from a regionally accredited college or university, or
  - b. An undergraduate GPA of 3.0 or higher in all work attempted while registered as an upper division student working on a baccalaureate degree, or
  - c. A GRE score or
  - d. Exceptions may be considered by department faculty committee.

4. Successful completion of all portions of the CLAST, or the Praxis I, or the General Knowledge Test, or a GRE score of 1000 or higher. General Knowledge Test is recommended if none of the above has been taken.
5. A letter of application that addresses why the candidate desires to pursue a master's degree in special education.
6. At least two (2) letters of recommendation, one from a person who has seen the candidate teach and/or work with children and you and the other from an administrator or supervisor.
7. In addition to the above criteria the student must have a cumulative GPA in the baccalaureate degree of at least a 2.50.

- |          |  |     |
|----------|--|-----|
| EDG 6931 | Current Trends in Assessment                 | (3) |
| RED 6544 | Remediation of Comprehension Problems        | (3) |
|          | Prerequisite: RED 6510                       |     |
| EEX 6947 | Internship and Classroom Research            | (6) |
|          | Prerequisites: EEX 6051, EEX 6225, EEX 6253  |     |
| FLE 5435 | Teaching ELLs K-12: Theory to Practice       | (3) |
| FLE 5145 | Language Principles Acquisition and Teaching | (3) |
|          | Prerequisite: FLE 5345                       |     |
| FLE 5940 | ESOL Practicum                               | (1) |
|          | Prerequisites: FLE 5345, FLE 5145            |     |

Total Hours 36-48 varied

COURSES: <http://www.ugs.usf.edu/sab/sabs.cfm>

**DEGREE PROGRAM REQUIREMENTS**

- |          |   |     |
|----------|---|-----|
| EEX 6051 | Creating Positive Learning Environment for Students with Disabilities                                 | (6) |
| EEX 6225 | Developing Individualized Education Programs for Students with Disabilities (Prerequisite: EEX 6051)  | (6) |
| EEX 6253 | Implementing and Evaluating Program For Students with Disabilities (Prerequisites EEX 6051, EEX 6225) | (6) |
| RED 6510 | Reading Process in the Elementary School  | (3) |

**Or**

- |          |                                      |     |
|----------|--------------------------------------|-----|
| RED 5147 | Foundations of Developmental Reading | (3) |
| MAE 6117 | Math Methods                         | (3) |

**Or**

- |          |   |     |
|----------|---|-----|
| EDG 6931 | Teaching Elementary Math                              | (3) |
| FLE 5430 | ESOL I, Theory and Practice of Teaching English Lang. | (3) |
| EDF 6211 | Psychological Foundations of Education                | (3) |

**Or**

- |          |                   |     |
|----------|-------------------|-----|
| EDF 6120 | Child Development | (4) |
|----------|-------------------|-----|

**Or**

- |          |   |     |
|----------|---|-----|
| EDF 6215 | Advanced Theories and Practices in Behavior Disorders | (3) |
| EDF 6432 | Foundations of Measurement                            | (3) |

**Or**



## Section 19

### College of Engineering

University of South Florida  
College of Engineering  
4202 E. Fowler Ave ENB118  
Tampa, FL 33620

**Web address:** <http://www2.eng.usf.edu/>

**Phone:** 813-974-3780

**Fax:** 813-974-5094

**Email:** n/a

**College Dean:** Louis Martin-Vega  
**Interim Associate Dean:** Rafael Perez  
**Interim Graduate Coordinator:** Rafael Perez

#### Accreditation:

The Commission on Colleges of the Southern Association of College and Schools. Contact College for additional accreditation information

#### Mission Statement:

The mission of the USF College of Engineering is to continuously aspire to excellence in teaching, research and public service. The College values academic excellence, professionalism, ethics, and cultural diversity among its students, staff, and faculty. The College is committed to addressing the needs of our constituencies and gives careful consideration to the urban and suburban populations in our immediate service area. At the undergraduate level, the college is committed to provide students with a strong, broad-based, fundamental engineering education as preparation for careers in industry in a global environment, and government, or as preparation for advanced studies in professional schools of engineering, science, law, business, and medicine. At the graduate level, students working in close collaboration with faculty, pursue advanced topics within their disciplines that will result in advancements in their

professions and society at large. Utilizing the expertise of its individual and collective faculty, the College is dedicated to the development of new fundamental knowledge, processes or procedures through research, which will benefit all humanity. The College promotes multi-disciplinary approaches, commitment to life-long learning, and awareness of societal issues, which are requisite for meeting technological challenges. The College provides technical assistance and technology transfer to the region, state and nation. In all facets of teaching, research and service, the College emphasizes close liaison with industry and government to provide students and faculty with the skills and perspectives needed to ensure effective technological leadership.

#### Major Research Areas:

Contact the College for information.

#### Degrees Offered\*:

Master of Chemical Engineering (M.C.H.E.)  
Master of Civil Engineering (M.C.E.)  
*Master of Computer Engineering (M.C.P.) Inactive*  
*Master of Computer Science (M.C.S.) Inactive*  
Master of Electrical Engineering (M.E.E.)  
Master of Engineering (M.E.)  
Master of Environmental Engineering (M.E.E.)  
Master of Industrial Engineering (M.I.E.)  
Master of Mechanical Engineering (M.M.E.)  
Master of Science in Biomedical Engineering (M.S.B.E.)  
Master of Science in Chemical Engineering (M.S.C.H.)  
Master of Science in Civil Engineering (M.C.E.)  
Master of Science in Computer Engineering (M.S.C.P.)  
Master of Science in Computer Science (M.S.C.S.)  
Master of Science in Electrical Engineering (M.S.E.E.)



Master of Science in Engineering (M.S.E.)  
 Master of Science in Engineering Management  
 (M.S.E.M.)  
 Master of Science in Engineering Science  
 (M.S.E.S.)  
 Master of Science in Environmental Engineering  
 (M.S.E.V.)  
 Master of Science in Industrial Engineering  
 (M.S.I.E.)  
 Master of Science in Mechanical Engineering  
 (M.S.M.E.)

Doctor of Philosophy (Ph.D.)

\*see individual listings for current active status

**Programs Offered\*:**

[Master of Chemical Engineering \(M.C.H.E.\)](#)  
 Chemical Engineering

[Master of Civil Engineering \(M.C.E.\)](#)  
 Civil Engineering

[Master of Computer Engineering \(M.C.P.\)](#)  
 Computer Engineering INACTIVE

[Master of Computer Science \(M.C.S.\)](#)  
 Computer Science INACTIVE

[Master of Electrical Engineering \(M.E.E.\)](#)  
 Electrical Engineering

[Master of Engineering \(M.E.\)](#)  
 Chemical Engineering  
 Civil Engineering  
 Computer Engineering  
 Computer Science  
 Electrical Engineering  
 Environmental Engineering  
 Industrial Engineering  
 Mechanical Engineering

[Master of Environmental Engineering \(M.E.V.E.\)](#)  
 Environmental Engineering

[Master of Industrial Engineering \(M.I.E.\)](#)  
 Industrial Engineering

[Master of Mechanical Engineering \(M.M.E.\)](#)  
 Mechanical Engineering

[Master of Science in Biomedical Engineering  
 \(M.S.B.E.\)](#)  
 Biomedical Engineering

[Master of Science in Chemical Engineering  
 \(M.S.C.H.\)](#)  
 Chemical Engineering

[Master of Science in Civil Engineering \(M.S.C.E.\)](#)  
 Civil Engineering

[Master of Science in Computer Engineering  
 \(M.S.C.P.\)](#)  
 Computer Engineering

[Master of Science in Computer Science \(M.S.C.S.\)](#)  
 Computer Science

[Master of Science in Electrical Engineering  
 \(M.S.E.E.\)](#)  
 Electrical Engineering

[Master of Science in Engineering \(M.S.E.\)](#)  
 Engineering (Post Bacc)  
 Engineering (5 yr program)

[Master of Science in Engineering Management  
 \(M.S.E.M.\)](#)  
 Engineering Management

[Master of Science in Engineering Science  
 \(M.S.E.S.\)](#)  
 Biomedical Engineering  
 Chemical Engineering  
 Civil Engineering  
 Computer Engineering  
 Computer Science  
 Electrical Engineering  
 Engineering Science  
 Environmental Engineering  
 Industrial Engineering  
 Mechanical Engineering

[Master of Science in Environmental Engineering  
 \(M.S.E.V.\)](#)  
 Environmental Engineering

[Master of Science in Industrial Engineering  
 \(M.S.I.E.\)](#)  
 Industrial Engineering

[Master of Science in Mechanical Engineering  
 \(M.S.M.E.\)](#)  
 Mechanical Engineering

[Doctor of Philosophy \(Ph.D.\)](#)  
 Biomedical Engineering  
 Chemical Engineering  
 Civil Engineering  
 Computer Science and Engineering

Electrical Engineering  
 Engineering Science  
 Industrial Engineering  
 Mechanical Engineering

\*see individual listings for current active status

**Concentrations:**

Biomedical and Biotechnology (Chemical Engineering)  
 Circuits, Controls, and Systems (Electrical Engineering)  
 Communications and Signal Processing (Electrical Engineering)  
 Digital Architecture & Design (Electrical Engineering)  
 Electric Power Systems (Electrical Engineering)  
 Engineering Management (Industrial Engineering)  
 Geotechnical (Civil Engineering)  
 Interdisciplinary Transportation (Civil Engineering)  
 Manufacturing (Chemical Engineering)  
 Manufacturing Systems (Industrial Engineering)  
 Materials (Civil Engineering)  
 Microelectronics (Electrical Engineering)  
 Physics (Engineering Science)  
 Quantitative Analysis (Industrial Engineering)  
 Structures (Civil Engineering)  
 Transportation (Civil Engineering)  
 Water Resources (Civil Engineering)  
 Wireless Circuits and Systems (Electrical Engineering)

**Graduate Certificates Offered:** See Graduate Certificates

**COLLEGE REQUIREMENTS**

**General Program Requirements**

The requirements for graduate degrees from the College of Engineering consist of University requirements, College requirements, and Program requirements. For University requirements refer to the Graduate School Policies and Procedures. College requirements are listed below. Refer to the degree program sections for other requirements.

**Master's Degree Programs**

The Master's degree is awarded for advanced study beyond the baccalaureate degree within an area of specialty. The College of Engineering offers several programs leading to degrees at the master's level.

**Master of Science in Designated Engineering Field** - This degree is normally awarded to a Master's graduate who holds a Bachelor's degree in the designated field. Some programs offer this degree

in two options: (1) thesis option (30 credits), and (2) non-thesis option (33 credits).

**Master of Science in Engineering Science** - This program is designed to meet the needs who wish to pursue an interdisciplinary course of study and research. This degree is individually tailored to student needs. Some programs offer this degree in two options: (1) thesis option (30 credits), and (2) non-thesis option (33 credits).

**Master of Science in Engineering** - This degree is normally awarded to a Master's graduate who has a Bachelor's degree from a non-engineering program and has completed a prescribed series of undergraduate engineering courses. It is a thesis program. Some programs offer this degree in two options: (1) thesis option (30 credits), and (2) non-thesis option (33 credits).

**Master of Designated Discipline** - This degree is normally awarded to a Master's graduate who has an undergraduate degree in the discipline and who follows an all coursework program or a project program.

**Master of Engineering** - This degree is normally awarded to a Master's graduate who has a Bachelor's degree from a non-engineering program and has completed a prescribed series of undergraduate engineering courses.

**Manufacturing Option** - In addition, the departments of Chemical Engineering, Computer Science and Engineering, Electrical Engineering, Mechanical Engineering, and Industrial Engineering offer a Master of Science in Engineering with a Manufacturing Systems Option (consisting of an 18 hour core and 18 hours of electives). The degree is administered by the Industrial Engineering Department and is a true interdisciplinary degree with areas of Robotics, Automation, Computer Aided Design, Computer Integrated Manufacturing, Control Systems, Software Systems, Hardware Systems, and Production Systems available for emphasis. The student, upon completion of the core courses, may choose electives and concentrate within one of the above departments or may choose to acquire an in-depth knowledge in one of the above emphasis areas by making elective course choices from several departments.

### College of Engineering Requirements for Master's Degree

1. A thesis program must contain a minimum of 24 credit hours of coursework and a minimum of 6 credit hours of thesis. (If a student transfers from a thesis program to all coursework program, no thesis hours may be transferred, converted or counted toward the degree.)
2. Non-thesis program requirements vary according to department but must contain a minimum of 33 credits of approved coursework.
3. Students must maintain an overall grade point average of 3.0. No grade below "C" will be accepted in a graduate program. If a student's average falls below 3.0, the student will be placed on probation and must obtain a directed program from the appropriate advisor, and approval by the Engineering Associate Dean for Academic Affairs, prior to continuing coursework for a degree.
4. All students are required to pass a final oral or written comprehensive examination prior to receiving the degree. These examinations are arranged and administered by the student's department.

### Five-Year Programs Leading to Bachelor and Master's Degrees

Students who, at the end of the junior year, clearly are interested in graduate study are invited to pursue a five-year program leading simultaneously to the Bachelor of Science in Engineering or Engineering Science and Master degrees. This program offers the opportunity to take graduate courses during the fourth year and deferring senior courses to the fifth year. Students in the Five-Year Program may apply 6 credit hours of coursework, which must be approved by the Graduate Program Coordinator, to count both degrees.

Students apply for admission to this program through their advisors, who should be consulted regarding additional requirements. Several factors, which vary by academic department, are considered for admission. However, all applicants must have a GPA of at least 3.3.

### Doctoral Degree Programs

The Doctor of Philosophy degree is awarded in recognition of demonstrated scholarly competence and ability to conduct and report original and significant research. Unlike the baccalaureate and Master's degrees, the Ph.D. degree cannot be earned by an accumulation of course credits over a period of residence alone. After adequate fundamental preparation to gain competence, the student must demonstrate research capability through completion of an authoritative investigation in the chosen engineering field, culminating in a written dissertation. The dissertation must demonstrate that the student possesses the ability to reason logically, the talent for engaging in significant and original research, and the ability to organize and present conclusions in a professional manner.

**Doctor of Philosophy in Designated Engineering Field** - This degree is awarded to students pursuing a program in one of the following Engineering disciplines: Chemical Engineering, Civil Engineering, Computer Science and Engineering, Electrical Engineering, Industrial Engineering, and Mechanical Engineering. Students receiving this degree must demonstrate a thorough foundation in the designated discipline.

**Doctor of Philosophy in Engineering Science** - This program is designed to meet the needs of students who wish to pursue doctoral studies in interdisciplinary areas closely related to engineering.

### College of Engineering Requirements for Doctoral Degrees

1. Supervisory Committee. An advisor will be appointed by the chair of the appropriate department or program for each student during the first semester of registration at the University of South Florida. The advisor will help determine the student's area of research interest and will delineate preliminary course assignments. At the earliest possible date, a major professor will be appointed and a supervisory committee formed. This committee will monitor the student's program of studies and has full responsibility for conducting the student's qualifying examination. The Supervisory Committee consists of a minimum of five members. One member of the committee must be outside the College of Engineering. (The requirement may be waived if special reasons exist and prior approval is obtained from the Engineering

Associate Dean for Academic Affairs.) A majority of the committee will be from the College of Engineering, with at least two departments of the College represented.

2. Credit Hours. A minimum of 60 hours of coursework beyond the baccalaureate degree plus a minimum of 20 hours of dissertation research is required. Total hours of credit must equal or exceed 90 hours. A minimum of 27 hours coursework in an engineering area of concentration is required. The 27 hours need not be coursework in the same department, but must focus directly upon the areas of concentration; at least 20 hours must be at the 6000 level. In addition, a minimum of 8 hours of mathematics or statistics is required. Engineering Mathematics may be approved by the committee if appropriate. Also, a minimum of 8 hours of coursework as defined by the committee outside the major area of concentration is required. Further requirements may be imposed by the candidate's committee.

3. Learning Focus. Throughout the student's program of study, independent learning will be emphasized. For the first time in the participant's career, in most cases, the student will be responsible for mastering a new domain of knowledge without the aid of organized lectures and textbooks. The principal information source will be current literature. Such experience is a necessary preparation for a meaningful career in engineering and other fields where the professional must keep pace with a large, ever-changing body of knowledge.

4. Diagnostic Examination. All prospective candidates must pass a Ph.D. diagnostic examination that includes an area of mathematics and a prescribed area of concentration. This examination must be taken after the student has completed appropriate studies, usually equivalent to one year's coursework. Students entering with a Master's degree must take this examination before the end of the first year after admission to the program.

5. Qualifying Examination. A written and oral qualifying examination, conducted by the supervisory committee, will be taken by each Ph.D. student as soon as a substantial majority of coursework is completed. Completion of this examination and the tools of research admits the student to candidacy.

6. Admission to Candidacy. Students must be admitted to candidacy before they register for dissertation. Before admission to candidacy, students must have: a) passed the diagnostic examination of paragraph 4; b) passed the qualifying examination of paragraph 5; c) demonstrated proficiency in written and spoken English; d) satisfied the Tools of Research requirement; e) been accepted by a department faculty member credentialed to serve as chair of the dissertation committee. It is the responsibility of the Ph.D. committee for each doctoral student to define the tools of research requirement. Once admitted to candidacy students must enroll for a minimum of 2 credit hours each semester of the academic year until completion of program.

7. Dissertation Research. The student must carry out an investigation resulting in an original and significant contribution to the knowledge in the field of research. The requirement of uniqueness means that the dissertation research will provide an important creative experience for the student. As the final stage of the student's program, the candidate must prepare a written dissertation covering the research. Students in the Ph.D. program must take an appropriate number of doctoral dissertation credits, but not less than 20 hours; the exact number is determined by department and/or individual requirements. The defense of the dissertation will conform to Graduate School general rules.

8. Residency. Minimum residency requirements may be satisfied by completing at the University of South Florida, beyond the Master's degree or equivalent, the following: (1) the University's minimal requirement, or (2) 24 hours in one calendar year, or (3) 30 hours in no more than four semesters within a period of three calendar years. Any graduate work counted toward the fulfillment of the requirement for the Ph.D. degree after admission to candidacy must be accomplished within 5 calendar years.

#### **Collaboration with Other Colleges and Departments**

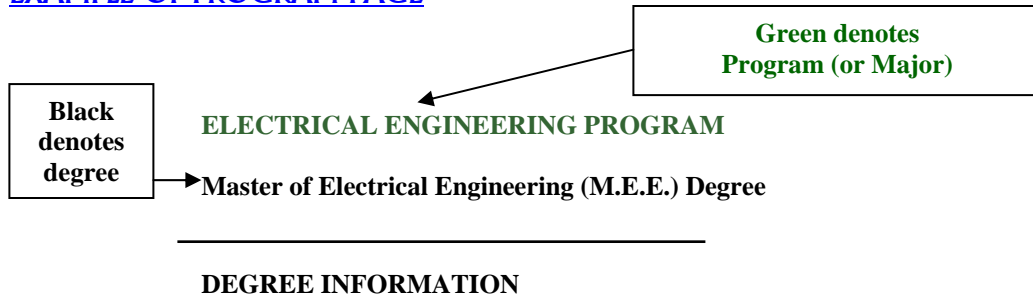
Advanced study and research challenges exist at the interfaces between engineering and other academic disciplines. Examples include surface physics and chemistry applied to semiconductor processing technology; semiconductor physics applied to VLSI and analog integrated circuit design, manufacture and quality control; chemical processing and its

relation to chemical principles; environmental engineering and chemical identification of minute impurities; environmental and transportation engineering and its relation to public health and public administration; water resources engineering and geo-hydrology; and biomedical engineering, to name only a few. The College collaborates with other academic units of the University in research activities and selectively educates students to become proficient in such interdisciplinary fields.

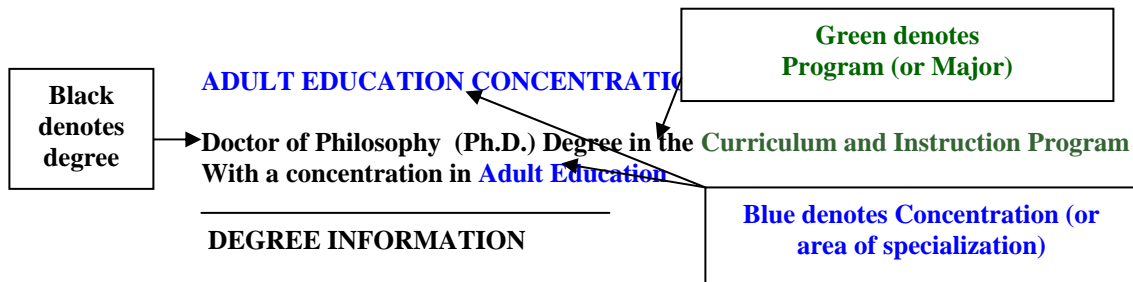
## About the Catalog

The University of South Florida Graduate Catalog is organized with the degree programs offered listed in the section of the college that offers them. For example, the Master of Science degree with a “program” (also known as major) in Biology is listed in the College of Arts and Sciences section. Some colleges offer areas of specialization, or “concentrations” within a degree program.

### EXAMPLE OF PROGRAM PAGE



### EXAMPLE OF CONCENTRATION PAGE



The name of the program and/or concentration does not appear on the diploma – only the name of the degree (i.e., Master of Arts) is listed. The program and concentration information is listed on the official transcript. Other areas, such as application track, are not listed on the transcript.

## BIOMEDICAL ENGINEERING PROGRAM

### Master of Science in Biomedical Engineering (M.S.B.E.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	30/33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.0501
<b>Dept Code:</b>	DEA
<b>Program (Major/College):</b>	EBI EN

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	
<b>Program Director:</b>	William Lee
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-3651
<b>Fax:</b>	n/a
<b>Email:</b>	<a href="mailto:lee@eng.usf.edu">lee@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://che.eng.usf.edu/BioMed/index.html">http://che.eng.usf.edu/BioMed/index.html</a>

##### Mailing Address:

University of South Florida  
 Chemical Engineering  
 Biomedical Engineering Program  
 4202 E. Fowler Avenue, ENB 118  
 Tampa, FL 33620

#### PROGRAM INFORMATION

Biomedical Engineering is a highly interdisciplinary program that combines engineering and the medical sciences. The student works with an advisor to develop a graduate program that draws on courses from engineering, medicine, public health, and the life sciences. Current active areas of research include: biomechanics, biomaterials, medical imaging, tissue engineering, sensors, telehealth, cellular-level drug delivery, and rehabilitation engineering. Participating institutions include the James Haley Veterans Administration Hospital, Shriners Orthopedic Hospital for Children, Florida Orthopedics Institute, and Tampa General Hospital. Dr. William Lee ([Lee@eng.usf.edu](mailto:Lee@eng.usf.edu)) is the Program Director

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

1. Undergraduate GPA of 3.00 or higher.
2. Minimum GRE, Quantitative >620; Analytical written score of 4 or >;
3. An undergraduate Bachelor's degree or equivalent in Engineering or Science;
4. TOEFL 550 (paper-based total) for international students or 213 (computer-based total);
5. 3 letters of reference;

6. Statement of research interests.

#### DEGREE PROGRAM REQUIREMENTS

The thesis option consists of 30 hours of coursework, including 6 hours of thesis. Students with non-engineering undergraduate degrees can apply; remedial courses may be required that will not count towards the degree.

Currently there are three required classes:

GMS 6xxx – Anatomy and Physiology for Engineers	3
BME 6xxx – Foundations of Biomedical Engineering	3
PHC 6051– Biostatistics II	3
BME 5740 Theory and Design of Bioprocesses	3
BME 5742 Pharmaceutical Engineering	2
BME 5746 Introduction to Biomedical Engineering	3
BME 5748 Selected Topics in Biomedical Engineering	1-3
BME 5910 Directed Research in Bioengineering	1-3

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## BIOMEDICAL ENGINEERING PROGRAM

### Master of Science in Engineering Science (M.S.E.S.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.0501
<b>Dept Code:</b>	DEA
<b>Program (Major/College):</b>	EBI EN

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	
<b>Program Director:</b>	William Lee
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-3651
<b>Fax:</b>	n/a
<b>Email:</b>	<a href="mailto:lee@eng.usf.edu">lee@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://che.eng.usf.edu/BioMed/index.html">http://che.eng.usf.edu/BioMed/index.html</a>

##### Mailing Address:

University of South Florida  
Chemical Engineering  
Biomedical Engineering Program  
4202 E. Fowler Avenue, ENB 118  
Tampa, FL 33620

#### PROGRAM INFORMATION

Biomedical Engineering is a highly interdisciplinary program that combines engineering and the medical sciences. The student works with an advisor to develop a graduate program that draws on courses from engineering, medicine, public health, and the life sciences. Current active areas of research include: biomechanics, biomaterials, medical imaging, tissue engineering, sensors, telehealth, cellular-level drug delivery, and rehabilitation engineering. Participating institutions include the James Haley Veterans Administration Hospital, Shriners Orthopedic Hospital for Children, Florida Orthopedics Institute, and Tampa General Hospital. Dr. William Lee ([Lee@eng.usf.edu](mailto:Lee@eng.usf.edu)) is the Program Director

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

- Undergraduate GPA of 3.00 or higher.
- Minimum GRE, Quantitative >620; Analytical written score of 4 or >;

- An undergraduate Bachelor's degree or equivalent in Engineering or Science;
- TOEFL 550 (paper-based total) for international students or 213 (computer-based total);
- Three (3) letters of reference;
- Statement of research interests.

#### DEGREE PROGRAM REQUIREMENTS

The thesis option consists of 30 hours of coursework, including 6 hours of thesis. Students with non-engineering undergraduate degrees can apply; remedial courses may be required that will not count towards the degree.

Currently there are three required classes:

GMS 6xxx	Anatomy and Physiology for Engineers	3
BME 6xxx	Foundations of Biomedical Engineering	3
PHC 6051	Biostatistics II	3
BME 5740	Theory and Design of Bioprocesses	3
BME 5742	Pharmaceutical Engineering	2
BME 5746	Introduction to Biomedical Engineering	3
BME 5748	Selected Topics in Biomedical Engineering	1-3
BME 5910	Directed Research in Bioengineering	1-3

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>



## BIOMEDICAL ENGINEERING PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	90
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.0501
<b>Dept Code:</b>	ECH
<b>Program (Major/College):</b>	EBI EN

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	
<b>Program Director:</b>	William Lee, III
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-2136
<b>Fax:</b>	813-974-4651
<b>Email:</b>	<a href="mailto:lee@eng.usf.edu">lee@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://che.eng.usf.edu/BioMed">http://che.eng.usf.edu/BioMed</a>

##### Mailing Address:

University of South Florida  
 Chemical Engineering  
 Biomedical Engineering Program  
 4202 E. Fowler Avenue, ENB 118  
 Tampa, FL 33620

#### PROGRAM INFORMATION

The Ph.D. in Biomedical Engineering at the University of South Florida prepares individuals to contribute in this highly interdisciplinary field both as individuals and as members of interdisciplinary teams. Graduates are prepared to solve complex problems in areas such as diagnostic instrumentation, artificial organs, prosthetic devices, rehabilitation, and health care system design and operations. The doctoral program capitalizes on USF's strong programs in Engineering and in the Health Sciences as well as the contiguously located H. Lee. Moffitt Cancer Center and Research Institute, the Shriners' Orthopedic Hospital and the James Haley Veterans Administration Hospital.

Students in the program may choose to concentrate in one of four nationally recognized areas of Biomedical Engineering strength at USF.

- \* Medical Imaging
- \* Rehabilitation Engineering
- \* Biomechanics and Biomaterials
- \* Cardiovascular Engineering

The BioMedical Engineering Program at USF provides students with an integrated knowledge of engineering, biomedical science and other appropriate disciplines to allow participation in and advancement of the interdisciplinary field of Biomedical Engineering. The program also facilitates biomedical engineering research at USF through interactions with USF faculty and with industry and other health care institutions and catalyzes the growth of biomedical product companies throughout the region through the development, dissemination, and commercialization of new biomedical technologies.

Overall, the program strives to develop and promote technologies and processes that will lead to better health care and improved quality of life for citizens of the State of Florida and beyond.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

Successful applicants to the Ph.D. degree program in biomedical engineering will typically have presented the following preferred qualifications:

1. GRE scores (V and Q) > 75 %tile and an AW > 4.0.
2. An undergraduate GPA of >3.5 (out of a possible 4.0) based on official transcripts.
3. Completion of a Master's degree in biomedical engineering or a related field including a Master's thesis.
4. Evidence of sustained interest in Biomedical Engineering including a statement of research interest
5. Three Letters of recommendation.

Note: Admissions decisions will be made using multiple measures indicated above. We strongly encourage applicants to contact specific faculty conducting research related to the student's interests. Such direct contact with individual faculty can greatly strengthen an application.

**DEGREE PROGRAM REQUIREMENTS****1) Core Courses:**

A minimum of 22 credits including:

- BME Fundamentals*
- Anatomy and Physiology for BME*
- Biostatistics II*

Plus one additional approved course in Biostatistics and two approved courses in the Medical Sciences.

**2) Specialization Courses:**

A minimum of 18 credit hours selected from one of the four areas

of specialization:

- Medical Imaging*
- Rehabilitation Engineering*
- Biomechanics and Biomaterials*
- Cardiovascular Engineering*

Courses completed as part of a Master's degree may be used to partially meet the above course requirements.

**3) Dissertation:**

A minimum of 50 credits of dissertation research are required. As with other engineering Ph.D. degrees, evidence of the significance of the conducted research is provided by publication in appropriate refereed journals.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

**OTHER INFORMATION:****Graduate Assistantships and Fellowships**

A limited number of financially competitive teaching and research graduate assistantships will be offered to incoming students. The College of Engineering is also home to several national graduate student support programs including NSF sponsored IGERT, GK-12 and Bridge to the Doctorate programs, the latter particularly emphasizing support for underrepresented minorities. Of special importance are the research opportunities and support available through affiliated institutions including the H. Lee Moffitt Cancer Center and Research Institute, the James Haley VA Hospital and the Shriners Hospital. In addition, particularly outstanding applicants will be nominated for university fellowships including Presidential Fellowships which provide stipends of \$20 K per year plus tuition, fees and Health Insurance renewable for five years.

**Results**

Doctoral graduates of this program have been prepared for and are successfully engaged in research careers in Government, Corporate, and University Laboratories. In addition, since much of Biomedical Engineering research translates directly into biomedical devices and instrumentation, graduates have also been directly involved in technology transfer including the establishment of new Biomedical Engineering related businesses.

**Graduate Certificates**

As a valuable complement to doctoral training in Biomedical Engineering, students are encouraged to also consider earning a graduate certificate particularly in the areas of:

- Clinical Epidemiology
- Entrepreneurship
- Health Management and Leadership
- Infection Control
- Materials Science & Engineering
- Regulatory Affairs.
- Rehabilitation Engineering
- Technology Management

## CHEMICAL ENGINEERING PROGRAM

### Master of Chemical Engineering (M.Ch.E) Degree

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.0701
<b>Dept Code:</b>	ECH
<b>Program (Major/College):</b>	ECH EN

**Concentrations available in:**  
Biomedical and Biotechnology (BEB)

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Chemical Engineering
<b>Program Director:</b>	John Wolan
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-3997
<b>Fax:</b>	813-974-3651
<b>Email:</b>	<a href="mailto:wolan@eng.usf.edu">wolan@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://che.eng.usf.edu/">http://che.eng.usf.edu/</a>

**Mailing Address:**  
University of South Florida  
Chemical Engineering  
Chemical Engineering Program  
4202 E. Fowler Avenue, ENB118  
Tampa, FL 33620

#### PROGRAM INFORMATION

Contract Program for Information

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**Major Research Areas:**

The Chemical Engineering faculty research and development interest cover a broad range of areas in reacting systems, thermodynamics, transport phenomena, systems engineering and characterization, all fundamental as well as applied in biomedical, materials including microelectronic, and environmental domains. Strong collaboration with the College of Medicine, Center of Microelectronic Research, as well as, Departments of Biology, Chemistry, Industrial Engineering, Civil Engineering, Mechanical Engineering, Electrical Engineering, and Computer Science makes most programs in Chemical engineering truly interdisciplinary.

The Department offers core courses in thermodynamics, transport phenomena, reacting systems, math, and process analysis and modeling. A rich variety of electives are available regularly within the department as well as the University.

Chemical Engineering research facilities include modern laboratories for polymer synthesis and characterization, supercritical fluid technology, life sciences, process control, instrumentation, computer aided process design, and phase behavior.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

1. Minimum GRE, Quantitative >620; Analytical written score of 4 or >;
2. An undergraduate Bachelor's degree or equivalent in Engineering or Science;
3. TOEFL 550 (paper-based total) for international students or 213 (computer-based total);
4. Two (2) letters of reference;
5. Statement of research interests.

#### DEGREE PROGRAM REQUIREMENTS

Contract Program for Information

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## CHEMICAL ENGINEERING PROGRAM

### Master of Engineering (M.E.) Degree

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.0701
<b>Dept Code:</b>	ECH
<b>Program (Major/College):</b>	ECH EN

**Concentrations available in:**  
Biomedical and Biotechnology (BEB)

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Chemical Engineering
<b>Program Director:</b>	John Wolan
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-3997
<b>Fax:</b>	813-974-3651
<b>Email:</b>	<a href="mailto:wolan@eng.usf.edu">wolan@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://che.eng.usf.edu/">http://che.eng.usf.edu/</a>

**Mailing Address:**

University of South Florida  
Chemical Engineering  
Chemical Engineering Program  
4202 E. Fowler Avenue, ENB118  
Tampa, FL 33620

#### PROGRAM INFORMATION

This degree is normally awarded to a Master's graduate who has an undergraduate degree in engineering or who has completed a prescribed series of undergraduate engineering courses, and completes an all coursework program.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**Major Research Areas:**

The Chemical Engineering faculty research and development interest cover a broad range of areas in reacting systems, thermodynamics, transport phenomena, systems engineering and characterization, all fundamental as well as applied in biomedical, materials including microelectronic, and environmental domains. Strong collaboration with the College of Medicine, Center of Microelectronic Research, as well as, Departments of Biology, Chemistry, Industrial Engineering, Civil Engineering, Mechanical Engineering, Electrical Engineering, and Computer Science makes most programs in Chemical engineering truly interdisciplinary.

The Department offers core courses in thermodynamics, transport phenomena, reacting systems, math, and process analysis and modeling. A rich variety of electives are available regularly within the department as well as the University.

Chemical Engineering research facilities include modern laboratories for polymer synthesis and characterization, supercritical fluid technology, life sciences, process control, instrumentation, computer aided process design, and phase behavior.

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

1. Minimum GRE, Quantitative >620; Analytical written score of 4 or >;
2. An undergraduate Bachelor's degree or equivalent in Engineering or Science;
3. TOEFL 550 (paper-based total) for international students or 213 (computer-based total);
4. Two (2) letters of reference;
5. Statement of research interests.

**DEGREE PROGRAM REQUIREMENTS**

Contact Program for information.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## CHEMICAL ENGINEERING PROGRAM

### Master of Science in Chemical Engineering (M.S.Ch.) Degree

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.0701
<b>Dept Code:</b>	ECH
<b>Program (Major/College):</b>	ECH EN

**Concentrations available in:**  
Biomedical and Biotechnology (BEB)

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Chemical Engineering
<b>Program Director:</b>	John Wolan
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-3997
<b>Fax:</b>	813-974-3651
<b>Email:</b>	<a href="mailto:wolan@eng.usf.edu">wolan@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://che.eng.usf.edu/">http://che.eng.usf.edu/</a>

**Mailing Address:**

University of South Florida  
Chemical Engineering  
Chemical Engineering Program  
4202 E. Fowler Avenue, ENB118  
Tampa, FL 33620

#### PROGRAM INFORMATION

This degree is normally awarded to a Master's graduate who has an undergraduate degree in engineering or who has completed a prescribed series of undergraduate engineering courses, and completes an all coursework program.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**Major Research Areas:**

The Chemical Engineering faculty research and development interest cover a broad range of areas in reacting systems, thermodynamics, transport phenomena, systems engineering and characterization, all fundamental as well as applied in biomedical, materials including microelectronic, and environmental domains. Strong collaboration with the College of Medicine, Center of Microelectronic Research, as well as, Departments of Biology, Chemistry, Industrial Engineering, Civil Engineering, Mechanical Engineering, Electrical Engineering, and Computer Science makes most programs in Chemical engineering truly interdisciplinary.

The Department offers core courses in thermodynamics, transport phenomena, reacting systems, math, and process analysis and modeling. A rich variety of electives are available regularly within the department as well as the University.

Chemical Engineering research facilities include modern laboratories for polymer synthesis and characterization, supercritical fluid technology, life sciences, process control, instrumentation, computer aided process design, and phase behavior.

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

1. Minimum GRE, Quantitative >620; Analytical written score of 4 or >;
2. An undergraduate Bachelor's degree or equivalent in Engineering or Science;
3. TOEFL 550 (paper-based total) for international students or 213 (computer-based total);
4. Three (3) letters of reference;
5. statement of research interests.

**DEGREE PROGRAM REQUIREMENTS**

Contact Program for information.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## CHEMICAL ENGINEERING PROGRAM

### Master of Science in Engineering Science (M.S.E.S.) Degree

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.0701
<b>Dept Code:</b>	ECH
<b>Program (Major/College):</b>	ECH EN

**Concentrations available in:**  
Biomedical and Biotechnology (BEB)

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Chemical Engineering
<b>Program Director:</b>	John Wolan
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-3997
<b>Fax:</b>	813-974-3651
<b>Email:</b>	<a href="mailto:wolan@eng.usf.edu">wolan@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://che.eng.usf.edu/">http://che.eng.usf.edu/</a>

**Mailing Address:**

University of South Florida  
Chemical Engineering  
Chemical Engineering Program  
4202 E. Fowler Avenue, ENB118  
Tampa, FL 33620

#### PROGRAM INFORMATION

This degree is normally awarded to a Master's graduate who has an undergraduate degree in engineering or who has completed a prescribed series of undergraduate engineering courses, and completes an all coursework program.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**Major Research Areas:**

The Chemical Engineering faculty research and development interest cover a broad range of areas in reacting systems, thermodynamics, transport phenomena, systems engineering and characterization, all fundamental as well as applied in biomedical, materials including microelectronic, and environmental domains. Strong collaboration with the College of Medicine, Center of Microelectronic Research, as well as, Departments of Biology, Chemistry, Industrial Engineering, Civil Engineering, Mechanical Engineering, Electrical Engineering, and Computer Science makes most programs in Chemical engineering truly interdisciplinary.

The Department offers core courses in thermodynamics, transport phenomena, reacting systems, math, and process analysis and modeling. A rich variety of electives

are available regularly within the department as well as the University.

Chemical Engineering research facilities include modern laboratories for polymer synthesis and characterization, supercritical fluid technology, life sciences, process control, instrumentation, computer aided process design, and phase behavior.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

1. Minimum GRE, Quantitative >620; Analytical written score of 4 or >;
2. An undergraduate Bachelor's degree or equivalent in Engineering or Science;
3. TOEFL 550 (paper-based total) for international students or 213 (computer-based total);
4. Three (3) letters of reference;
5. Statement of research interests.

#### DEGREE PROGRAM REQUIREMENTS

Contact Program for information.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## CHEMICAL ENGINEERING PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.0701
<b>Dept Code:</b>	ECH
<b>Program (Major/College):</b>	ECH EN

**Concentrations available in:**

- Manufacturing (MFT)
- Biomedical and Biotechnology (BEB)

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Chemical Engineering
<b>Program Director:</b>	John Wolan
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-3997
<b>Fax:</b>	813-974-3651
<b>Email:</b>	<a href="mailto:wolan@eng.usf.edu">wolan@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://che.eng.usf.edu/">http://che.eng.usf.edu/</a>

**Mailing Address:**

University of South Florida  
 Chemical Engineering  
 Chemical Engineering Program  
 4202 E. Fowler Avenue, ENB118  
 Tampa, FL 33620

#### PROGRAM INFORMATION

Contact Program for Information

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**Major Research Areas:**

The Chemical Engineering faculty research and development interest cover a broad range of areas in reacting systems, thermodynamics, transport phenomena, systems engineering and characterization, all fundamental as well as applied in biomedical, materials including microelectronic, and environmental domains. Strong collaboration with the College of Medicine, Center of Microelectronic Research, as well as, Departments of Biology, Chemistry, Industrial Engineering, Civil Engineering, Mechanical Engineering, Electrical Engineering, and Computer Science makes most programs in Chemical engineering truly interdisciplinary.

The Department offers core courses in thermodynamics, transport phenomena, reacting systems, math, and process analysis and modeling. A rich variety of electives are available regularly within the department as well as the University.

Chemical Engineering research facilities include modern laboratories for polymer synthesis and characterization, supercritical fluid technology, life sciences, process control, instrumentation, computer aided process design, and phase behavior.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

1. Minimum GRE, Quantitative >620; Analytical written score of 4 or >;
2. A master's degree with a GPA of 3.5 or higher
3. TOEFL 550 (paper-based total) for international students or 213 (computer-based total);
4. Three letters of reference.

#### DEGREE PROGRAM REQUIREMENTS

Contact Program for Information

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## CIVIL ENGINEERING PROGRAM

### Master of Civil Engineering (M.C.E.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.0801
<b>Dept Code:</b>	EGX
<b>Program (Major/College):</b>	ECE EN

##### Concentrations available in:

Geotechnical Engineering (GTL)  
 Interdisciplinary Transportation (ITP)  
 Materials Engineering and Science (MTL)  
 Structural Engineering (STR)  
 Transportation Engineering (TPT)  
 Water Resources (WRS)

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Civil and Environmental Engineering
<b>Program Director:</b>	Ram M. Pendyala
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-2275
<b>Fax:</b>	813-974-2957
<b>Email:</b>	<a href="mailto:pendyala@eng.usf.edu">pendyala@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://ce.eng.usf.edu/">http://ce.eng.usf.edu/</a>

##### Mailing Address:

University of South Florida  
 Department of Civil and Environmental  
 Engineering  
 Civil Engineering Program  
 4202 E. Fowler Avenue, ENB118  
 Tampa, FL 33620

#### PROGRAM INFORMATION

The field of Civil Engineering has long been known for its breadth and ability to adapt to the new technological needs of society. The traditional areas of public works, such as highways, bridges, water supply, building design, and wastewater treatment, remain very important. In addition, the modern area of managing the environment has been included in the Civil Engineering domain. Graduates of the programs are prepared for careers with public agencies or private industry and firms involved in planning, design, research and development, or regulation.

College computer facilities are available to all departmental students. In addition, the department has a variety of microcomputers available for student use. The department also has a high bay structures laboratory, which includes an MTS 250 kip testing machine. There are also well-equipped environmental, soils, pavement and hydraulics laboratories. These laboratories include equipment such as an ion chromatograph, atomic absorption unit, environmental chamber, constant rate of stress consolidometer, triaxial units and superpave testing equipment.

The M.C.E. degree provides a student with the opportunity to earn the advanced degree by coursework only. The MCE degree is intended for students who have at least two years of civil engineering related work experience prior to completion of degree requirements. The work experience should include the preparation of engineering reports. The student's graduate advisor may require documentation of report writing ability before

approving this degree. These degrees are recommended for part-time students who find it difficult to do thesis research because of their work commitment. Many of the department's graduate courses are offered on weekday evenings, which permits part-time and FEEDS (Florida Engineering Education Delivery System) students the opportunity to seek a graduate degree

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

1. Overall GPA 2.75; GPA in major 3.00
2. GRE 650Q and 3.0 AW
3. TOEFL (International applicants only) 550 or 213 (CBT).
4. Three (3) Letters of Reference
5. Statement of Purpose
6. Exceptions made on a case-by-case basis where warranted.

#### DEGREE PROGRAM REQUIREMENTS

The minimum coursework requirement for the Master of Engineering degrees is 30 credit hours.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>



## CIVIL ENGINEERING PROGRAM

### Master of Engineering (M.E.) Degree

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.0801
<b>Dept Code:</b>	EGX
<b>Program (Major/College):</b>	ECE EN

**Concentrations available in:**

Geotechnical Engineering (GTL)  
 Interdisciplinary Transportation (ITP)  
 Materials Engineering and Science (MTL)  
 Structural Engineering (STR)  
 Transportation Engineering (TPT)  
 Water Resources (WRS)

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Civil and Environmental Engineering
<b>Program Director:</b>	Ram M. Pendyala
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-2275
<b>Fax:</b>	813-974-2957
<b>Email:</b>	<a href="mailto:pendyala@eng.usf.edu">pendyala@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://ce.eng.usf.edu/">http://ce.eng.usf.edu/</a>

**Mailing Address:**

University of South Florida  
 Department of Civil and Environmental  
 Engineering  
 Civil Engineering Program  
 4202 E. Fowler Avenue, ENB118  
 Tampa, FL 33620

#### PROGRAM INFORMATION

The field of Civil Engineering has long been known for its breadth and ability to adapt to the new technological needs of society. The traditional areas of public works, such as highways, bridges, water supply, building design, and wastewater treatment, remain very important. In addition, the modern area of managing the environment has been included in the Civil Engineering domain. Graduates of the programs are prepared for careers with public agencies or private industry and firms involved in planning, design, research and development, or regulation.

College computer facilities are available to all departmental students. In addition, the department has a variety of microcomputers available for student use. The department also has a high bay structures laboratory, which includes an MTS 250 kip testing machine. There are also well-equipped environmental, soils, pavement and hydraulics laboratories. These laboratories include equipment such as an ion chromatograph, atomic absorption unit, environmental chamber, constant rate of stress consolidometer, triaxial units and superpave testing equipment.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

1. Overall GPA 2.75; GPA in major 3.00
2. GRE 650Q, 3.0AW
3. TOEFL (International applicants only) 550 or 213 (CBT).
4. Three (3) letters of reference.
5. Statement of Purpose.
6. Exceptions made on a case-by-case basis where warranted.

#### DEGREE PROGRAM REQUIREMENTS

The minimum coursework requirement for the Master of Engineering degrees is 33 credit hours.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## CIVIL ENGINEERING PROGRAM

### Master of Science in Civil Engineering (M.S.C.E.) Degree

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.0801
<b>Dept Code:</b>	EGX
<b>Program (Major/College):</b>	ECE EN

**Concentrations available in:**

Geotechnical Engineering (GTL)  
 Interdisciplinary Transportation (ITP)  
 Materials Engineering and Science (MTL)  
 Structural Engineering (STR)  
 Transportation Engineering (TPT)  
 Water Resources (WRS)

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Civil and Environmental Engineering
<b>Program Director:</b>	Ram M. Pendyala
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-2275
<b>Fax:</b>	813-974-2957
<b>Email:</b>	<a href="mailto:pendyala@eng.usf.edu">pendyala@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://ce.eng.usf.edu/">http://ce.eng.usf.edu/</a>

**Mailing Address:**

University of South Florida  
 Department of Civil and Environmental  
 Engineering  
 Civil Engineering Program  
 4202 E. Fowler Avenue, ENB118  
 Tampa, FL 33620

#### PROGRAM INFORMATION

The field of Civil Engineering has long been known for its breadth and ability to adapt to the new technological needs of society. The traditional areas of public works, such as highways, bridges, water supply, building design, and wastewater treatment, remain very important. In addition, the modern area of managing the environment has been included in the Civil Engineering domain. Graduates of the programs are prepared for careers with public agencies or private industry and firms involved in planning, design, research and development, or regulation.

College computer facilities are available to all departmental students. In addition, the department has a variety of microcomputers available for student use. The department also has a high bay structures laboratory, which includes an MTS 250 kip testing machine. There are also well-equipped environmental, soils, pavement and hydraulics laboratories. These laboratories include equipment such as an ion chromatograph, atomic absorption unit, environmental chamber, constant rate of stress consolidometer, triaxial units and superpave testing equipment.

The MSCE is a research oriented degree in which the student writes, as a major part of the degree requirements, a thesis that defines, examines, and reports in depth on a subject area relevant to engineering. The purpose of the thesis is to instill in the student the ability to inspect,

evaluate, and report on a subject of interest to the engineering profession.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

1. Overall GPA 2.75; GPA in major 3.00
2. GRE 650Q, 3.0AW.
3. TOEFL (International applicants only) 550 or 213 (CBT).
4. Three (3) letters of reference.
5. Statement of Purpose.
6. Exceptions made on a case-by-case basis where warranted.

**DEGREE PROGRAM REQUIREMENTS:**

The programs consist of a minimum of 24 credit hours of coursework and 6 credit hours of thesis.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## CIVIL ENGINEERING PROGRAM

### Master of Science in Engineering Science (M.S.E.S.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.0801
<b>Dept Code:</b>	EGX
<b>Program (Major/College):</b>	ECE EN

##### Concentrations available in:

Geotechnical Engineering (GTL)  
 Interdisciplinary Transportation (ITP)  
 Materials Engineering and Science (MTL)  
 Structural Engineering (STR)  
 Transportation Engineering (TPT)  
 Water Resources (WRS)

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Civil and Environmental Engineering
<b>Program Director:</b>	Ram M. Pendyala
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-2275
<b>Fax:</b>	813-974-2957
<b>Email:</b>	<a href="mailto:pendyala@eng.usf.edu">pendyala@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://ce.eng.usf.edu/">http://ce.eng.usf.edu/</a>

##### Mailing Address:

University of South Florida  
 Department of Civil and Environmental  
 Engineering  
 Civil Engineering Program  
 4202 E. Fowler Avenue, ENB118  
 Tampa, FL 33620

#### PROGRAM INFORMATION

The field of Civil Engineering has long been known for its breadth and ability to adapt to the new technological needs of society. The traditional areas of public works, such as highways, bridges, water supply, building design, and wastewater treatment, remain very important. In addition, the modern area of managing the environment has been included in the Civil Engineering domain. Graduates of the programs are prepared for careers with public agencies or private industry and firms involved in planning, design, research and development, or regulation.

College computer facilities are available to all departmental students. In addition, the department has a variety of microcomputers available for student use. The department also has a high bay structures laboratory, which includes an MTS 250 kip testing machine. There are also well-equipped environmental, soils, pavement and hydraulics laboratories. These laboratories include equipment such as an ion chromatograph, atomic absorption unit, environmental chamber, constant rate of stress consolidometer, triaxial units and superpave testing equipment.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

1. Overall GPA 2.75; GPA in major 3.00
2. GRE 650Q, 3.0AW.
3. TOEFL (International applicants only) 550 or 213 (CBT).
4. Three (3) letters of reference.
5. Statement of Purpose.
6. Exceptions made on a case-by-case basis where warranted.

#### DEGREE PROGRAM REQUIREMENTS

Contact Program for information.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## CIVIL ENGINEERING PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	60/90
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.0801
<b>Dept Code:</b>	EGX
<b>Program (Major/College):</b>	ECE EN

##### Concentrations available in:

Geotechnical Engineering (GTL)  
 Interdisciplinary Transportation (ITP)  
 Materials Engineering and Science (MTL)  
 Structural Engineering (STR)  
 Transportation Engineering (TPT)  
 Water Resources (WRS)

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Civil and Environmental Engineering
<b>Program Director:</b>	Ram M. Pendyala
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-2275
<b>Fax:</b>	813-974-2957
<b>Email:</b>	<a href="mailto:pendyala@eng.usf.edu">pendyala@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://ce.eng.usf.edu/">http://ce.eng.usf.edu/</a>

##### Mailing Address:

University of South Florida  
 Department of Civil and Environmental  
 Engineering  
 Civil Engineering Program  
 4202 E. Fowler Avenue, ENB118  
 Tampa, FL 33620

#### PROGRAM INFORMATION

The field of Civil Engineering has long been known for its breadth and ability to adapt to the new technological needs of society. The traditional areas of public works, such as highways, bridges, water supply, building design, and wastewater treatment, remain very important. In addition, the modern area of managing the environment has been included in the Civil Engineering domain. Graduates of the programs are prepared for careers with public agencies or private industry and firms involved in planning, design, research and development, or regulation.

College computer facilities are available to all departmental students. In addition, the department has a variety of microcomputers available for student use. The department also has a high bay structures laboratory, which includes an MTS 250 kip testing machine. There are also well-equipped environmental, soils, pavement and hydraulics laboratories. These laboratories include equipment such as an ion chromatograph, atomic absorption unit, environmental chamber, constant rate of stress consolidometer, triaxial units and superpave testing equipment.

The Ph.D. degree is awarded in recognition of demonstrated scholarly competence and ability to conduct and report original and significant research. Ph.D. students may work in all of the areas of Civil

Engineering: Engineering Mechanics, Environmental Engineering, Geotechnical Engineering, Pavement Engineering, Materials Engineering and Science, Structural Engineering, Transportation Engineering and Planning, and Water Resources Engineering.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

1. GRE 700Q, 4.0AW.
2. TOEFL (International applicants only) 550 or 213 (CBT).
3. Three (3) letters of reference.
4. Statement of Purpose.

#### DEGREE PROGRAM REQUIREMENTS

The program consists of a minimum of 60 credits of coursework beyond the bachelor's degree and 30 credits of dissertation/research.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## COMPUTER ENGINEERING PROGRAM

### Master of Computer Engineering (M.C.P.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

Not accepting applications

~~Minimum Total Hours:~~ 33

~~Program Level:~~ Masters

~~Program Status:~~ Inactive (as of Fall 2005)

~~CIP Code:~~ 14.0901

~~Dept Code:~~ ESB

~~Program (Major/College):~~ ECP-EN

#### CONTACT INFORMATION

Please See MSCP  
Degree on Page 520

~~Inactive. Currently not accepting applications.~~

#### PROGRAM INFORMATION

~~The department offers opportunities for study and research in all areas fundamental to Computer Science and Engineering. In addition to the vast array of college-wide computer facilities, the Department has a 100Mbit local area network consisting of PC's and Sun SPARC workstations, and multiple printers. The network provides connectivity to Internet 2. The department's facilities also include a microprocessor laboratory, a hardware/architecture laboratory, and PC-compatible laboratory for instructional use.~~

~~There are specialized laboratories for research in Artificial Intelligence, Computer Graphics, Computer Networks, Robotics, Software Testing, and VLSI design and CAD. These laboratories provide access to special purpose hardware and software including high performance servers, graphics workstations, parallel machines, multiple robotics platforms, and specialized software packages. Engineering Computing operates large open access PC labs and SUN Servers for the College of Engineering. Some graduate courses offered by the department are available to practicing engineers through the FEEDS (Florida Engineering Education Delivery System) program.~~

##### Accreditation:

~~Accredited by the Commission on Colleges of the Southern Association of College and Schools.~~

##### Major Research Areas:

~~An excellent selection of courses and laboratories support graduate studies in artificial intelligence, coding theory,~~

~~computer architecture, computer graphics, computer networks, computer vision, expert systems, fault-tolerant computing, human-computer interface, image processing, robotics, software engineering, formal verification, and VLSI design and CAD.~~

#### ADMISSION INFORMATION

~~Must meet University requirements (see Graduate Admissions) as well as requirements listed below.~~

##### Program Admission Requirements

~~INACTIVE – Not accepting applications.~~

- ~~1. GRE (must make at least 500 verbal)~~
- ~~2. Minimum grade point average (GPA) of 3.3 out of 4.0 for all coursework completed during the last two years of undergraduate program~~
- ~~3. Minimum TOEFL score for international students is 550 (paper-based total) or 213 (computer-based total)~~
- ~~4. Three letters of recommendation~~
- ~~5. Statement of purpose~~
- ~~6. The applicant must also have mathematical preparation equivalent to that obtained from courses in Calculus through Differential Equations; knowledge of computer science and computer engineering, including logic design, computer architecture, data structure, operating systems and algorithms.~~

#### DEGREE PROGRAM REQUIREMENTS

~~Contact Computer Science and Engineering for information.~~

~~COURSES – See <http://www.ugs.usf.edu/sab/sabs.cfm>~~

## COMPUTER ENGINEERING PROGRAM

### Master of Engineering (M.E.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

##### U.S. Students

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	No Admit

##### International Students:

<b>Fall:</b>	January 2
<b>Spring:</b>	July 1
<b>Summer:</b>	no admit

<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.0901
<b>Dept Code:</b>	ESB
<b>Program (Major/College):</b>	ECP EN

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Computer Science and Engineering
<b>Program Assistant:</b>	Catherine Burton
<b>Other Contact:</b>	Srinivas Katkoori, Graduate Admissions Coord.
<b>Phone:</b>	813-974-3033
<b>Fax:</b>	813-974-5456
<b>Email:</b>	<a href="mailto:gradvisor@cse.usf.edu">gradvisor@cse.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cse.usf.edu/">http://www.cse.usf.edu/</a>

##### Mailing Address:

University of South Florida  
Department of Computer Science and Engineering  
Computer Engineering Program  
4202 E. Fowler Avenue, ENB118  
Tampa, FL 33620

#### PROGRAM INFORMATION

The department offers opportunities for study and research in all areas fundamental to Computer Science and Engineering. In addition to the vast array of college-wide computer facilities, the Department has a 100Mbit local area network consisting of PC's and Sun SPARC workstations, and multiple printers. The network provides connectivity to Internet 2. The department's facilities also include a microprocessor laboratory, a hardware/architecture laboratory, and PC-compatible laboratory for instructional use.

There are specialized laboratories for research in Artificial Intelligence, Computer Graphics, Computer Networks, Robotics, Software Testing, and VLSI design and CAD. These laboratories provide access to special purpose hardware and software including high-performance servers, graphics workstations, parallel machines, multiple robotics platforms, and specialized software packages. Engineering Computing operates large open access PC labs and SUN Servers for the College of Engineering. Some graduate courses offered by the department are available to practicing engineers through the FEEDS (Florida Engineering Education Delivery System) program.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### Major Research Areas:

An excellent selection of courses and laboratories support graduate studies in artificial intelligence, coding theory, computer architecture, computer graphics, computer networks, computer vision, expert systems, fault-tolerant computing, human-computer interface, image processing, robotics, software engineering, formal verification, and VLSI design and CAD.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

1. GRE (must make at least 500 verbal)
2. Minimum grade point average (GPA) of 3.3 out of 4.0 for all coursework completed during the last two years of undergraduate program
3. Minimum TOEFL score for international students is 550 (paper-based total) or 213 (computer-based total)
4. Three letters of recommendation
5. Statement of purpose
6. The applicant must also have mathematical preparation equivalent to that obtained from courses in Calculus through Differential Equations; knowledge of computer science and

computer engineering, including logic design, computer architecture, data structure, operating systems and algorithms.

7. For teaching assistantship consideration applicants from non-English speaking countries must take and pass the Test of Spoken English (TSE).

### **DEGREE PROGRAM REQUIREMENTS**

Contact Computer Science and Engineering for information

**COURSES** -See <http://www.ugs.usf.edu/sab/sabs.cfm>

## COMPUTER ENGINEERING PROGRAM

### Master of Science in Computer Engineering (M.S.C.P.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

##### U.S. Students

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	no admit

##### International Students:

<b>Fall:</b>	January 2
<b>Spring:</b>	July 1
<b>Summer:</b>	no admit

**Minimum Total Hours:** 30 thesis: 33 non-thesis

**Program Level:** Masters

**Program Status:** Active

**CIP Code:** 14.0901

**Dept Code:** ESB

**Program (Major/College):** ECP EN

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Computer Science and Engineering
<b>Program Assistant:</b>	Catherine Burton
<b>Other Contact:</b>	Srinivas Katkoori, Graduate Admissions Coord. 813-974-3033
<b>Phone:</b>	813-974-3033
<b>Fax:</b>	813-974-5456
<b>Email:</b>	<a href="mailto:gradvisor@cse.usf.edu">gradvisor@cse.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cse.usf.edu/">http://www.cse.usf.edu/</a>

##### Mailing Address:

University of South Florida  
Department of Computer Science and Engineering  
Computer Engineering Program  
4202 E. Fowler Avenue, ENB118  
Tampa, FL 33620

#### PROGRAM INFORMATION

The department offers opportunities for study and research in all areas fundamental to Computer Science and Engineering. In addition to the vast array of college-wide computer facilities, the Department has a 100Mbit local area network consisting of PC's and Sun SPARC workstations, and multiple printers. The network provides connectivity to Internet 2. The department's facilities also include a microprocessor laboratory, a hardware/architecture laboratory, and PC-compatible laboratory for instructional use.

There are specialized laboratories for research in Artificial Intelligence, Computer Graphics, Computer Networks, Robotics, Software Testing, and VLSI design and CAD. These laboratories provide access to special purpose hardware and software including high-performance servers, graphics workstations, parallel machines, multiple robotics platforms, and specialized software packages. Engineering Computing operates large open access PC labs and SUN Servers for the College of Engineering. Some graduate courses offered by the department are available to practicing engineers through the FEEDS (Florida Engineering Education Delivery System) program.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### Major Research Areas:

An excellent selection of courses and laboratories support graduate studies in artificial intelligence, coding theory,

computer architecture, computer graphics, computer networks, computer vision, expert systems, fault-tolerant computing, human-computer interface, image processing, robotics, software engineering, formal verification, and VLSI design and CAD.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

1. GRE (must make at least 500 verbal)
2. Minimum grade point average (GPA) of 3.3 out of 4.0 for all coursework completed during the last two years of undergraduate program
3. Minimum TOEFL score for international students is 550 (paper-based total) or 213 (computer-based total)
4. Three letters of recommendation
5. Statement of purpose
6. The applicant must also have mathematical preparation equivalent to that obtained from courses in Calculus through Differential Equations; knowledge of computer science and computer engineering, including logic design, computer architecture, data structure, operating systems and algorithms.



7. For teaching assistantship consideration, applicants from non-English speaking countries must take and pass the Test of Spoken English (TSE).

### **DEGREE PROGRAM REQUIREMENTS**

Successful completion of three core graduate-level courses: Principles of Computer Architecture, Operating Systems, and Theory of Algorithms (non-thesis option students must make a grade of "B" or higher in these core courses). In addition, thesis option requires completion of 15 credit hours of CSE graduate-level electives and 6 credit hours of thesis, and non-thesis option requires 24 credit hours of CSE graduate-level electives.

**COURSES** - See <http://www.ugs.usf.edu/sab/sabs.cfm>

## COMPUTER ENGINEERING PROGRAM

### Master of Science in Engineering Science (M.S.E.S.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

##### U.S. Students

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	no admit

##### International Students:

<b>Fall:</b>	January 2
<b>Spring:</b>	July 1
<b>Summer:</b>	no admit

<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.0901
<b>Dept Code:</b>	ESB
<b>Program (Major/College):</b>	ECP EN

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Computer Science and Engineering
<b>Program Assistant:</b>	Catherine Burton
<b>Other Contact:</b>	Srinivas Katkoori, Graduate Admissions Coord.
<b>Phone:</b>	813-974-3033
<b>Fax:</b>	813-974-5456
<b>Email:</b>	<a href="mailto:gradvisor@cse.usf.edu">gradvisor@cse.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cse.usf.edu/">http://www.cse.usf.edu/</a>

##### Mailing Address:

University of South Florida  
Department of Computer Science and Engineering  
Computer Engineering Program  
4202 E. Fowler Avenue, ENB118  
Tampa, FL 33620

#### PROGRAM INFORMATION

The department offers opportunities for study and research in all areas fundamental to Computer Science and Engineering. In addition to the vast array of college-wide computer facilities, the Department has a 100Mbit local area network consisting of PC's and Sun SPARC workstations, and multiple printers. The network provides connectivity to Internet 2. The department's facilities also include a microprocessor laboratory, a hardware/architecture laboratory, and PC-compatible laboratory for instructional use.

There are specialized laboratories for research in Artificial Intelligence, Computer Graphics, Computer Networks, Robotics, Software Testing, and VLSI design and CAD. These laboratories provide access to special purpose hardware and software including high-performance servers, graphics workstations, parallel machines, multiple robotics platforms, and specialized software packages. Engineering Computing operates large open access PC labs and SUN Servers for the College of Engineering. Some graduate courses offered by the department are available to practicing engineers through the FEEDS (Florida Engineering Education Delivery System) program.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### Major Research Areas:

An excellent selection of courses and laboratories support graduate studies in artificial intelligence, coding theory, computer architecture, computer graphics, computer networks, computer vision, expert systems, fault-tolerant

computing, human-computer interface, image processing, robotics, software engineering, formal verification, and VLSI design and CAD.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

1. GRE (must make at least 500 verbal)
2. Minimum grade point average (GPA) of 3.3 out of 4.0 for all coursework completed during the last two years of undergraduate program
3. Minimum TOEFL score for international students is 550 (paper-based total) or 213 (computer-based total)
4. Three letters of recommendation
5. Statement of purpose
6. The applicant must also have mathematical preparation equivalent to that obtained from courses in Calculus through Differential Equations; knowledge of computer science and computer engineering, including logic design, computer architecture, data structure, operating systems and algorithms.
7. For teaching assistantship consideration applicants from non-English speaking countries must take and pass the Test of Spoken English (TSE).

#### DEGREE PROGRAM REQUIREMENTS

Contact Computer Science and Engineering for information

**COURSES** - See <http://www.ugs.usf.edu/sab/sabs.cfm>

## COMPUTER SCIENCE PROGRAM

### Master of Science in Computer Science (M.S.C.S.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	No admit

**Minimum Total Hours:** 30 thesis: 33 non-thesis

**Program Level:** Masters

**Program Status:** Active

**CIP Code:** 14.0901

**Dept Code:** ESB

**Program (Major/College):** ECC EN

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Computer Science and Engineering
<b>Program Assistant:</b>	Catherine Burton
<b>Other Contact:</b>	Srinivas Katkoori, Graduate Admissions Coord.
<b>Phone:</b>	813-974-3033
<b>Fax:</b>	813-974-5456
<b>Email:</b>	<a href="mailto:gradvisor@cse.usf.edu">gradvisor@cse.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cse.usf.edu/">http://www.cse.usf.edu/</a>

##### Mailing Address:

University of South Florida  
Department of Computer Science and Engineering  
Computer Engineering Program  
4202 E. Fowler Avenue, ENB118  
Tampa, FL 33620

#### PROGRAM INFORMATION

The department offers opportunities for study and research in all areas fundamental to Computer Science and Engineering. In addition to the vast array of college-wide computer facilities, the Department has a 100Mbit local area network consisting of PC's and Sun SPARC workstations, and multiple printers. The network provides connectivity to Internet 2. The department's facilities also include a microprocessor laboratory, a hardware/architecture laboratory, and PC-compatible laboratory for instructional use.

There are specialized laboratories for research in Artificial Intelligence, Computer Graphics, Computer Networks, Robotics, Software Testing, and VLSI design and CAD. These laboratories provide access to special purpose hardware and software including high-performance servers, graphics workstations, parallel machines, multiple robotics platforms, and specialized software packages. Engineering Computing operates large open access PC labs and SUN Servers for the College of Engineering. Some graduate courses offered by the department are available to practicing engineers through the FEEDS (Florida Engineering Education Delivery System) program.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### Major Research Areas:

An excellent selection of courses and laboratories support graduate studies in artificial intelligence, coding theory, computer architecture, computer graphics, computer

networks, computer vision, expert systems, fault-tolerant computing, human-computer interface, image processing, robotics, software engineering, formal verification, and VLSI design and CAD.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

1. GRE (must make at least 500 verbal)
2. Minimum grade point average (GPA) of 3.3 out of 4.0 for all coursework completed during the last two years of undergraduate program
3. Minimum TOEFL score for international students is 550 (paper-based total) or 213 (computer-based total)
4. Three letters of recommendation
5. Statement of purpose
6. The applicant must also have mathematical preparation equivalent to that obtained from courses in Calculus through Differential Equations; knowledge of computer science and computer engineering, including logic design, computer architecture, data structure, operating systems and algorithms.
7. For teaching assistantship consideration, applicants from non-English speaking countries must take and pass the Test of Spoken English (TSE).

**DEGREE PROGRAM REQUIREMENTS**

Successful completion of three core graduate-level courses: Principles of Computer Architecture, Operating Systems, and Theory of Algorithms (non-thesis option students must make a grade of "B" or higher in these core courses). In addition, thesis option requires completion of 15 credit hours of CSE graduate-level electives and 6 credit hours of thesis, and non-thesis option requires 24 credit hours of CSE graduate-level electives.

**COURSES** - See <http://www.ugs.usf.edu/sab/sabs.cfm>

## COMPUTER SCIENCE PROGRAM

### Master of Engineering (M.E.) Degree

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	Not accepting applications
<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Inactive
<b>CIP Code:</b>	14.0901
<b>Dept Code:</b>	ESB
<b>Program (Major/College):</b>	ECC EN

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Computer Science and Engineering
<b>Program Assistant:</b>	Catherine Burton
<b>Other Contact:</b>	Srinivas Katkoori, Graduate Admissions Coord.
<b>Phone:</b>	813-974-3033
<b>Fax:</b>	813-974-5456
<b>Email:</b>	<a href="mailto:gradvisor@cse.usf.edu">gradvisor@cse.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cse.usf.edu/">http://www.cse.usf.edu/</a>
<b>Mailing Address:</b>	University of South Florida Department of Computer Science and Engineering Computer Engineering Program 4202 E. Fowler Avenue, ENB118 Tampa, FL 33620

#### PROGRAM INFORMATION

The department offers opportunities for study and research in all areas fundamental to Computer Science and Engineering. In addition to the vast array of college-wide computer facilities, the Department has a 100Mbit local area network consisting of PC's and Sun SPARC workstations, and multiple printers. The network provides connectivity to Internet 2. The department's facilities also include a microprocessor laboratory, a hardware/architecture laboratory, and PC-compatible laboratory for instructional use.

There are specialized laboratories for research in Artificial Intelligence, Computer Graphics, Computer Networks, Robotics, Software Testing, and VLSI design and CAD. These laboratories provide access to special purpose hardware and software including high-performance servers, graphics workstations, parallel machines, multiple robotics platforms, and specialized software packages. Engineering Computing operates large open access PC labs and SUN Servers for the College of Engineering. Some graduate courses offered by the department are available to practicing engineers through the FEEDS (Florida Engineering Education Delivery System) program.

#### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### Major Research Areas:

An excellent selection of courses and laboratories support graduate studies in artificial intelligence, coding theory, computer architecture, computer graphics, computer networks, computer vision, expert systems, fault-tolerant computing, human-computer interface, image processing,

robotics, software engineering, formal verification, and VLSI design and CAD.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

#### Program Admission Requirements

##### **INACTIVE – not accepting applications**

1. GRE (must make at least 500 verbal)
2. Minimum grade point average (GPA) of 3.3 out of 4.0 for all coursework completed during the last two years of undergraduate program
3. Minimum TOEFL score for international students is 550 (paper-based total) or 213 (computer-based total)
4. Three letters of recommendation
5. Statement of purpose
6. The applicant must also have mathematical preparation equivalent to that obtained from courses in Calculus through Differential Equations; knowledge of computer science and computer engineering, including logic design, computer architecture, data structure, operating systems and algorithms.
7. For teaching assistantship consideration, applicants from non-English speaking countries must take and pass the Test of Spoken English (TSE).

#### DEGREE PROGRAM REQUIREMENTS

Contact Computer Science and Engineering for information

**COURSES** - See <http://www.ugs.usf.edu/sab/sabs.cfm>

## COMPUTER SCIENCE PROGRAM

### Master of Computer Science (M.C.S.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

Not accepting applications

**Minimum Total Hours:** 30

**Program Level:** Masters

**Program Status:** Inactive (as of Fall 2005)

**CIP Code:** 14.0901

**Dept Code:** ESB

**Program (Major/College):** ECC EN

#### CONTACT INFORMATION

Please See MSCS  
Degree on Page 523

#### PROGRAM INFORMATION

The department offers opportunities for study and research in all areas fundamental to Computer Science and Engineering. In addition to the vast array of college-wide computer facilities, the Department has a 100Mbit local area network consisting of PC's and Sun SPARC workstations, and multiple printers. The network provides connectivity to Internet 2. The department's facilities also include a microprocessor laboratory, a hardware/architecture laboratory, and PC compatible laboratory for instructional use.

There are specialized laboratories for research in Artificial Intelligence, Computer Graphics, Computer Networks, Robotics, Software Testing, and VLSI design and CAD. These laboratories provide access to special purpose hardware and software including high performance servers, graphics workstations, parallel machines, multiple robotics platforms, and specialized software packages. Engineering Computing operates large open access PC labs and SUN Servers for the College of Engineering. Some graduate courses offered by the department are available to practicing engineers through the FEEDS (Florida Engineering Education Delivery System) program.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### Major Research Areas:

An excellent selection of courses and laboratories support graduate studies in artificial intelligence, coding theory, computer architecture, computer graphics, computer networks, computer vision, expert systems, fault-tolerant

computing, human-computer interface, image processing, robotics, software engineering, formal verification, and VLSI design and CAD.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### **INACTIVE: Not accepting applications**

##### Program Admission Requirements

1. GRE (must make at least 500 verbal)
2. Minimum grade point average (GPA) of 3.3 out of 4.0 for all coursework completed during the last two years of undergraduate program
3. Minimum TOEFL score for international students is 550 (paper-based total) or 213 (computer-based total)
4. Three letters of recommendation
5. Statement of purpose
6. The applicant must also have mathematical preparation equivalent to that obtained from courses in Calculus through Differential Equations; knowledge of computer science and computer engineering, including logic design, computer architecture, data structure, operating systems and algorithms.
7. TA applicants whose native language is not English must take and pass the TSE.

#### DEGREE PROGRAM REQUIREMENTS

Contact Computer Science and Engineering for information

**COURSES** – See <http://www.ugs.usf.edu/sab/sabs.cfm>

## COMPUTER SCIENCE PROGRAM

### Master of Science in Engineering Science (M.S.E.S.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

##### US Students:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	No admit

##### International Students:

<b>Fall:</b>	January 2
<b>Spring:</b>	July 1
<b>Summer:</b>	No admit

<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active
<b>CIP Code:</b>	14.0901
<b>Dept Code:</b>	ESB
<b>Program (Major/College):</b>	ECC EN

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Computer Science and Engineering
<b>Program Assistant:</b>	Catherine Burton
<b>Other Contact:</b>	Srinivas Katkoori, Graduate Admissions Coord. 813-974-3033
<b>Phone:</b>	813-974-3033
<b>Fax:</b>	813-974-5456
<b>Email:</b>	<a href="mailto:gradvisor@cse.usf.edu">gradvisor@cse.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cse.usf.edu/">http://www.cse.usf.edu/</a>

##### Mailing Address:

University of South Florida  
Department of Computer Science and Engineering  
Computer Engineering Program  
4202 E. Fowler Avenue, ENB118  
Tampa, FL 33620

#### PROGRAM INFORMATION

The department offers opportunities for study and research in all areas fundamental to Computer Science and Engineering. In addition to the vast array of college-wide computer facilities, the Department has a 100Mbit local area network consisting of PC's and Sun SPARC workstations, and multiple printers. The network provides connectivity to Internet 2. The department's facilities also include a microprocessor laboratory, a hardware/architecture laboratory, and PC-compatible laboratory for instructional use.

There are specialized laboratories for research in Artificial Intelligence, Computer Graphics, Computer Networks, Robotics, Software Testing, and VLSI design and CAD. These laboratories provide access to special purpose hardware and software including high-performance servers, graphics workstations, parallel machines, multiple robotics platforms, and specialized software packages. Engineering Computing operates large open access PC labs and SUN Servers for the College of Engineering. Some graduate courses offered by the department are available to practicing engineers through the FEEDS (Florida Engineering Education Delivery System) program.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### Major Research Areas:

An excellent selection of courses and laboratories support graduate studies in artificial intelligence, coding theory, computer architecture, computer graphics, computer networks, computer vision, expert systems, fault-tolerant

computing, human-computer interface, image processing, robotics, software engineering, formal verification, and VLSI design and CAD.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

1. GRE (must make at least 500 verbal)
2. Minimum grade point average (GPA) of 3.3 out of 4.0 for all coursework completed during the last two years of undergraduate program
3. Minimum TOEFL score for international students is 550 (paper-based total) or 213 (computer-based total)
4. Three letters of recommendation
5. Statement of purpose
6. The applicant must also have mathematical preparation equivalent to that obtained from courses in Calculus through Differential Equations; knowledge of computer science and computer engineering, including logic design, computer architecture, data structure, operating systems and algorithms.
7. For teaching assistantship consideration, applicants from non-English speaking countries must take and pass the Test of Spoken English (TSE).

#### DEGREE PROGRAM REQUIREMENTS

Contact Computer Science and Engineering for information

**COURSES** - See <http://www.ugs.usf.edu/sab/sabs.cfm>

## COMPUTER SCIENCE AND ENGINEERING PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

##### US Students:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	No admit

##### International Students:

<b>Fall:</b>	January 2
<b>Spring:</b>	July 1
<b>Summer:</b>	No admit

<b>Minimum Total Hours:</b>	90/60
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.0901
<b>Dept Code:</b>	ESB
<b>Program (Major/College):</b>	CSE EN

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Computer Science and Engineering
<b>Program Assistant:</b>	Catherine Burton
<b>Other Contact:</b>	Srinivas Katkoori, Graduate Admissions Coord.
<b>Phone:</b>	813-974-3033
<b>Fax:</b>	813-974-5456
<b>Email:</b>	<a href="mailto:gradvisor@cse.usf.edu">gradvisor@cse.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cse.usf.edu/">http://www.cse.usf.edu/</a>

##### Mailing Address:

University of South Florida  
Department of Computer Science and Engineering  
Computer Engineering Program  
4202 E. Fowler Avenue, ENB118  
Tampa, FL 33620

#### PROGRAM INFORMATION

The department offers opportunities for study and research in all areas fundamental to Computer Science and Engineering. In addition to the vast array of college-wide computer facilities, the Department has a 100Mbit local area network consisting of PC's and Sun SPARC workstations, and multiple printers. The network provides connectivity to Internet 2. The department's facilities also include a microprocessor laboratory, a hardware/architecture laboratory, and PC-compatible laboratory for instructional use.

There are specialized laboratories for research in Artificial Intelligence, Computer Graphics, Computer Networks, Robotics, Software Testing, and VLSI design and CAD. These laboratories provide access to special purpose hardware and software including high-performance servers, graphics workstations, parallel machines, multiple robotics platforms, and specialized software packages. Engineering Computing operates large open access PC labs and SUN Servers for the College of Engineering. Some graduate courses offered by the department are available to practicing engineers through the FEEDS (Florida Engineering Education Delivery System) program.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### Major Research Areas:

An excellent selection of courses and laboratories support graduate studies in artificial intelligence, coding theory, computer architecture, computer graphics, computer networks, computer vision, expert systems, fault-tolerant computing, human-computer interface, image processing, robotics, software engineering, formal verification, and VLSI design and CAD.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

1. GRE (must make at least 500 verbal)
2. Minimum grade point average (GPA) of 3.3 out of 4.0 for all coursework completed during the last two years of undergraduate study and thereafter.
3. Minimum TOEFL score for international students is 550 (paper-based total) or 213 (computer-based total)
4. Teaching assistant applicants whose native language is not English must take and pass the TSE (Test of Spoken English)
5. Three letters of recommendation
6. Statement of purpose
7. For teaching assistantship consideration, applicants from non-English speaking countries must take and pass the Test of Spoken English (TSE).



**DEGREE PROGRAM REQUIREMENTS**

90 credit hours beyond the baccalaureate (including at least 20 dissertation hours). The 90 hours must include at least 8 credit hours each in two minor fields: a math minor and an elective minor. Up to 15 credit hours of thesis/independent study/directed research can be used towards the 90 credit hours. In addition, the Ph.D. student must teach at least one course, pass the Doctoral Qualifying examinations (in Computer Architecture, Operating Systems, and Math/Algorithms, and the student's Specialty Area), be admitted to Candidacy, and successfully write and defend the dissertation.

**COURSES** - See <http://www.ugs.usf.edu/sab/sabs.cfm>

## ELECTRICAL ENGINEERING PROGRAM

### Master of Engineering (M.E.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	No admit

<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.1001
<b>Dept Code:</b>	EGE
<b>Program (Major/College):</b>	EEL EN

##### Concentrations available in:

- Circuits, Controls and Systems (CCS)
- Communications and Signal Processing (CSG)
- Digital Architecture and Design (DAD)
- Electric Power Systems (EPS)
- Microelectronics (MLS)
- Wireless Circuits and Systems (WCS)

##### Also offered as:

Dual M.S. Degree in Physics/Engineering; Joint degree with the Industrial Engineering (this permits simultaneous specialization in an Electrical Engineering discipline with an MSEM minor.)

#### PROGRAM INFORMATION

The Department of Electrical Engineering of the University of South Florida offers degrees at the Doctoral and Master's level. The major areas of instruction in the department are as listed above. Occasionally projects in other areas such as modal analysis, computations, optimization, thermal management, or medical imaging are conducted.

The Department's research efforts are supported by well-equipped laboratories in the areas of silicon processing, compound semiconductors, electro-optics, IC design, thin dielectric films, restructurable VLSL communications and signal processing, power and micro/millimeter waves. Extensive computing facilities are also housed in Engineering Building II.

Current and previous Ph.D. dissertations explore the areas of microelectronics (materials and devices of elemental and compound semiconductors, circuit design, modeling, testing, and reliability); communications and signal processing (communication networks, packet switching, digital video and HDTV, ISDN, optical fiber communication, satellite communications, comm.-software, comm.-terminals, microprocessors and VLSI for signal processing); systems and controls; solid state material and device processing and characterization; electro-optics; electromagnetics, microwave and

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Electrical Engineering
<b>Program Director:</b>	Kenneth Buckle
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-2369
<b>Fax:</b>	n/a
<b>Email:</b>	<a href="mailto:eegrad@eng.usf.edu">eegrad@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://ee.eng.usf.edu/elecgrad.html">http://ee.eng.usf.edu/elecgrad.html</a>

##### Mailing Address:

University of South Florida  
Electrical Engineering  
Electrical Engineering Program  
4202 E. Fowler Avenue, ENB118  
Tampa, FL 33620

millimeter-wave engineering (antennas, devices, systems); CAD and microprocessors; and biomedical engineering. Master's programs include options in the five major areas listed above. Other programs may be tailored for students with special interests. No course work without a thesis are possible. The M.E. Degree is an option for students whose B.S. Degree is in an engineering discipline other than Electrical Engineering.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of Colleges and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

1. Minimum GPA of 3.0
2. GRE
3. Educational experience required
4. TOEFL score of 550 (213 on computerized test)

#### DEGREE PROGRAM REQUIREMENTS

Please contact Electrical Engineering for information

**COURSES** - See <http://www.ugs.usf.edu/sab/sabs.cfm>

## ELECTRICAL ENGINEERING PROGRAM

### Master of Electrical Engineering (M.E.E.) Degree

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
Not accepting applications

**Minimum Total Hours:** 33  
**Program Level:** Masters  
**Program Status:** Inactive

**CIP Code:** 14.1001  
**Dept Code:** EGE  
**Program (Major/College):** EEL EN

#### Concentrations available in:

Circuits, Controls and Systems (CCS)  
Communications and Signal Processing  
(CSG)  
Digital Architecture and Design (DAD)  
Electric Power Systems (EPS)  
Microelectronics (MLS)  
Wireless Circuits and Systems (WCS)

#### Also offered as:

Dual M.S. Degree in Physics/Engineering; Joint degree with the Industrial Engineering (this permits simultaneous specialization in an Electrical Engineering discipline with an MSEM minor.)

#### CONTACT INFORMATION

**College:** Engineering  
**Department:** Electrical Engineering  
**Program Director:** Kenneth Buckle  
**Other Contact:** n/a  
**Phone:** 813-974-2369  
**Fax:** n/a  
**Email:** [eegrad@eng.usf.edu](mailto:eegrad@eng.usf.edu)  
**Web Address:**  
<http://ee.eng.usf.edu/elecgrad.html>

#### Mailing Address:

University of South Florida  
Electrical Engineering  
Electrical Engineering Program  
4202 E. Fowler Avenue, ENB118  
Tampa, FL 33620

**Inactive. Currently not accepting applications.**

#### PROGRAM INFORMATION

The Department of Electrical Engineering of the University of South Florida offers degrees at the Doctoral and Master's level. The major areas of instruction in the department are as listed above. Occasionally projects in other areas such as modal analysis, computations, optimization, thermal management, or medical imaging are conducted.

The Department's research efforts are supported by well-equipped laboratories in the areas of silicon processing, compound semiconductors, electro-optics, IC design, noise and reliability, thin dielectric films, restructurable VLSI, communications and signal processing, and micro/millimeter waves. Extensive computing facilities are also housed in Engineering Building II.

Current and previous Ph.D. dissertations explore the areas of microelectronics (materials and devices of elemental and compound semiconductors, circuit design, modeling, testing, and reliability); communications and signal processing (communication networks, packet switching, digital video and HDTV, ISDN, optical fiber communication, satellite communications, comm-software, comm-terminals, microprocessors and VLSI for

signal processing); systems and controls; solid state material and device processing and characterization; electro-optics; electromagnetics, microwave and millimeter-wave engineering (antennas, devices, systems); CAD and microprocessors; and biomedical engineering. Master's programs include options in the five major areas listed above. Other programs may be tailored for students with special interests. Non-thesis master's studies, comprising 33 credit hours of course work without a thesis are possible.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

1. Minimum GPA of 3.0
2. TOEFL score of 550 (213 on computerized test)

#### DEGREE PROGRAM REQUIREMENTS

Please contact Electrical Engineering for information

**COURSES** -See <http://www.ugs.usf.edu/sab/sabs.cfm>

## ELECTRICAL ENGINEERING PROGRAM

### Master of Science in Electrical Engineering (M.S.E.E.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.1001
<b>Dept Code:</b>	EGE
<b>Program (Major/College):</b>	EEL EN

##### Concentrations available in:

- Circuits, Controls and Systems (CCS)
- Communications and Signal Processing (CSG)
- Digital Architecture and Design (DAD)
- Electric Power Systems (EPS)
- Microelectronics (MLS)
- Wireless Circuits and Systems (WCS)

##### Also offered as:

Dual M.S. Degree in Physics/Engineering; Joint degree with the Industrial Engineering (this permits simultaneous specialization in an Electrical Engineering discipline with an MSEM minor.)

#### PROGRAM INFORMATION

The Department of Electrical Engineering of the University of South Florida offers degrees at the Doctoral and Master's level. The major areas of instruction in the department are as listed above. Occasionally projects in other areas such as modal analysis, computations, optimization, thermal management, or medical imaging are conducted.

The Department's research efforts are supported by well-equipped laboratories in the areas of silicon processing, compound semiconductors, electro-optics, IC design, thin dielectric films, restructurable VLSI, communications and signal processing, power and micro/millimeter waves. Extensive computing facilities are also housed in Engineering Building II.

Current and previous Ph.D. dissertations explore the areas of microelectronics (materials and devices of elemental and compound semiconductors, circuit design, modeling, testing, and reliability); communications and signal processing (communication networks, packet switching, digital video and HDTV, ISDN, optical fiber communication, satellite communications, comm-ware, comm-terminals, microprocessors and VLSI for signal processing); systems and controls; solid state material and device processing and characterization; electro-optics; electromagnetics, microwave and

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Electrical Engineering
<b>Program Director:</b>	Kenneth Buckle
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-2369
<b>Fax:</b>	n/a
<b>Email:</b>	<a href="mailto:eegrad@eng.usf.edu">eegrad@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://ee.eng.usf.edu/elecgrad.html">http://ee.eng.usf.edu/elecgrad.html</a>

##### Mailing Address:

University of South Florida  
Electrical Engineering  
Electrical Engineering Program  
4202 E. Fowler Avenue, ENB118  
Tampa, FL 33620

millimeter-wave engineering (antennas, devices, systems); CAD and microprocessors; and biomedical engineering. Master's programs include options in the five major areas listed above. Other programs may be tailored for students with special interests. Non-thesis master's studies, comprising 33 credit hours of course work without a thesis are possible.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of Colleges and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

1. Minimum 3.00 GPA
2. GRE
3. Educational experience required
4. TOEFL score of 550 (213 on computerized test)

#### DEGREE PROGRAM REQUIREMENTS

Please contact Electrical Engineering for information

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## ELECTRICAL ENGINEERING PROGRAM

### Master of Science in Engineering Science (M.S.E.S.) Degree

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.1001
<b>Dept Code:</b>	EGE
<b>Program (Major/College):</b>	EEL EN

**Concentrations available in:**

- Circuits, Controls and Systems (CCS)
- Communications and Signal Processing (CSG)
- Digital Architecture and Design (DAD)
- Electric Power Systems (EPS)
- Microelectronics (MLS)
- Wireless Circuits and Systems (WCS)

**Also offered as:**

Dual M.S. Degree in Physics/Engineering;  
 Joint degree with the Industrial Engineering (this permits simultaneous specialization in an Electrical Engineering discipline with an MSEM minor.)

#### PROGRAM INFORMATION

The Department of Electrical Engineering of the University of South Florida offers degrees at the Doctoral and Master's level. The major areas of instruction in the department are as listed above. Occasionally projects in other areas such as modal analysis, computations, optimization, thermal management, or medical imaging are conducted.

The Department's research efforts are supported by well-equipped laboratories in the areas of silicon processing, compound semiconductors, electro-optics, IC design, thin dielectric films, restructurable VLSI, communications and signal processing, power and micro/millimeter waves. Extensive computing facilities are also housed in Engineering Building II.

Current and previous Ph.D. dissertations explore the areas of microelectronics (materials and devices of elemental and compound semiconductors, circuit design, modeling, testing, and reliability); communications and signal processing (communication networks, packet switching, digital video and HDTV, ISDN, optical fiber communication, satellite communications, comm-software, comm-terminals, microprocessors and VLSI for signal processing); systems and controls; solid state material and device processing and characterization;

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Electrical Engineering
<b>Program Director:</b>	Kenneth Buckle
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-2369
<b>Fax:</b>	n/a
<b>Email:</b>	<a href="mailto:eegrad@eng.usf.edu">eegrad@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://ee.eng.usf.edu/elecgrad.html">http://ee.eng.usf.edu/elecgrad.html</a>

**Mailing Address:**

University of South Florida  
 Electrical Engineering  
 Electrical Engineering Program  
 4202 E. Fowler Avenue, ENB118  
 Tampa, FL 33620

electro-optics; electromagnetics, microwave and millimeter-wave engineering (antennas, devices, systems); CAD and microprocessors; and biomedical engineering. Master's programs include options in the five major areas listed above. Other programs may be tailored for students with special interests. Non-thesis master's studies, comprising 33 credit hours of course work without a thesis are possible. The M.S.E.S. Degree is an option for students whose B.S. Degree is in a discipline other than engineering.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of Colleges and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

1. Minimum 3.0 GPA
2. GRE
3. Educational experience
4. TOEFL score of 550 (213 on computerized test).

#### DEGREE PROGRAM REQUIREMENTS

Please contact Electrical Engineering for information

**COURSES** -See <http://www.ugs.usf.edu/sab/sabs.cfm>

## ELECTRICAL ENGINEERING PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	90/60
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.1001
<b>Dept Code:</b>	EGE
<b>Program (Major/College):</b>	EEL EN

##### Concentrations available in:

- Circuits, Controls and Systems (CCS)
- Communications and Signal Processing (CGS)
- Digital Architecture and Design (DAD)
- Electric Power Systems (EPS)
- Microelectronics (MLS)
- Wireless Circuits and Systems (WCS)

Contact Electrical Engineering for a current list of active Concentrations.

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Electrical Engineering
<b>Program Director:</b>	Kenneth Buckle
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-2369
<b>Fax:</b>	n/a
<b>Email:</b>	<a href="mailto:eegrad@eng.usf.edu">eegrad@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://ee.eng.usf.edu/elecgrad.html">http://ee.eng.usf.edu/elecgrad.html</a>

##### Mailing Address:

University of South Florida  
 Electrical Engineering  
 Electrical Engineering Program  
 4202 E. Fowler Avenue, ENB118  
 Tampa, FL 33620

#### PROGRAM INFORMATION

The Department of Electrical Engineering of the University of South Florida offers degrees at the Doctoral and Master's level. The Department's research efforts are supported by well-equipped laboratories in the areas of silicon processing, compound semiconductors, electro-optics, IC design, thin dielectric films, restructurable VLSI, communications and signal processing, power and micro/millimeter waves. Extensive computing facilities are also housed in Engineering Building II.

Current and previous Ph.D. dissertations explore the areas of microelectronics (materials and devices of elemental and compound semiconductors, circuit design, modeling, testing, and reliability); communications and signal processing (communication networks, packet switching, digital video and HDTV, ISDN, optical fiber communication, satellite communications, comm-software, comm-terminals, microprocessors and VLSI for signal processing); systems and controls; solid state material and device processing and characterization; electro-optics; electromagnetics, microwave and millimeter-wave engineering (antennas, devices, systems); CAD and microprocessors; and biomedical engineering.

**Accreditation:** Accredited by the Commission on Colleges of the Southern Association of Colleges and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

1. Minimum 3.0 GPA
2. GRE
3. Educational experience
4. TOEFL score of 550 (213 on computerized test).
5. Three (3) Letters of Reference
6. Statement of Purpose

#### DEGREE PROGRAM REQUIREMENTS

Please contact Electrical Engineering for information

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

**ENGINEERING (POST-BACCALAUREATE)****Master of Science in Engineering (M.S.E.) Degree****DEGREE INFORMATION****Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.0101
<b>Dept Code:</b>	DEA
<b>Program (Major/College):</b>	EGP EN

Concentrations available in each department.

**CONTACT INFORMATION**

<b>College:</b>	Engineering
<b>Department:</b>	
<b>Program Director:</b>	Rafael Perez
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-3782
<b>Fax:</b>	813-974-5094
<b>Email:</b>	<a href="mailto:csmith@eng.usf.edu">csmith@eng.usf.edu</a> <a href="mailto:perez@eng.usf.edu">perez@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://www2.eng.usf.edu/">http://www2.eng.usf.edu/</a>

**Mailing Address:**

University of South Florida  
Engineering (Post-Baccalaureate)  
Engineering Program  
4202 E. Fowler Avenue, ENB118  
Tampa, FL 33620

**PROGRAM INFORMATION**

This degree is normally awarded to a student who has an undergraduate degree in engineering or who has completed a prescribed series of undergraduate engineering courses, and completes an all coursework program.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

Same as general University Requirement.

**DEGREE PROGRAM REQUIREMENTS**

Each department in the College is authorized to offer this degree. Please check with the individual department for requirements.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## ENGINEERING MANAGEMENT PROGRAM

### Master of Science in Engineering Management (M.S.E.M.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.3502
<b>Dept Code:</b>	EGS
<b>Program (Major/College):</b>	EMA EN

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	
<b>Program Director:</b>	Dolores Gooding
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-2269
<b>Fax:</b>	813-974-5953
<b>Email:</b>	<a href="mailto:ghanshaw@eng.usf.edu">ghanshaw@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.imse.eng.usf.edu">http://www.imse.eng.usf.edu</a>

##### Mailing Address:

University of South Florida  
Industrial and Management Systems  
Engineering  
Engineering Management Program  
4202 E. Fowler Avenue, ENB118  
Tampa, FL 33620

#### PROGRAM INFORMATION

This program is designed to prepare engineers from various disciplines to make the transition to technical management. Courses in the program involve concepts in engineering management, resource management, strategic planning, and productivity. They combine qualitative approaches with quantitative techniques. Courses are available on campus or the internet via the FEEDS system.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

1. BS in Engineering or equivalent.
2. Minimum 3.0 GPA upper level
3. GRE 400V, 600Q
4. Letter of recommendation.
5. Resume
6. TOEFL score of 550 or higher (213 or higher on computerized test)
7. Two years professional experience or internship

#### DEGREE PROGRAM REQUIREMENTS

A minimum of 33 credits of approved coursework beyond the bachelor level is required, 18 credits of core work and 15 credits of electives. A thesis option is available to M.S.E.M. students who are interested in applied research. Up to 6 hours of advanced courses in the student's area of specialty may be taken as electives.

##### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>



## ENGINEERING MANAGEMENT PROGRAM

### Master of Science in Engineering Science (M.S.E.S.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.3502
<b>Dept Code:</b>	EGS
<b>Program (Major/College):</b>	EMA EN

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Industrial and Management Systems Engineering
<b>Program Director:</b>	Dolores Gooding
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-2269
<b>Fax:</b>	813-974-5953
<b>Email:</b>	<a href="mailto:ghanshaw@eng.usf.edu">ghanshaw@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://www2.eng.usf.edu/">http://www2.eng.usf.edu/</a>

##### Mailing Address:

University of South Florida  
Industrial and Management Systems  
Engineering  
Engineering Management Program  
4202 E. Fowler Avenue, ENB118  
Tampa, FL 33620

#### PROGRAM INFORMATION

This program is designed to prepare engineers from various disciplines to make the transition to technical management. Courses in the program involve concepts in engineering management, resource management, strategic planning, and productivity. They combine qualitative approaches with quantitative techniques. Courses are available on campus or the internet via the FEEDS system.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

1. BS in Engineering or equivalent.
2. Minimum 3.0 GPA upper level
3. GRE 400V, 600Q
4. Letter of recommendation.
5. Resume
6. TOEFL score of 550 or higher (213 or higher on computerized test)
7. Two years professional experience or internship

#### DEGREE PROGRAM REQUIREMENTS

A minimum of 33 credits of approved coursework beyond the bachelor level is required, 18 credits of core work and 15 credits of electives. A thesis option is available to M.S.E.M. students who are interested in applied research. Up to 6 hours of advanced courses in the student's area of specialty may be taken as electives.

##### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## ENGINEERING SCIENCE (5-YEAR) PROGRAM

### Master of Science in Engineering Science (M.S.E.S) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.0101
<b>Dept Code:</b>	ESB
<b>Program (Major/College):</b>	EGC EN

<b>Also offered as:</b>	5 year M.S.E.S. program - available in each department
-------------------------	--

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	
<b>Program Director:</b>	Rafael Perez
<b>Other Contact:</b>	
<b>Phone:</b>	813-974-3782
<b>Fax:</b>	813-974-5094
<b>Email:</b>	<a href="mailto:csmith@eng.usf.edu">csmith@eng.usf.edu</a> <a href="mailto:perez@eng.usf.edu">perez@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://www2.eng.usf.edu/">http://www2.eng.usf.edu/</a>

##### Mailing Address:

University of South Florida  
Engineering Science  
Engineering Science Program  
4202 E. Fowler Avenue, ENB118  
Tampa, FL 33620

#### PROGRAM INFORMATION

This program is designed to meet the needs of students who wish to pursue studies in interdisciplinary engineering areas. A strong foundation in rigorous scientific and engineering principles and practice is expected. It is normally awarded for completion of a thesis program.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

Check the admission requirements of the host department; student's interest of study.

#### DEGREE PROGRAM REQUIREMENTS

Each department in the College is authorized to offer the Master of Science in Engineering Science and the Master of Science in Engineering. These degrees are individually tailored to student needs. Please check with the individual department for requirements.

##### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

**ENGINEERING SCIENCE PROGRAM****Doctor of Philosophy (Ph.D.) Degree****DEGREE INFORMATION****Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	90
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.0101
<b>Dept Code:</b>	DEA
<b>Program (Major/College):</b>	EGC EN

**Concentrations available in:**

Physics (ENP)

**Also offered as:**

Five (5) year M.S.E.S. program -available in each department

**CONTACT INFORMATION**

<b>College:</b>	Engineering
<b>Department:</b>	
<b>Program Director:</b>	Rafael Perez
<b>Other Contact:</b>	
<b>Phone:</b>	813-974-3782
<b>Fax:</b>	813-974-5094
<b>Email:</b>	<a href="mailto:csmith@eng.usf.edu">csmith@eng.usf.edu</a> <a href="mailto:perez@eng.usf.edu">perez@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://www2.eng.usf.edu/">http://www2.eng.usf.edu/</a>

**Mailing Address:**

University of South Florida  
Engineering Science  
Engineering Science Program  
4202 E. Fowler Avenue, ENB118  
Tampa, FL 33620

**PROGRAM INFORMATION**

This program is designed to meet the needs of students who wish to pursue studies in interdisciplinary engineering areas. A strong foundation in rigorous scientific and engineering principles and practice is expected. It is normally awarded for completion of a thesis program.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

Check the admission requirements of the host department; student's min interest of study.

**DEGREE PROGRAM REQUIREMENTS**

Each department in the College is authorized to offer the Master of Science in Engineering Science and the Master of Science in Engineering. These degrees are individually tailored to student needs. Please check with the individual department for requirements.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## ENGINEERING SCIENCE / PHYSICS PROGRAM

### Dual Degree (Joint degree) Program

### Master of Science (M.S.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.0101
<b>Dept Code:</b>	ESB
<b>Program (Major/College):</b>	EGC EN

##### Also offered as:

Interdisciplinary - Ph.D. in Engineering  
Science

#### CONTACT INFORMATION

<b>Colleges:</b>	Engineering and Arts and Sciences
<b>Departments:</b>	Engineering / Physics
<b>Program Director:</b>	Prithish Mukherjee
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-2871
<b>Fax:</b>	813-974-5813
<b>Email:</b>	<a href="mailto:prithish@chuma.cas.usf.edu">prithish@chuma.cas.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cas.usf.edu/physics/">http://www.cas.usf.edu/physics/</a>

##### Mailing Address:

University of South Florida  
Interdisciplinary (Physics and Engineering)  
Dual Degree (Joint degree) Program  
4202 E. Fowler Avenue, PHY114 and ENB118  
Tampa, FL 33620

#### PROGRAM INFORMATION

Contact the program for information. Under an interdisciplinary arrangement with the College of Arts and Sciences and the College of Engineering, the physics graduate students may obtain a Ph.D. in Engineering under the dissertation direction of a Physics Director of Graduate Studies

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

See listings for Physics and Engineering Science.

#### DEGREE PROGRAM REQUIREMENTS

Contact the program for information.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## ENGINEERING SCIENCE / PHYSICS PROGRAM

### Dual Degree (Joint degree) Program Doctor of Philosophy (Ph.D.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	90
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.0101
<b>Dept Code:</b>	DEA
<b>Program (Major/College):</b>	EGC EN
<b>Concentration Code:</b>	ENP

#### CONTACT INFORMATION

<b>Colleges:</b>	Engineering and Arts and Sciences
<b>Department:</b>	Engineering / Physics
<b>Program Director:</b>	Pritish Mukherjee
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-2871
<b>Fax:</b>	813-974-5813
<b>Email:</b>	<a href="mailto:pritch@chuma.cas.usf.edu">pritch@chuma.cas.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.cas.usf.edu/physics/">http://www.cas.usf.edu/physics/</a>

**Mailing Address:**

University of South Florida  
Interdisciplinary (Physics and Engineering)  
Dual Degree (Joint degree) Program  
4202 E. Fowler Avenue, PHY114 and ENB118  
Tampa, FL 33620

---

#### PROGRAM INFORMATION

Contact the program for information. Under an interdisciplinary arrangement with the College of Arts and Sciences and the College of Engineering, the physics graduate students may obtain a Ph.D. in Engineering under the dissertation direction of a Physics Director of Graduate Studies

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

See listings for Physics and Engineering Science.

---

#### DEGREE PROGRAM REQUIREMENTS

Contact the program for information.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## ENVIRONMENTAL ENGINEERING PROGRAM

### Master of Engineering (M.E.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.1401
<b>Dept Code:</b>	EGX
<b>Program (Major/College):</b>	EVE EN

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Civil and Environmental Engineering
<b>Program Director:</b>	Ram M. Pendyala
<b>Other Contact:</b>	
<b>Phone:</b>	813-974-2275
<b>Fax:</b>	813-974-2957
<b>Email:</b>	<a href="mailto:pendyala@eng.usf.edu">pendyala@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://ce.eng.usf.edu/">http://ce.eng.usf.edu/</a>

##### Mailing Address:

University of South Florida  
Civil and Environmental Engineering  
Environmental Engineering Program  
4202 E. Fowler Avenue, ENB118  
Tampa, FL 33620

#### PROGRAM INFORMATION

The M.E. degree provides a student with the opportunity to earn the advanced degree by coursework only. Students in Environmental Engineering may receive either the M.E.V.E. degree or one of the other Master of Engineering degrees. Environmental Engineering students who do not opt to receive the M.E.V.E. degree will receive the MCE degree if they have an undergraduate degree in Civil Engineering or the ME degree if they do not. Many of the department's graduate courses are offered on weekday evenings, which permits part-time and FEEDS (Florida Engineering Education Delivery System) students the opportunity to seek a graduate degree.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### Major Research Areas:

The field of Civil Engineering has long been known for its breadth and ability to adapt to the new technological needs of society. The traditional areas of public works, such as highways, bridges, water supply, building design, and wastewater treatment, remain very important. In addition, the modern area of managing the environment has been included in the Civil Engineering domain. Graduates of the programs are prepared for careers with public agencies or private industry and firms involved in planning, design, research and development, or regulation. College computer facilities are available to all departmental students. In addition, the department has a

variety of microcomputers available for student use. The department also has a high bay structures laboratory, which includes an MTS 250 kip-testing machine. There are also well-equipped environmental, soils, pavement and hydraulics laboratories. These laboratories include equipment such as an ion chromatograph, atomic absorption unit, environmental chamber, constant rate of stress consolidometer, triaxial units and superpave testing equipment.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

1. Overall GPA 2.75; GPA in major 3.00
2. GRE (minimum of 3.0 AW)
3. TOEFL (interantional applicants only) 550 or 213 (CBT).
4. Exceptions made on a case-by-case basis where warranted.

#### DEGREE PROGRAM REQUIREMENTS

The minimum coursework requirement for the Master of Engineering degrees is 33 credit hours.

#### COURSES:

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## ENVIRONMENTAL ENGINEERING PROGRAM

### Master of Environmental Engineering (M.E.V.E.) Degree

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	
<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1
<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active
<b>CIP Code:</b>	14.1401
<b>Dept Code:</b>	EGX
<b>Program (Major/College):</b>	EVE EN

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Civil and Environmental Engineering
<b>Program Director:</b>	Ram M. Pendyala
<b>Other Contact:</b>	
<b>Phone:</b>	813-974-2275
<b>Fax:</b>	813-974-2957
<b>Email:</b>	<a href="mailto:pendyala@eng.usf.edu">pendyala@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://ce.eng.usf.edu/">http://ce.eng.usf.edu/</a>

#### Mailing Address:

University of South Florida  
Civil and Environmental Engineering  
Environmental Engineering Program  
4202 E. Fowler Avenue, ENB118  
Tampa, FL 33620

#### PROGRAM INFORMATION

The M.E. degree provides a student with the opportunity to earn the advanced degree by coursework only. Students in Environmental Engineering may receive either the M.E.V.E. degree or one of the other Master of Engineering degrees. Environmental Engineering students who do not opt to receive the M.E.V.E. degree will receive the MCE degree if they have an undergraduate degree in Civil Engineering or the ME degree if they do not. Many of the department's graduate courses are offered on weekday evenings, which permits part-time and FEEDS (Florida Engineering Education Delivery System) students the opportunity to seek a graduate degree.

#### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### Major Research Areas:

The field of Civil Engineering has long been known for its breadth and ability to adapt to the new technological needs of society. The traditional areas of public works, such as highways, bridges, water supply, building design, and wastewater treatment, remain very important. In addition, the modern area of managing the environment has been included in the Civil Engineering domain. Graduates of the programs are prepared for careers with public agencies or private industry and firms involved in planning, design, research and development, or regulation. College computer facilities are available to all departmental students. In addition, the department has a

variety of microcomputers available for student use. The department also has a high bay structures laboratory, which includes an MTS 250 kip-testing machine. There are also well-equipped environmental, soils, pavement and hydraulics laboratories. These laboratories include equipment such as an ion chromatograph, atomic absorption unit, environmental chamber, constant rate of stress consolidometer, triaxial units and superpave testing equipment.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

#### Program Admission Requirements

1. Overall GPA 2.75; GPA in major 3.00
2. GRE (3.0 AW)
3. TOEFL (interantional applicants only) 550 or 213 (CBT).
4. Exceptions made on a case-by-case basis where warranted.

#### DEGREE PROGRAM REQUIREMENTS:

The minimum coursework requirement for the Master of Engineering degrees is 30 credit hours.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## ENVIRONMENTAL ENGINEERING PROGRAM

### Master of Science in Engineering Science (M.S.E.S.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.1401
<b>Dept Code:</b>	EGX
<b>Program (Major/College):</b>	EVE EN

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Civil and Environmental Engineering
<b>Program Director:</b>	Ram M. Pendyala
<b>Other Contact:</b>	
<b>Phone:</b>	813-974-2275
<b>Fax:</b>	813-974-2957
<b>Email:</b>	<a href="mailto:pendyala@eng.usf.edu">pendyala@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://ce.eng.usf.edu/">http://ce.eng.usf.edu/</a>

##### Mailing Address:

University of South Florida  
Civil and Environmental Engineering  
Environmental Engineering Program  
4202 E. Fowler Avenue, ENB118  
Tampa, FL 33620

#### PROGRAM INFORMATION

The M.E. degree provides a student with the opportunity to earn the advanced degree by coursework only. Students in Environmental Engineering may receive either the M.E.V.E. degree or one of the other Master of Engineering degrees. Environmental Engineering students who do not opt to receive the M.E.V.E. degree will receive the MCE degree if they have an undergraduate degree in Civil Engineering or the ME degree if they do not. Many of the department's graduate courses are offered on weekday evenings, which permits part-time and FEEDS (Florida Engineering Education Delivery System) students the opportunity to seek a graduate degree.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### Major Research Areas:

The field of Civil Engineering has long been known for its breadth and ability to adapt to the new technological needs of society. The traditional areas of public works, such as highways, bridges, water supply, building design, and wastewater treatment, remain very important. In addition, the modern area of managing the environment has been included in the Civil Engineering domain. Graduates of the programs are prepared for careers with public agencies or private industry and firms involved in planning, design, research and development, or regulation. College computer facilities are available to all departmental students. In addition, the department has a

variety of microcomputers available for student use. The department also has a high bay structures laboratory, which includes an MTS 250 kip-testing machine. There are also well-equipped environmental, soils, pavement and hydraulics laboratories. These laboratories include equipment such as an ion chromatograph, atomic absorption unit, environmental chamber, constant rate of stress consolidometer, triaxial units and superpave testing equipment.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

1. Overall GPA 2.75; GPA in major 3.00
2. GRE (3.0 AW)
3. TOEFL (interantional applicants only) 550 or 213 (CBT).
4. Exceptions made on a case-by-case basis where warranted.

#### DEGREE PROGRAM REQUIREMENTS:

The programs consist of a minimum of 24 credit hours of coursework and 6 credit hours of thesis.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>



## ENVIRONMENTAL ENGINEERING PROGRAM

### Master of Science in Environmental Engineering (M.S.E.V.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.1401
<b>Dept Code:</b>	EGX
<b>Program (Major/College):</b>	EVE EN

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Civil and Environmental Engineering
<b>Program Director:</b>	Ram M. Pendyala
<b>Other Contact:</b>	
<b>Phone:</b>	813-974-2275
<b>Fax:</b>	813-974-2957
<b>Email:</b>	<a href="mailto:pendyala@eng.usf.edu">pendyala@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://ce.eng.usf.edu/">http://ce.eng.usf.edu/</a>

##### Mailing Address:

University of South Florida  
Civil and Environmental Engineering  
Environmental Engineering Program  
4202 E. Fowler Avenue, ENB118  
Tampa, FL 33620

#### PROGRAM INFORMATION

The M.E. degree provides a student with the opportunity to earn the advanced degree by coursework only. Students in Environmental Engineering may receive either the M.E.V.E. degree or one of the other Master of Engineering degrees. Environmental Engineering students who do not opt to receive the M.E.V.E. degree will receive the MCE degree if they have an undergraduate degree in Civil Engineering or the ME degree if they do not. Many of the department's graduate courses are offered on weekday evenings, which permits part-time and FEEDS (Florida Engineering Education Delivery System) students the opportunity to seek a graduate degree.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### Major Research Areas:

The field of Civil Engineering has long been known for its breadth and ability to adapt to the new technological needs of society. The traditional areas of public works, such as highways, bridges, water supply, building design, and wastewater treatment, remain very important. In addition, the modern area of managing the environment has been included in the Civil Engineering domain. Graduates of the programs are prepared for careers with public agencies or private industry and firms involved in planning, design, research and development, or regulation. College computer facilities are available to all departmental students. In addition, the department has a

variety of microcomputers available for student use. The department also has a high bay structures laboratory, which includes an MTS 250 kip-testing machine. There are also well-equipped environmental, soils, pavement and hydraulics laboratories. These laboratories include equipment such as an ion chromatograph, atomic absorption unit, environmental chamber, constant rate of stress consolidometer, triaxial units and superpave testing equipment.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

1. Overall GPA 2.75; GPA in major 3.00
2. GRE (3.0AW)
3. TOEFL (interantional applicants only) 550 or 213 (CBT).
4. Exceptions made on a case-by-case basis where warranted.

#### DEGREE PROGRAM REQUIREMENTS:

The programs consist of a minimum of 24 credit hours of coursework and 6 credit hours of thesis.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## INDUSTRIAL ENGINEERING PROGRAM

### Master of Engineering (M.E.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.3501
<b>Dept Code:</b>	EGS
<b>Program (Major/College):</b>	EIE EN

##### Concentrations available in:

- Engineering Management (IMA)
- Quantitative Analysis (QAS)

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Industrial and Management Systems Engineering
<b>Program Director:</b>	Michael Weng
<b>Other Contact:</b>	
<b>Phone:</b>	813-974-2269
<b>Fax:</b>	813-974-5953
<b>Email:</b>	<a href="mailto:imse@eng.usf.edu">imse@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://imse.eng.usf.edu">http://imse.eng.usf.edu</a>

##### Mailing Address:

University of South Florida  
Industrial and Management Systems  
Engineering  
Industrial Engineering Program  
4202 E. Fowler Avenue, ENB118  
Tampa, FL 33620

#### PROGRAM INFORMATION

The department participates in the college's M.S.E., M.E. and M.S.E.S. programs. The department offers advanced degrees in areas of study pertinent to the design, evaluation, and operation of a variety of industrial systems, ranging from the analysis of public systems, to the service industry, to the operation of manufacturing concerns. Course topics and research opportunities include production planning, production control, facilities design, applied engineering statistics, quality control and reliability, operations research, engineering economic analysis, human factors engineering, productivity analysis, manufacturing systems, robotics, automation, and computer applications.

The department has advanced laboratory facilities that support class projects and research in microcomputer applications, computer-aided design and manufacturing, flexible automation, quality control, and applications in robotics.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

1. An undergraduate degree in Industrial engineering with a 3.0/4.0 GPA; non engineering degrees will be required to take supplemental undergraduate courses
2. GRE
3. TOEFL for international students 213 (550 paper version)
4. Three letters of reference

#### DEGREE PROGRAM REQUIREMENTS

Contact the department for information. 33 approved credit hours, plus comprehensive exam.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## INDUSTRIAL ENGINEERING PROGRAM

### Master of Industrial Engineering (M.I.E.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.3501
<b>Dept Code:</b>	EGS
<b>Program (Major/College):</b>	EIE EN

##### Concentrations available in:

- Engineering Management (IMA)
- Quantitative Analysis (QAS)

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Industrial and Management Systems Engineering
<b>Program Director:</b>	Michael Weng
<b>Other Contact:</b>	
<b>Phone:</b>	813-974-2269
<b>Fax:</b>	813-974-5953
<b>Email:</b>	<a href="mailto:imse@eng.usf.edu">imse@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://imse.eng.usf.edu">http://imse.eng.usf.edu</a>

##### Mailing Address:

University of South Florida  
Industrial and Management Systems  
Engineering  
Industrial Engineering Program  
4202 E. Fowler Avenue, ENB118  
Tampa, FL 33620

#### PROGRAM INFORMATION

The department participates in the college's M.S.E., M.E. and M.S.E.S. programs. The department offers advanced degrees in areas of study pertinent to the design, evaluation, and operation of a variety of industrial systems, ranging from the analysis of public systems, to the service industry, to the operation of manufacturing concerns. Course topics and research opportunities include production planning, production control, facilities design, applied engineering statistics, quality control and reliability, operations research, engineering economic analysis, human factors engineering, productivity analysis, manufacturing systems, robotics, automation, and computer applications.

The department has advanced laboratory facilities that support class projects and research in microcomputer applications, computer-aided design and manufacturing, flexible automation, quality control, and applications in robotics.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

1. An undergraduate degree in industrial engineering with a 3.0/4.0 GPA; non engineering degrees will be required to take supplemental undergraduate courses
2. GRE
3. TOEFL for international students 213 (550 paper version)
4. Three letters of reference

#### DEGREE PROGRAM REQUIREMENTS

Contact the department for information. Total of 33 approved credit hours plus comprehensive exam.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## INDUSTRIAL ENGINEERING PROGRAM

### Master of Science in Engineering Science (M.S.E.S.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.1401
<b>Dept Code:</b>	EGS
<b>Program (Major/College):</b>	EIE EN

##### Concentrations available in:

- Engineering Management (IMA)
- Quantitative Analysis (QAS)

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Industrial and Management Systems Engineering
<b>Program Director:</b>	Michael Weng
<b>Other Contact:</b>	
<b>Phone:</b>	813-974-2269
<b>Fax:</b>	813-974-5953
<b>Email:</b>	<a href="mailto:imse@eng.usf.edu">imse@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://imse.eng.usf.edu">http://imse.eng.usf.edu</a>

##### Mailing Address:

University of South Florida  
Industrial and Management Systems  
Engineering  
Industrial Engineering Program  
4202 E. Fowler Avenue, ENB118  
Tampa, FL 33620

#### PROGRAM INFORMATION

The department participates in the college's M.S.E., M.E. and M.S.E.S. programs. The department offers advanced degrees in areas of study pertinent to the design, evaluation, and operation of a variety of industrial systems, ranging from the analysis of public systems, to the service industry, to the operation of manufacturing concerns. Course topics and research opportunities include production planning, production control, facilities design, applied engineering statistics, quality control and reliability, operations research, engineering economic analysis, human factors engineering, productivity analysis, manufacturing systems, robotics, automation, and computer applications.

The department has advanced laboratory facilities that support class projects and research in microcomputer applications, computer-aided design and manufacturing, flexible automation, quality control, and applications in robotics.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

1. An undergraduate degree in industrial engineering with a 3.0/4.0 GPA; non engineering degrees will be required to take supplemental undergraduate courses

2. GRE
3. TOEFL for international students 213 (550 paper version)
4. Three letters of reference

#### DEGREE PROGRAM REQUIREMENTS

##### Master of Science in Engineering -- Manufacturing Systems Option

In addition, the Departments of Chemical Engineering, Computer Science and Engineering, Electrical Engineering, Mechanical Engineering, and Industrial Engineering, offer a Master of Science in Engineering with a Manufacturing option (consisting of 18 hours core and either 18 hours of electives or 6 hours of electives and a thesis). The degree is administered by the Industrial Engineering Department and is a true interdisciplinary degree emphasizing Robotics, Automation, Computer Aided Design, Computer Integrated Manufacturing, Control Systems, Software Systems, Hardware Systems, and Production Systems. The student may choose electives and concentrate in one of the above departments or may choose to acquire an in-depth knowledge in one of the above emphasis areas by making their elective course choices from several departments.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## INDUSTRIAL ENGINEERING PROGRAM

### Master of Science in Industrial Engineering (M.S.I.E.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.1401
<b>Dept Code:</b>	EGX
<b>Program (Major/College):</b>	EVE EN

##### Concentrations available in:

Engineering Management (IMA)  
Quantitative Analysis (QAS)

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Industrial and Management Systems Engineering
<b>Program Director:</b>	Michael Weng
<b>Other Contact:</b>	
<b>Phone:</b>	813-974-2269
<b>Fax:</b>	813-974-5953
<b>Email:</b>	<a href="mailto:imse@eng.usf.edu">imse@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://imse.eng.usf.edu">http://imse.eng.usf.edu</a>

##### Mailing Address:

University of South Florida  
Industrial and Management Systems  
Engineering  
Industrial Engineering Program  
4202 E. Fowler Avenue, ENB118  
Tampa, FL 33620

#### PROGRAM INFORMATION

The department participates in the college's M.S.E., M.E. and M.S.E.S. programs. The department offers advanced degrees in areas of study pertinent to the design, evaluation, and operation of a variety of industrial systems, ranging from the analysis of public systems, to the service industry, to the operation of manufacturing concerns. Course topics and research opportunities include production planning, production control, facilities design, applied engineering statistics, quality control and reliability, operations research, engineering economic analysis, human factors engineering, productivity analysis, manufacturing systems, robotics, automation, and computer applications.

The department has advanced laboratory facilities that support class projects and research in microcomputer applications, computer-aided design and manufacturing, flexible automation, quality control, and applications in robotics.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

1. An undergraduate degree in Industrial Engineering with a 3.0/4.0 GPA; non engineering degrees will be required to take supplemental undergraduate courses
2. GRE
3. TOEFL for international students 213 (550 paper version)
4. Three letters of reference
5. Statement of purpose including evidence of research potential

#### DEGREE PROGRAM REQUIREMENTS

Minimum of 24 credit hours of approved course work and six credit hours of thesis. Contact the department for information.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## INDUSTRIAL ENGINEERING PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	90
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.3501
<b>Dept Code:</b>	EGS
<b>Program (Major/College):</b>	EIE EN

**Concentrations available in:**

- Engineering Management (IMA)
- Manufacturing Systems (MFS)
- Quantitative Analysis (QAS)

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Industrial and Management Systems Engineering
<b>Program Director:</b>	Michael Weng
<b>Other Contact:</b>	
<b>Phone:</b>	813-974-2269
<b>Fax:</b>	813-974-5953
<b>Email:</b>	<a href="mailto:imse@eng.usf.edu">imse@eng.usf.edu</a>
<b>Web Address:</b>	<a href="http://imse.eng.usf.edu">http://imse.eng.usf.edu</a>

**Mailing Address:**

University of South Florida  
Industrial and Management Systems  
Engineering  
Industrial Engineering Program  
4202 E. Fowler Avenue, ENB118  
Tampa, FL 33620

#### PROGRAM INFORMATION

Contact the department for information.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

Although USF only requires Ph.D. Students to complete two consecutive semesters as full-time students, the IMSE Dept. policy is for Ph.D. Students to complete their total doctoral program as full-time Tampa campus students. Other requirements include:

1. GRE
2. TOEFL for international students 213 (550 paper version)
3. Three letters of reference
4. Statement of Purpose including evidence of research potential

#### DEGREE PROGRAM REQUIREMENTS

Minimum of 90 credit hours beyond BS degree. Minimum of 60 credit hours of approved course work and 20 credit hours of research. Contact the department for information.

Also visit <http://imse.eng.usf.edu>

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## MECHANICAL ENGINEERING PROGRAM

### Master of Engineering (M.E.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.1901
<b>Dept Code:</b>	EGR
<b>Program (Major/College):</b>	EME EN

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Mechanical Engineering
<b>Program Director:</b>	Jose Porteiro
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-2280
<b>Fax:</b>	813-974-3539
<b>Email:</b>	n/a
<b>Web Address:</b>	<a href="http://me.eng.usf.edu/">http://me.eng.usf.edu/</a>

##### Mailing Address:

University of South Florida  
 Mechanical Engineering  
 Mechanical Engineering Program  
 4202 E. Fowler Avenue, ENB118  
 Tampa, FL 33620

#### PROGRAM INFORMATION

The Department offers graduate programs leading to the M.S. and Ph.D. in Mechanical Engineering.

Research opportunities are available in the following areas: Mechanism Design, Kinematics, System Dynamics and Vibrations, Mechanical Controls, Tribology, Mechanical Design, Robotics, Rehabilitation Engineering, Composite Materials, Solid Mechanics, Fluid Dynamics, Thermal Energy Systems, Microelectronic Device Thermal Management, Clean and Renewable Energy Systems, Micro and Nano scale materials and systems, MEMS, Biosensors, Biofluids, Biomedical Engineering,, and Engineering Education.

Department facilities include the following laboratories: Computational Fluid Dynamics, Computational Solid Mechanics, Computer-Aided Design, Dynamic Systems, Hydraulics, Rehabilitation Engineering, Robotics, Biofuel cells and Biomimetics, Nanomaterials and Thin Films, Advanced Materials Processing and Characterization, Biofluids and Biosensors, Microelectronic Thermal Management and Heat Transfer, and Compliant Mechanisms.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

All applicants must take the GRE. A minimum score of 600 on the quantitative portion must be obtained or the student must have a grade point average (GPA) of 3.0/4.0 for the last two years of coursework from an ABET accredited engineering program for admission to the Master's Program. International students must score a minimum of 500 on the TOEFL examination.

#### DEGREE PROGRAM REQUIREMENTS

The Department of Mechanical Engineering has available, on request, the Mechanical Engineering Graduate Program Handbook, which delineates the Department's entrance requirements, programs of study, supervisory committee formation, and program completion requirements. The M.M.E is a non-thesis program and the M.S.M.E. is a thesis or design project program.

##### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## MECHANICAL ENGINEERING PROGRAM

### Master of Mechanical Engineering (M.M.E.) Degree

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	33
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.1901
<b>Dept Code:</b>	EGR
<b>Program (Major/College):</b>	EME EN

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Mechanical Engineering
<b>Program Director:</b>	Jose Porteiro
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-2280
<b>Fax:</b>	813-974-3539
<b>Email:</b>	n/a
<b>Web Address:</b>	<a href="http://me.eng.usf.edu/">http://me.eng.usf.edu/</a>

**Mailing Address:**

University of South Florida  
 Mechanical Engineering  
 Mechanical Engineering Program  
 4202 E. Fowler Avenue, ENB118  
 Tampa, FL 33620

#### PROGRAM INFORMATION

The Department offers graduate programs leading to the M.S. and Ph.D. in Mechanical Engineering.

Research opportunities are available in the following areas: Mechanism Design, Kinematics, System Dynamics and Vibrations, Mechanical Controls, Tribology, Mechanical Design, Robotics, Rehabilitation Engineering, Composite Materials, Solid Mechanics, Fluid Dynamics, Thermal Energy Systems, Microelectronic Device Thermal Management, Clean and Renewable Energy Systems, Micro and Nano scale materials and systems, MEMS, Biosensors, Biofluids, Biomedical Engineering,, and Engineering Education.

Department facilities include the following laboratories: Computational Fluid Dynamics, Computational Solid Mechanics, Computer-Aided Design, Dynamic Systems, Hydraulics, Rehabilitation Engineering, Robotics, Biofuel cells and Biomimetics, Nanomaterials and Thin Films, Advanced Materials Processing and Characterization, Biofluids and Biosensors, Microelectronic Thermal Management and Heat Transfer, and Compliant Mechanisms.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

All applicants must take the GRE. A minimum score of 600 on the quantitative must be obtained or the student must have a grade point average (GPA) of 3.0/4.0 for the last two years of coursework from an ABET accredited engineering program for admission to the Master's Program. International students must score a minimum of 500 on the TOEFL examination.

#### DEGREE PROGRAM REQUIREMENTS

The Department of Mechanical Engineering has available, on request, the Mechanical Engineering Graduate Program Handbook, which delineates the Department's entrance requirements, programs of study, supervisory committee formation, and program completion requirements. The M.M.E is a non-thesis program and the M.S.M.E. is a thesis or design project program.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>



## MECHANICAL ENGINEERING PROGRAM

### Master of Science in Engineering Science (M.S.E.S.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.1901
<b>Dept Code:</b>	EGR
<b>Program (Major/College):</b>	EME EN

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Mechanical Engineering
<b>Program Director:</b>	Jose Porteiro
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-2280
<b>Fax:</b>	813-974-3539
<b>Email:</b>	n/a
<b>Web Address:</b>	<a href="http://me.eng.usf.edu/">http://me.eng.usf.edu/</a>

##### Mailing Address:

University of South Florida  
 Mechanical Engineering  
 Mechanical Engineering Program  
 4202 E. Fowler Avenue, ENB118  
 Tampa, FL 33620

#### PROGRAM INFORMATION

The Department offers graduate programs leading to the M.S. and Ph.D. in Mechanical Engineering.

Research opportunities are available in the following areas: Mechanism Design, Kinematics, System Dynamics and Vibrations, Mechanical Controls, Tribology, Mechanical Design, Robotics, Rehabilitation Engineering, Composite Materials, Solid Mechanics, Fluid Dynamics, Thermal Energy Systems, Microelectronic Device Thermal Management, Clean and Renewable Energy Systems, Micro and Nano scale materials and systems, MEMS, Biosensors, Biofluids, Biomedical Engineering,, and Engineering Education.

Department facilities include the following laboratories: Computational Fluid Dynamics, Computational Solid Mechanics, Computer-Aided Design, Dynamic Systems, Hydraulics, Rehabilitation Engineering, Robotics, Biofuel cells and Biomimetics, Nanomaterials and Thin Films, Advanced Materials Processing and Characterization, Biofluids and Biosensors, Microelectronic Thermal Management and Heat Transfer, and Compliant Mechanisms.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

All applicants must take the GRE. A minimum score of 600 on the quantitative portion must be obtained or the student must have a grade point average (GPA) of 3.0/4.0 for the last two years of coursework from an ABET accredited engineering program for admission to the Master's Program. International students must score a minimum of 500 on the TOEFL examination.

#### DEGREE PROGRAM REQUIREMENTS

The Department of Mechanical Engineering has available, on request, the Mechanical Engineering Graduate Program Handbook, which delineates the Department's entrance requirements, programs of study, supervisory committee formation, and program completion requirements. The M.M.E is a non-thesis program and the M.S.M.E. is a thesis or design project program.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## MECHANICAL ENGINEERING PROGRAM

### Master of Science in Mechanical Engineering (M.S.M.E.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.1901
<b>Dept Code:</b>	EGR
<b>Program (Major/College):</b>	EME EN

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Mechanical Engineering
<b>Program Director:</b>	Jose Porteiro
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-2280
<b>Fax:</b>	813-974-3539
<b>Email:</b>	n/a
<b>Web Address:</b>	<a href="http://me.eng.usf.edu/">http://me.eng.usf.edu/</a>

##### Mailing Address:

University of South Florida  
 Mechanical Engineering  
 Mechanical Engineering Program  
 4202 E. Fowler Avenue, ENB118  
 Tampa, FL 33620

#### PROGRAM INFORMATION

The Department offers graduate programs leading to the M.S. and Ph.D. in Mechanical Engineering.

Research opportunities are available in the following areas: Mechanism Design, Kinematics, System Dynamics and Vibrations, Mechanical Controls, Tribology, Mechanical Design, Robotics, Rehabilitation Engineering, Composite Materials, Solid Mechanics, Fluid Dynamics, Thermal Energy Systems, Microelectronic Device Thermal Management, Clean and Renewable Energy Systems, Micro and Nano scale materials and systems, MEMS, Biosensors, Biofluids, Biomedical Engineering,, and Engineering Education.

Department facilities include the following laboratories: Computational Fluid Dynamics, Computational Solid Mechanics, Computer-Aided Design, Dynamic Systems, Hydraulics, Rehabilitation Engineering, Robotics, Biofuel cells and Biomimetics, Nanomaterials and Thin Films, Advanced Materials Processing and Characterization, Biofluids and Biosensors, Microelectronic Thermal Management and Heat Transfer, and Compliant Mechanisms.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

All applicants must take the GRE. A minimum score of 600 on the quantitative portion must be obtained or the student must have a grade point average (GPA) of 3.0/4.0 for the last two years of coursework from an ABET accredited engineering program for admission to the Master's Program. International students must score a minimum of 500 on the TOEFL examination.

#### DEGREE PROGRAM REQUIREMENTS

The Department of Mechanical Engineering has available, on request, the Mechanical Engineering Graduate Program Handbook, which delineates the Department's entrance requirements, programs of study, supervisory committee formation, and program completion requirements. The M.M.E is a non-thesis program and the M.S.M.E. is a thesis or design project program.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## MECHANICAL ENGINEERING PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	90
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active

<b>CIP Code:</b>	14.1901
<b>Dept Code:</b>	EGR
<b>Program (Major/College):</b>	EME EN

**Concentrations available in:**  
Manufacturing (MFG)

#### CONTACT INFORMATION

<b>College:</b>	Engineering
<b>Department:</b>	Mechanical Engineering
<b>Program Director:</b>	Jose Porteiro
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-2280
<b>Fax:</b>	813-974-3539
<b>Email:</b>	n/a
<b>Web Address:</b>	<a href="http://me.eng.usf.edu/">http://me.eng.usf.edu/</a>

##### Mailing Address:

University of South Florida  
Mechanical Engineering  
Mechanical Engineering Program  
4202 E. Fowler Avenue, ENB118  
Tampa, FL 33620

---

#### PROGRAM INFORMATION

The Department offers graduate programs leading to the M.S. and Ph.D. in Mechanical Engineering.

Research opportunities are available in the following areas: Mechanism Design, Kinematics, System Dynamics and Vibrations, Mechanical Controls, Tribology, Mechanical Design, Robotics, Rehabilitation Engineering, Composite Materials, Solid Mechanics, Fluid Dynamics, Thermal Energy Systems, Microelectronic Device Thermal Management, Clean and Renewable Energy Systems, Micro and Nano scale materials and systems, MEMS, Biosensors, Biofluids, Biomedical Engineering,, and Engineering Education.

Department facilities include the following laboratories: Computational Fluid Dynamics, Computational Solid Mechanics, Computer-Aided Design, Dynamic Systems, Hydraulics, Rehabilitation Engineering, Robotics, Biofuel cells and Biomimetics, Nanomaterials and Thin Films, Advanced Materials Processing and Characterization, Biofluids and Biosensors, Microelectronic Thermal Management and Heat Transfer, and Compliant Mechanisms.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

As a rule only students with an M.S. in Mechanical Engineering or a closely related field will be admitted

into the Ph.D. Program. Students without an M.S. in Mechanical Engineering may also be admitted but will be required to take a minimum of 6 credit hours from the Fluid and Thermal Sciences area and a minimum of 6 credit hours from the Mechanics and Systems area. Minimum requirements for admission are 650 on the quantitative section of the GRE .

#### DEGREE PROGRAM REQUIREMENTS

The Department of Mechanical Engineering has available, on request, the Mechanical Engineering Graduate Program Handbook, which delineates the Department's entrance requirements, programs of study, supervisory committee formation, and program completion requirements. The M.M.E is a non-thesis program and the M.S.M.E. is a thesis or design project program.

##### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>



## *Section 20*

### *College of Marine Science*

University of South Florida  
College of Marine Science  
140 7th Avenue S, MSL119  
St. Petersburg, FL 33701

**Web address:** <http://www.marine.usf.edu/>  
**Email:** [advisor@marine.usf.edu](mailto:advisor@marine.usf.edu)  
**Phone:** 727-553-1130  
**Fax:** 727-553-1189

**College Dean:** Peter Betzer  
**Associate Dean:** n/a  
**Graduate Coordinator:** Ted Van Vleet

#### **Accreditation:**

The Commission on Colleges of the Southern Association of College and Schools

#### **Mission Statement:**

The College of Marine Science (CMS) was formed during 2000 from the previous Department of Marine Science, initiated in 1967 with three founding faculty members. The Florida Board of Regents declared it a University Center of Excellence in 1978 and approved the Marine Science Ph.D. program in 1982. Staff and faculty serve students on the St. Petersburg campus, Tampa, and the other regional campuses together with their surrounding communities, espousing goals of both diversity and equal opportunity. The CMS at the University of South Florida is constituted as a graduate-level research program that forms the basis for educational opportunities at the Ph.D. and M.S. degree levels and for public service to the State of Florida. The College administratively reports to the Provost of USF.

#### **Mission**

The primary mission of the College is to conduct basic and applied research in ocean science. Here, ocean science is defined by application of the traditional fields of science to both the biology, chemistry, geology, and physics of the marine environment and to the interactions between the

marine environment and the adjoining atmosphere and land systems – presently and throughout earth's history. Included in the primary ocean science mission is the development of new technologies and tools for exploring the coupled ocean-atmosphere-land systems. The College expects its faculty to develop research programs of outstanding caliber and to fully engage the national and international scientific communities, through the reporting of research results in the most respected oral and written venues, and by professional service. Integral to the ocean science research mission is the education of graduate students.

The College recruits, trains, and graduates productive, creative scientists at the Ph.D. and M.S. levels that are prepared to make independent contributions to ocean science. The faculty are expected to develop outstanding graduate education programs that will afford students the opportunity to participate in all aspects of research. The College recognizes that graduate education requires strong mentoring along with traditional classroom instruction. An ancillary but important mission of the College is education outreach for students at all levels and for the public at large. Our outreach programs have significantly expanded our educational responsibilities, and they are intended to motivate all generations to become scientifically literate citizens and to understand the environment in which they live.

The College pursues innovative avenues for educational outreach. Efforts are made to attract more junior and senior level undergraduates into both the ocean science core courses and into advanced courses for which they have prerequisites. Historically, this is a way in which students have made career decisions to engage in ocean science. In this manner the College maintains close ties with the student body in other University of South Florida Colleges and campuses.

The College of Marine Science's specialized laboratories include those for trace metal analysis, water quality, organic and isotope geochemistry, physical chemistry, optical oceanography, satellite imagery, sedimentology, geophysics, physical oceanography, micropaleontology, physiology, benthic ecology, microbiology, planktology, and ichthyology. The College has a large flume facility and laser Doppler velocimeter for interdisciplinary boundary layer studies. It is often the case that a student's research is primarily conducted at sea. Bayboro Harbor can accommodate any ship in the fleet of the U.S. oceanographic vessels, and is home-port to the principal vessels operated by the Florida Institute of Oceanography for the entire State University System. Marine science students frequently participate in Gulf of Mexico cruises on either of two FIO vessels, the R/V Suncoaster (110ft) and the R/V Bellows (71ft). Ship time on other vessels in the U.S. fleet of oceanographic vessels, as well as foreign research vessels, is generally obtained through federal funding. Over the past decade, the College's students and faculty have conducted research in the Antarctic, Atlantic, Indian, and Pacific Oceans, as well as the Norwegian, Bering, Mediterranean and Caribbean Seas.

**Major Research Areas:**

Refer to College Information above.

**Types of Degrees Offered:**

Master of Science (M.S.), Doctor of Philosophy (Ph.D.)

**Name of Programs Offered:****Master of Science M.S.**

Marine Science

**Doctor of Philosophy Ph.D.**

Marine Science

**Concentrations:**

Biological Oceanography (M.S., Ph.D.)

Chemical Oceanography (M.S., Ph.D.)

Geological Oceanography (M.S., Ph.D.)

Physical Oceanography (M.S., Ph.D.)

Interdisciplinary

**Graduate Certificates Offered:**

n/a

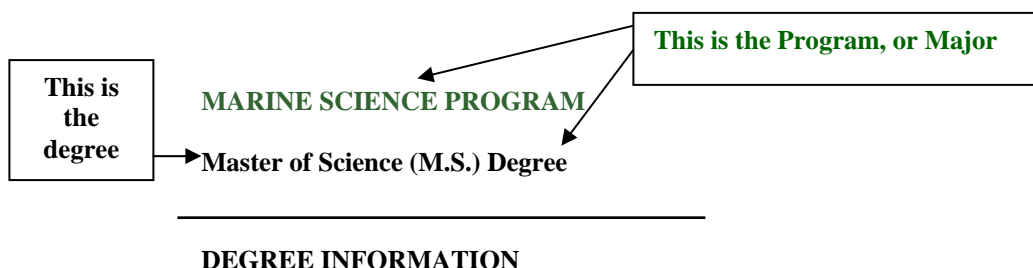
**COLLEGE REQUIREMENTS**

Refer to College website for information

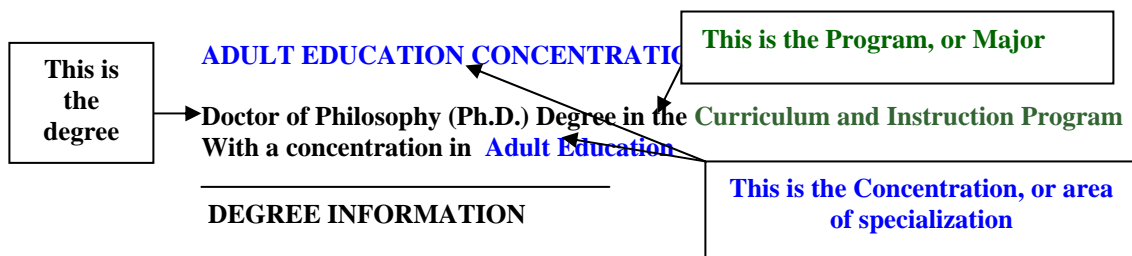
## About the Catalog

The University of South Florida Graduate Catalog is organized with the degree programs offered listed in the section of the college that offers them. For example, the Master of Science degree with a “program” (also known as major) in Biology is listed in the College of Arts and Sciences section. Some colleges offer areas of specialization, or “concentrations” within a degree program.

### EXAMPLE OF PROGRAM PAGE



### EXAMPLE OF CONCENTRATION PAGE



The name of the program and/or concentration does not appear on the diploma – only the name of the degree (i.e., Master of Arts) is listed. The program and concentration information is listed on the official transcript. Other areas, such as application track, are not listed on the transcript.

## MARINE SCIENCE PROGRAM

### Master of Science (M.S.) Degree

#### DEGREE INFORMATION

**Program Admission Deadlines:**
**U.S. Citizens:**

**Fall:** March 1  
**Spring:** October 1

**Internatational Students**

(not currently residing in U.S.):

**Fall:** January 2  
**Spring:** July 1

**International Students**

(currently residing in U.S.):

**Spring:** September 1

**Minimum Total Hours:** 32

**Program Level:** Masters

**Program Status:** Active

**CIP Code:** 40.0607

**Dept Code:** MSC

**Program (Major/College):** MSC MS

**Concentrations available in:**

Biological Oceanography (BOC)  
 Chemical Oceanography (COB)  
 Geological Oceanography (GOG)  
 Physical Oceanography (POG)  
 Interdisciplinary (IDY)

#### CONTACT INFORMATION

**College:** Marine Science  
**Program Director:** Ted Van Vleet  
**Other Contact:** n/a  
**Phone:** 727-553-1130  
**Fax:** 727-553-1189  
**Email:** [advisor@marine.usf.edu](mailto:advisor@marine.usf.edu)  
**Web Address:** <http://www.marine.usf.edu/>

**Mailing Address:**

University of South Florida  
 College of Marine Science  
 140 7th Ave. S., MSL 119  
 St. Petersburg, FL 33701

#### PROGRAM INFORMATION

The College of Marine Science (CMS) offers M.S. and Ph.D. degrees in Marine Science. The student may emphasize biological, chemical, geological, or physical oceanography, or develop an interdisciplinary program in oceanography through course work and thesis or dissertation research. More than 100 students are currently pursuing degrees under the direction of 30 full-time faculty. Study areas range from estuarine and near-shore systems to remote areas of the Pacific, Atlantic and Indian Oceans, as well as the Arctic and Antarctic. Additional information on faculty research and college facilities is available from the department upon request.

The College's location on St. Petersburg's Bayboro Campus allows immediate access to Tampa Bay and the Gulf of Mexico. Bayboro Harbor is home-port to the R/V Bellows (71 ft.) and the R/V Suncoaster (110 ft.) operated by the Florida Institute of Oceanography (FIO) for the State University System. The College's principal building is shared with FIO and is adjacent to the Florida Marine Research Institute (FMRI), the research arm of the Florida Fish and Wildlife Conservation Commission

(FWCC). A recently completed research building shared by CMS and FWCC houses a remote sensing, satellite data-acquisition center. With the Center for Coastal Geology and Regional Studies of the U.S. Geological Survey and the office of the Tampa Bay National Estuary Program also at Bayboro, our campus has one of the largest concentrations of marine scientists in the southeastern United States. Many of these scientists serve on advisory committees of CMS graduate students.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

- A. Bachelor's degree or equivalent from a regionally accredited university (Preferable

- majors include biology, chemistry, geology, physics or math)
- B. Have earned a “B” (3.0 on a 4.0 scale) average or better in all work attempted while registered as an upper division student working for a baccalaureate degree
  - C. Have completed all of the coursework listed on our website (<http://www.marine.usf.edu>) under “Undergraduate Preparation”
  - D. Have taken the Graduate Record Examination (GRE) within 5 years preceding application. The scores generally considered acceptable by the College are as follows: Verbal = 500, Quantitative = 600
  - E. Have the commitment of a Marine Science faculty member to serve as advisor during the student’s graduate studies.

### DEGREE PROGRAM REQUIREMENTS

A committee, consisting of a major advisor and at least 2 other members of the graduate faculty, will be appointed to supervise and guide the program of each student. Students must complete a minimum of 32 credits under the following areas:

1. Core courses completed with a grade of “B” or better:  
OCB 6050  
OCC 6050  
OCG 6051  
OCP 6050
2. six (6) credits of OCE 6971

Students must also complete a thesis and pass a final oral examination conducted by members of the student’s advisory committee.

### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>



## MARINE SCIENCE PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

#### DEGREE INFORMATION

**Program Admission Deadlines:**
**Program Admission Deadlines:**
**U.S. Citizens:**

<b>Fall:</b>	March 1
<b>Spring:</b>	October 1

**International Students**

(not currently residing in U.S.):

<b>Fall:</b>	January 2
<b>Spring:</b>	July 1

**International Students**

(currently residing in U.S.):

<b>Spring:</b>	September 1
----------------	-------------

**Minimum Total Hours:** 90

**Program Level:** Doctoral

**Program Status:** Active

**CIP Code:** 40.0607

**Dept Code:** MSC

**Program (Major/College):** MSC MS

**Concentrations available in:**

- Biological Oceanography (BOC)
- Chemical Oceanography (COB)
- Geological Oceanography (GOG)
- Physical Oceanography (POG)
- Interdisciplinary (IDY)

#### CONTACT INFORMATION

<b>College:</b>	Marine Science
<b>Program Director:</b>	Ted Van Vleet
<b>Other Contact:</b>	n/a
<b>Phone:</b>	727-553-1130
<b>Fax:</b>	727-553-1189
<b>Email:</b>	<a href="mailto:advisor@marine.usf.edu">advisor@marine.usf.edu</a>
<b>Web Address:</b>	<a href="http://www.marine.usf.edu/">http://www.marine.usf.edu/</a>

**Mailing Address:**

University of South Florida  
 College of Marine Science  
 140 7th Ave. S., MSL 119  
 St. Petersburg, FL 33701

#### PROGRAM INFORMATION

The College of Marine Science (CMS) offers M.S. and Ph.D. degrees in Marine Science. The student may emphasize biological, chemical, geological, or physical oceanography, or develop an interdisciplinary program in oceanography through course work and thesis or dissertation research. More than 100 students are currently pursuing degrees under the direction of 28 full-time faculty. Study areas range from estuarine and near-shore systems to remote areas of the Pacific, Atlantic and Indian Oceans, as well as the Arctic and Antarctic. Additional information on faculty research and college facilities is available from the department upon request.

The college's location on St. Petersburg's Bayboro Campus allows immediate access to Tampa Bay and the Gulf of Mexico. Bayboro Harbor is home-port to the R/V Bellows (71 ft.) and the R/V Suncoaster (110 ft.) operated by the Florida Institute of Oceanography (FIO) for the State University System. The college's principal building is shared with FIO and is adjacent to the Florida Marine Research Institute (FMRI), the research arm of

the Florida Fish and Wildlife Conservation Commission (FWCC). A recently completed research building shared

by CMS and FWCC houses a remote sensing, satellite data-acquisition center. With the Center for Coastal Geology and Regional Studies of the U.S. Geological Survey and the office of the Tampa Bay National Estuary Program also at Bayboro, our campus has one of the largest concentrations of marine scientists in the southeastern United States. Many of these scientists serve on advisory committees of CMS graduate students.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

- A. Bachelor's degree or equivalent from a regionally accredited university (preferable majors include biology, chemistry, geology, physics or math). Master's degree in one of the above sciences highly preferable.
- B. Have earned a "B" (3.0 on a 4.0 scale) average or better in all work attempted while registered as an upper division student working for a baccalaureate degree.
- C. Have completed all of the coursework listed on our website (<http://www.marine.usf.edu>) under "Undergraduate Preparation"
- D. Have taken the Graduate Record Examination (GRE) within 5 years preceding application. The scores generally considered acceptable by the college are as follows: Verbal = 500, Quantitative = 600
- E. Have the commitment of a Marine Science faculty member to serve as advisor during the student's graduate studies.

**DEGREE PROGRAM REQUIREMENTS**

A committee, consisting of a major advisor and at least 4 other members of the graduate faculty, is appointed to supervise and guide the program of the candidate. One

member shall be from a science department outside Marine Science. Students must complete a minimum of 90 credits beyond the Bachelor's degree, and must complete the following:

1. A core program consisting of OCB 6050, OCC 6050, OCG 6051, and OCP 6050 with a grade of "B" or better,
2. A comprehensive qualifying exam consisting of a written and oral portion. A student must receive a passing vote on the qualifying exam from at least 4 committee members before admission to Ph.D. candidacy.
3. A minimum of 16 credits of OCE 7980. Following admission to candidacy, the student must enroll in OCE 7980 when engaged in research, data collection, or writing activities relevant to the dissertation. The student is required to accumulate a minimum of 6 credits during each previous 12 month period (previous 3 terms, e.g., Fall, Spring, Summer) until the degree is granted.
4. A dissertation, and a dissertation defense examination.

**COURSES**

<http://www.ugs.usf.edu/sab/sabs.cfm>



## Section 21

### College of Medicine

University of South Florida  
College of Medicine  
12901 Bruce B. Downs Blvd. MDC40  
Tampa, FL 33612-4799

**Web address:**

<http://www.hsc.usf.edu/medicine/phd>

**Email:** [fjackson@health.usf.edu](mailto:fjackson@health.usf.edu)

**Phone:** 813-974-2256

**Fax:** 813-974-4317

**College Dean:** Steven Klasko  
**Interim Associate Dean:** Michael Barber  
**Interim Graduate Coordinator:** Michael Barber

**Accreditation:**

The Commission on Colleges of the Southern Association of College and Schools

**Mission Statement:**

The College of Medicine Graduate Faculty consist of scientists who conduct research in many fields of science basic to understanding disease processes and to the development of improved methods of diagnosis, treatment and prevention of disease. Students receive their research training in up-to-date methods of scientific investigation and gain experience in modern well-equipped laboratories.

The faculty is dedicated to providing high quality education in an environment conducive to scholarly activity and scientific achievement. The Graduate Faculty of the College of Medicine consists of scientists who conduct research in many fields of science basic to understanding disease processes and to the development of improved methods of diagnosis, treatment and prevention of disease. Students receive their research training in up-to-date methods of scientific investigation and gain experience in modern well-equipped laboratories. The faculty is dedicated to providing high quality education in an environment conducive to scholarly

activity and scientific achievement. Financial Aid - A limited number of assistantships, fellowships, and tuition waivers are available for graduate students. Applicants seeking support should contact the chairperson of the department to which they are applying.

**Major Research Areas:**

Contact College for information.

**Degrees Offered:**

Master of Bioethics and Medical Humanities (M.A.B.M.H.)

Master of Science in Bioinformatics and Computational Biology Program (M.S.B.C.B.)

Master of Science in Medical Sciences (M.S.M.S.)

Master of Science in Physical Therapy (M.S.P.T.)

Doctor of Philosophy (Ph.D.)

Doctor of Physical Therapy (D.P.T.)

**Name of Programs Offered:**

[Master of Bioethics and Medical Humanities Program \(M.A.B.M.H.\)](#)

Bioethics and Medical Humanities

[Master of Science in Bioinformatics and Computational Biology Program \(M.S.B.C.B.\)](#)

Bioinformatics and Computational Biology

[Master of Science in Med. Sciences \(M.S.M.S.\)\\*](#)

\*Offered as part of the Ph.D. Program

[Master of Science in Physical Therapy \(M.S.P.T.\)](#)

Physical Therapy

[Doctor of Philosophy \(Ph.D.\)](#)

Medical Sciences

[Doctor of Physical Therapy \(D.P.T.\)](#)

Physical Therapy

**Concentrations available in:**

Anatomy  
Biochemistry and Molecular Biology  
Microbiology and Immunology  
Neuroscience  
Pathology & Laboratory Medicine  
Pharmacology & Therapeutics  
Physiology & Biophysics

**Graduate Certificates Offered:**

See: <http://www.outreach.usf.edu/gradcerts/>

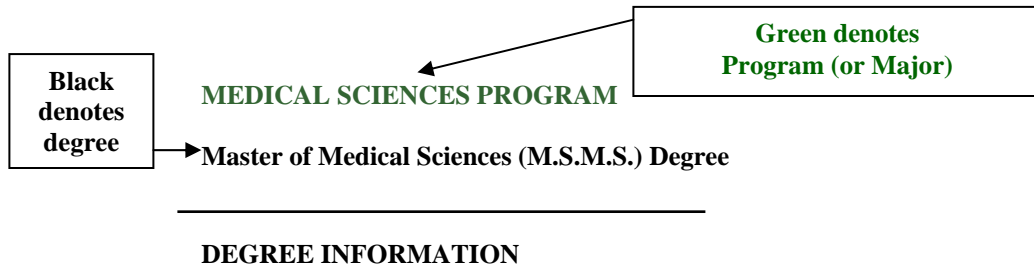
**College Requirements:**

Refer to College for information.

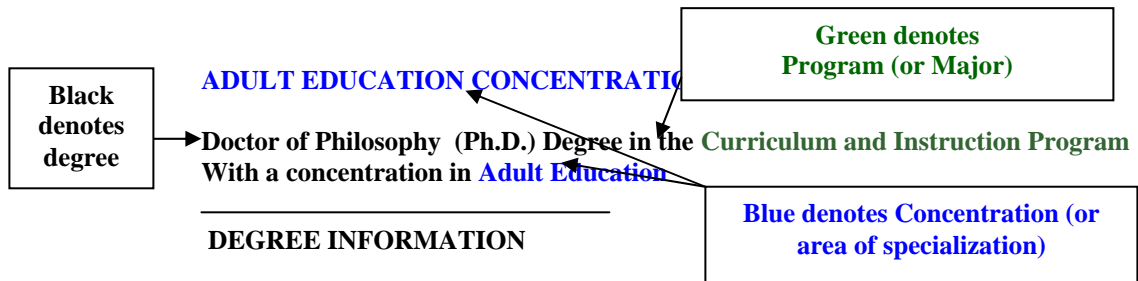
## About the Catalog

The University of South Florida Graduate Catalog is organized with the degree programs offered listed in the section of the college that offers them. For example, the Master of Science degree with a “program” (also known as major) in Biology is listed in the College of Arts and Sciences section. Some colleges offer areas of specialization, or “concentrations” within a degree program.

### EXAMPLE OF PROGRAM PAGE



### EXAMPLE OF CONCENTRATION PAGE



The name of the program and/or concentration does not appear on the diploma – only the name of the degree (i.e., Master of Arts) is listed. The program and concentration information is listed on the official transcript. Other areas, such as application track, are not listed on the transcript.

## BIOETHICS AND MEDICAL HUMANITIES PROGRAM

### Master of Bioethics and Medical Humanities (M.A.B.M.H.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	36
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	51.3201
<b>Dept Code:</b>	MED
<b>Program (Major/College):</b>	BMH MD

#### CONTACT INFORMATION

<b>College:</b>	Medicine
<b>Department:</b>	
<b>Program Director:</b>	Lois Nixon
<b>Other Contact:</b>	Ruth Marrero
<b>Phone:</b>	813-974-5300
<b>Fax:</b>	813-974-5460
<b>Email:</b>	<a href="mailto:MABMH@health.usf.edu">MABMH@health.usf.edu</a>
<b>Web Address:</b>	<a href="http://hsc.usf.edu/medicine/internalmedicine/bioethics/">http://hsc.usf.edu/medicine/internalmedicine/bioethics/</a>

**Mailing Address:**  
University of South Florida  
Bioethics and Medical Humanities Program  
12901 Bruce B. Downs Blvd, MDC19  
Tampa, FL 33620

#### PROGRAM INFORMATION

This innovative program, the first in Florida to combine bioethics and medical humanities, is designed to prepare leaders for increasingly complex healthcare concerns, especially those raised by advancements in technology, the distribution of scarce resources, and emerging global tensions. It is designed to focus on questions associated with genetic research and therapy, new reproductive technologies, health care delivery systems, end-of-life decisions, bio-terrorism, and numerous challenges associated with cultural sensitivities and competencies. The program is founded on the premise that questions posed by contemporary health care dilemmas, whether local, national or international, do not reside within the province of any single discipline, but require collaborative integration of insights from science, humanities, history, law, medicine, public health, nursing, philosophy, education and social-behavioral sciences.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

1. BA or equivalent degree from a regionally accredited university, with a "B" (3.0 on a 4.0 scale) average or better in all work attempted while registered as an upper division student working toward a baccalaureate degree; AND

2. Graduate Record Examination (GRE) scores (500V, 500Q) OR
3. GMAT scores of 500 or better; OR
4. An equivalent measure approved by the Board of Trustees, taken within five years preceding application

Applicants to the program will be expected to have some competency in basic research design and methods (either qualitative or quantitative) that will be determined from student transcripts. Students who do not meet this prerequisite will be encouraged to enroll in USF courses that provide this foundation.

#### DEGREE PROGRAM REQUIREMENTS

Four required core courses (12 credit hours) and Research Ethics Seminar (3 credit hours)  
Four Elective courses (12 credit hours)  
Two internships (6 credit hours)  
Thesis project or three month internship (6 credit hours)

##### Core Courses

BMS 6821 Medical Ethics and Humanities  
BCH 6411 Health Sciences  
BCH 6xxx Philosophical and Religious Perspectives on Ethics  
BCH 6xxx Bioethics in Contemporary Society

##### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## BIOINFORMATICS AND COMPUTATIONAL BIOLOGY PROGRAM

### Master of Bioinformatics and Computational Biology (M.S.B.C.B.) Degree

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	42
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	26.1103
<b>Dept Code:</b>	MED
<b>Program (Major/College):</b>	BCB MD

#### CONTACT INFORMATION

<b>College:</b>	Medicine
<b>Department:</b>	
<b>Program Directors:</b>	Inge Wefes
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-5360
<b>Fax:</b>	813-974-7357
<b>Email:</b>	<a href="mailto:jwefes@health.usf.edu">jwefes@health.usf.edu</a>
<b>Web Address:</b>	<a href="http://hsc.usf.edu/medicine/biochemistry/msbioinfocompbiol.html">http://hsc.usf.edu/medicine/biochemistry/msbioinfocompbiol.html</a>

**Mailing Address:**

University of South Florida  
 Biochemistry and Molecular Biology  
 Bioinformatics and Computational Biology  
 Program  
 12901 Bruce B. Downs Blvd, MDC 7  
 Tampa, FL 33612

#### PROGRAM INFORMATION

The Masters Program in Bioinformatics and Computational Biology at the University of South Florida represents a multi-college partnership and a truly interdisciplinary collaboration. Participating departments include the Departments of Biochemistry & Molecular Biology in the College of Medicine, Mathematics in the College of Arts and Sciences, Computer Sciences and Engineering and the Division of Biomedical Engineering in the College of Engineering, Epidemiology & Biostatistics in the College of Public Health and Information Systems & Decision Sciences in the College of Business Administration. The program is designed to meet the increasing demand for trained people in this emerging area, which crosses the traditional fields of biological, mathematical and computer sciences. The program, therefore, builds on and complements the current strengths of the university.

The goal of the Masters Program in Bioinformatics & Computational Biology is to provide students enrolled in the program with high quality training and education that will prepare them for careers in science, industry, health care and education. The curriculum has been designed accordingly and provides the theoretical background, the practical training and, with the internships, the "real life" experience, which will equip students with the essential tools for a successful career in the field of Bioinformatics & Computational Biology.

The Masters Program in Bioinformatics & Computational Biology is designed for 40 credit hours to be obtained during two years of study. Nine core courses will provide the foundation and basics before advanced work,

including four electives, and a Master's thesis or internship will be pursued. The curriculum is flexible and will be tailored to the individual student's background, interests and career goals. However, electives must be selected from at least two of the participating departments to assure breadth of training. Exceptional students with extra motivation and commitment can enroll in the Ph.D.- PLUS program. The Ph.D.-PLUS program provides the opportunity to study for a Ph.D. in Biochemistry and Molecular Biology and a Master's degree in Bioinformatics and Computational Biology concurrently. Nine credit hours can be double credited. <http://biochem.usf.edu/phdplus/index.html>

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

1. A bachelor's degree or equivalent from a regionally accredited university
2. Minimum overall grade-point average of 3.0 out of a possible 4.0 with a minimum grade-point average of 3.0 in the sciences
3. Graduate Record Examination
4. Completed pre-requisites in:
  - a. Calculus I-III
  - b. Linear algebra
  - c. Biostatistics

- d. At least "C" and "maple" or "mathematica" or "math-cad"
- e. General biology (1 year)
- f. Organic chemistry (1 year)

### DEGREE PROGRAM REQUIREMENTS

#### Prerequisites:

Calculus I-III, linear algebra, biostatistics, at least "C" and "maple" or "mathematica" or "math-cad", one year of general biology and one year of organic chemistry.

#### Required courses:

GMS 6200	Core Course in Medical Biochemistry	3-5
BCH 6888	Bioinformatics I	3
MAT 5932	Selected Topics in Combinatorics and Graph Theory	3
BCH 6411	Introduction into Molecular Biology	2-4
GMS 7930	Bioinformatics II	3
MAT 5932	Selected Topics in Probability Theory	3
GMS 7930	Research Ethics	2
CIS 6930	Advanced Data Structures	3
MAT 6932	Selected Topics in Bioinformatics and Computational Biology	2
	Complete M.S. Thesis Project or Internship	4-6

### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>



## MEDICAL SCIENCES PROGRAM

### Master of Science in Medical Sciences (M.S.M.S.) Degree

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15

<b>Minimum Total Hours:</b>	30
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active
<b>CIP Code:</b>	26.9999
<b>Dept Code:</b>	MED
<b>Program (Major/College):</b>	MSG MD

#### CONTACT INFORMATION

<b>College:</b>	Medicine
<b>Department:</b>	Anatomy, Biochemistry, Medical Microbiology, or Pharmacology
<b>Program Director:</b>	Joseph Krzanowski
<b>Other Contact:</b>	Franjesca Jackson
<b>Phone:</b>	813-974-2256
<b>Fax:</b>	813-974-4317
<b>Email:</b>	<a href="mailto:fjackson@health.usf.edu">fjackson@health.usf.edu</a>
<b>Web Address:</b>	<a href="http://hsc.usf.edu/medicine/phd/">http://hsc.usf.edu/medicine/phd/</a>
<b>Mailing Address:</b>	University of South Florida College of Medicine Office of Graduate Affairs 4202 E. Fowler Ave, MDC40 Tampa, FL 33612

#### PROGRAM INFORMATION

The program is designed to provide students with advanced training in either Anatomy, Biochemistry, Medical Microbiology, or Pharmacology. Students successfully completing the program will have a foundation that will prepare them for a higher degree in biomedical science such as a M.D. or Ph.D. or qualify them to work as teachers or research assistants in academia or in the private sector. The program will provide a solid core of training in the latest findings, concepts, and experimental techniques. Students will be allowed to individualize their training through elective courses and will have the opportunity to conduct laboratory research. The program is intended for students who wish training beyond a baccalaureate degree but do not wish to commit to a Ph.D. program or do not meet the qualifications required for admissions into a M.D. or Ph.D. program. Within the first month of being admitted into the program, the student with the advice and approval of the Department Chair and/or Graduate Coordinator, will select a mentor and two other faculty members to serve on his/her Advisory Committee. This committee will counsel the student on their specific academic program, including the thesis project.

All students in the Master Program will be required to write a thesis prior to graduation. The subject matter for this original project may represent laboratory research conducted by the student or independent studies of the literature. At the end of the first semester after consultation with the mentor, the student will prepare a written research proposal and present it to his/her Advisory Committee for approval. After the proposed research has been completed, the student must prepare a written thesis describing original research performed by the student. The student must present this work in the form of a seminar and defend it publicly. The Advisory

Committee will determine whether the student has successfully defended his/her thesis. The Masters degree is awarded after completion of all requirements.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**Major Research Areas:**

See Concentration websites

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

1. A bachelor's degree or equivalent from a regionally accredited university
2. Minimum overall grade-point average of 3.0 out of a possible 4.0 with a minimum grade-point average of 3.0 in the sciences\*
3. Graduate Record Examination
4. Completed pre-requisites in:
  - a. General biology (1 year)
  - b. General chemistry (1 year)
  - c. General physics (1 year)
  - d. Organic chemistry (1 year)
  - e. Quantitative analysis (1 course)
  - f. Mathematics including integral and differential calculus

#### DEGREE PROGRAM REQUIREMENTS

Degree requirements are individualized according to research interests and goals. Thirty credit hours minimum.

**COURSES** - See <http://www.ugs.usf.edu/sab/sabs.cfm>

## MEDICAL SCIENCES PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

#### DEGREE INFORMATION

**Program Admission Deadlines:**

**Fall:** March 15

**Minimum Total Hours:** 90

**Program Level:** Doctoral

**Program Status:** Active

**CIP Code:** 26.9999

**Dept Code:** MED

**Program (Major/College):** MSG MD

**Concentrations available in:**

Anatomy (ANA)  
 Biochemistry and Molecular Biology (BMB)  
 Microbiology and Immunology (MMI)  
 Neuroscience (NEU)  
 Pathology and Laboratory Medicine (PLM)  
 Pharmacology and Therapeutics (PAT)  
 Physiology and Biophysics (PAB)

#### CONTACT INFORMATION

**College:** Medicine  
**Department:** Anatomy, Biochemistry,  
 Medical Microbiology,  
 Pathology, Pharmacology, or  
 Physiology  
**Program Director:** Joseph Krzanowski  
**Other Contact:** Franjesca Jackson  
**Phone:** 813-974-2256  
**Fax:** 813-974-4317  
**Email:** [fjackson@health.usf.edu](mailto:fjackson@health.usf.edu)  
**Web Address:** <http://hsc.usf.edu/medicine/phd/>

**Mailing Address:**

University of South Florida  
 College of Medicine  
 Office of Graduate Affairs  
 4202 E. Fowler Ave, MDC40  
 Tampa, FL 33612

#### PROGRAM INFORMATION

The program is designed to provide students with a broad knowledge in the basic medical sciences, while preparing them for careers as effective and knowledgeable teachers, as well as productive and versatile researchers. To meet these objectives, students take courses in the medical sciences and related areas, participate in seminars, and receive individual research training. Departmental advisory committees counsel the entering students in planning their first year curriculum. In addition to course work and participation in seminars, first year students are expected to become familiar with ongoing research in their chosen department; when possible, they are encouraged to work on a part-time basis as research assistants in their department. Once the student selects a major professor, a formal dissertation committee is appointed. The dissertation committee assists the student in planning the research and course of study, evaluates the student's progress, supervises the comprehensive examination, and conducts the final dissertation defense.

By the end of the second year, a student has usually completed sufficient course work and met the other research requirements to take the comprehensive qualifying examination. Successful completion of this examination leads to formal admission to candidacy for the Ph.D. degree. The final phase of the program emphasizes research and independent study and leads to a written dissertation. The Ph.D. degree is awarded upon successful completion and oral defense of the dissertation. Departments within the College of Medicine may have additional requirements that pertain

to their respective training program. Contact the department for information.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**Major Research Areas:** See Concentration websites

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

1. A bachelor's degree or equivalent from a regionally accredited university
2. Minimum overall grade-point average of 3.0 out of a possible 4.0 with a minimum grade-point average of 3.0 in the sciences
3. Graduate Record Examination (minimum 600Q)
4. Completed pre-requisites in:
  - a. General biology (1 year)
  - b. General chemistry (1 year)
  - c. General physics (1 year)
  - d. Organic chemistry (1 year)
  - e. Quantitative analysis (1 course)
  - f. Mathematics including integral and differential calculus
5. Three (3) letters of recommendation
6. Interview
7. One-two page personal statement

**DEGREE PROGRAM REQUIREMENTS**

Degree requirements are individualized according to research interests and goals. Ninety credit hours minimum including 24 minimum directed research hours.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## PHYSICAL THERAPY PROGRAM

### Master of Science in Physical Therapy (M.S.P.T.) Degree

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
Not accepting applications

**Minimum Total Hours:** 71

**Program Level:** Masters Professional

**Program Status:** Inactive

**CIP Code:** 51.2308

**Dept Code:** PHT

**Program (Major/College):** MPT MD

#### CONTACT INFORMATION

**College:** Medicine

**Department:** School of Physical Therapy

**Program Director:** William Quillen

**Other Contact:** Joselin Sanadi

**Phone:** 813-974-8870

**Fax:** 813-974-8915

**Email:** [dpt@health.usf.edu](mailto:dpt@health.usf.edu)

**Web Address:** <http://dpt.hsc.usf.edu>

**Mailing Address:**  
School of Physical Therapy  
College of Medicine  
University of South Florida  
12901 Bruce B. Downs Blvd., MDC77  
Tampa, FL 33612-4766

**Inactive.** Currently, students are not being admitted to this program.

## PHYSICAL THERAPY PROGRAM

### Doctor of Physical Therapy (D.P.T.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

Rolling Admissions. One class admitted each August. Contact program for details.

**Minimum Total Hours:** 107  
**Program Level:** Doctoral Professional  
**Program Status:** Active

**CIP Code:** 51.2308  
**Dept Code:** PHT  
**Program (Major/College):** MPT MD

#### CONTACT INFORMATION

**College:** Medicine  
**Department:** School of Physical Therapy  
**Program Director:** William Quillen  
**Other Contact:** Joselin Sanadi  
**Phone:** 813-974-8870  
**Fax:** 813-974-8915  
**Email:** [dptfo@health.usf.edu](mailto:dptfo@health.usf.edu)  
**Web Address:** <http://dpt.hsc.usf.edu>

##### Mailing Address:

School of Physical Therapy  
 College of Medicine  
 University of South Florida  
 12901 Bruce B. Downs Blvd., MDC77  
 Tampa, FL 33612-4766

#### PROGRAM INFORMATION

Physical therapists are health professionals with special expertise in the science of movement. They use this knowledge to provide preventive and therapeutic services and psychological support to people of all ages with movement dysfunction. Professional education includes study of basic sciences and the professional skills needed for client examination, evaluation, diagnosis, prognosis, intervention and outcomes. Students will participate in comprehensive clinical internships throughout the program. The School of Physical Therapy is a component of the College of Medicine and is a limited access first professional degree program with an annual enrollment of up to 36 students per year. Students complete the majority of their first year studies on a parallel path with the first year curriculum in medicine.

##### Accreditation:

Accredited by the Commission on Accreditation in Physical Therapy Education.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

1. Have a bachelor's degree or equivalent from a regionally accredited university, and completion of prerequisite courses.
2. Have earned a "B" (3.0 on a 4.0 scale) average or better in all work attempted while registered as an upper division student working for a baccalaureate degree; overall GPA of 3.0 and on all prerequisite coursework..

3. Interview upon request of the School of Physical Therapy.
4. Have at least 20 total hours of documented, observational, volunteer or other work experience in both hospital outpatient and inpatient physical therapy settings
5. English competency. Applicants who have completed a degree in which English is not the primary language of instruction must present evidence of competency to pursue studies in the English language prior to being extended an offer of admission. Acceptable English language proficiency tests for applicants to the Doctor of Physical Therapy program are: TOEFL (Test of English as a Foreign Language) a minimum score of 600 (paper version); 230 (computer version).
6. Have a written autobiographical statement of personal values and purpose for attending USF's DPT Degree Program. \*\*\*

\*\*\* This requirement will be effective for applicants applying for 2006 admission.\*\*\*

#### DEGREE PROGRAM REQUIREMENTS

Students must complete 107 credit hours of professional coursework and meet the general graduate requirements of the School of Physical Therapy and College of Medicine for admission and graduation.

**COURSES** - See <http://www.ugs.usf.edu/sab/sabs.cfm>

## PHYSICAL THERAPY AND PUBLIC HEALTH PROGRAM

### Dual Degree Program

### Doctor of Physical Therapy (D.P.T.) and Master of Public Health (M.P.H.) Degree

#### DEGREE INFORMATION

<b>Program Admission Deadlines:</b>	Rolling Admissions. One class admitted each August. Contact program for details.
<b>Minimum Total Hours:</b>	Contact Programs
<b>Program Level:</b>	Professional/Masters
<b>Program Status:</b>	Active
<b>CIP Code:</b>	51.2308/
<b>Dept Code:</b>	PHT/
<b>Program (Major/College):</b>	MPT MD/

#### CONTACT INFORMATION

<b>Colleges:</b>	Medicine and Public Health
<b>Departments:</b>	School of Physical Therapy and Public Health
<b>Program Director:</b>	William Quillen
<b>Other Contact:</b>	Joselin Sanadi
<b>Phone:</b>	813-974-8870
<b>Fax:</b>	813-974-8915
<b>Email:</b>	<a href="mailto:dptfo@health.usf.edu">dptfo@health.usf.edu</a>
<b>Web Address:</b>	<a href="http://dpt.hsc.usf.edu">http://dpt.hsc.usf.edu</a>
<b>Mailing Address:</b>	School of Physical Therapy College of Medicine University of South Florida 12901 Bruce B. Downs Blvd., MDC77 Tampa, FL 33612-4766

#### PROGRAM INFORMATION

Physical therapists are health professionals with special expertise in the science of movement. They use this knowledge to provide preventive and therapeutic services and psychological support to people of all ages with movement dysfunction. Professional education includes study of basic sciences and the professional skills needed for client examination, evaluation, diagnosis, prognosis, intervention and outcomes. Students will participate in comprehensive clinical internships throughout the program. The School of Physical Therapy is a component of the College of Medicine and is a limited access first professional degree program with an annual enrollment of up to 36 students per year. Students complete the majority of their first year studies on a parallel path with the first year curriculum in medicine.

#### Accreditation:

Accredited by the Commission on Accreditation in Physical Therapy Education.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Contact programs for complete information.**

#### Program Admission Requirements

1. Have a bachelor's degree or equivalent from a regionally accredited university, and completion of prerequisite courses.
2. Have earned a "B" (3.0 on a 4.0 scale) average or better in all work attempted while registered as an upper division student working for a baccalaureate degree; overall GPA of 3.0 and on all prerequisite coursework..
3. Interview upon request of the School of Physical Therapy.
4. Have at least 20 total hours of documented, observational, volunteer or other work experience in both hospital outpatient and inpatient physical therapy settings
5. English competency. Applicants who have completed a degree in which English is not the primary language of instruction must present evidence of competency to pursue studies in the English language prior to being extended an offer of admission. Acceptable English language proficiency tests for applicants to the Doctor of Physical Therapy program are: TOEFL (Test of English as a Foreign Language) a

minimum score of 600 (paper version); 230 (computer version).

6. Have a written autobiographical statement of personal values and purpose for attending USF's DPT Degree Program. \*\*\*

\*\*\* This requirement will be effective for applicants applying for 2006 admission. \*\*\*

## **DEGREE PROGRAM REQUIREMENTS**

**Contact programs for complete information.**

Students must complete 107 credit hours of professional coursework and meet the general graduate requirements of the School of Physical Therapy and College of Medicine for admission and graduation.

**COURSES** - See <http://www.ugs.usf.edu/sab/sabs.cfm>



## Section 22

### College of Nursing

University of South Florida  
College of Nursing  
12901 Bruce B. Downs Blvd. MDC22  
Tampa, FL 33620

**Web address:**

<http://hsc.usf.edu/nocms/nursing/index.html>

**Email:** [cstorck@health.usf.edu](mailto:cstorck@health.usf.edu)

**Phone:** 813-974-2191

**Fax:** 813-974-5418

**College Dean:** Patricia Burns

**Interim Associate Dean:** Mary Webb

**Graduate Coordinators:**

**Ph.D. Program Coordinator:** Mary Evans

**DNP Program Coordinator:** Mary Webb

**Masters Program Coordinator:** Lois Gonzalez

**College Contact:** Jody Conway

**Accreditation:**

The Commission on Colleges of the Southern Association of College and Schools and by the National League for Nursing Accreditation Commission, 61 Broadway, New York, NY 10006; (212) 363-5555 extension 153 and the Commission on Collegiate Nursing Education, One Dupont Circle, Suite 530, Washington D.C. 20036-1120;(202) 887-6791.

**Mission Statement:**

The College of Nursing is committed to advance the science and practice of the profession by creating environments conducive to learning, scholarly inquiry, and the development of innovative community partnerships. The College

of Nursing is dedicated to achieving national recognition for its contributions to improving health care outcomes.

**Major Research Areas:**

Research opportunities include: Quality of Life/End of Life; Heart Disease and Treatment; Women, Children, Families and Communities; Health Services Research, Interdisciplinary Mental Health, and Patient Safety.

**Degrees Offered:**

Master of Science (M.S.), Doctor of Philosophy (Ph.D.), Doctor of Nursing Practice (D.N.P.), Dual Degree M.S./MPH in Occupational Health Nursing/Adult Nurse Practitioner

**Name of Programs Offered:**

Nursing

**Concentrations:**

Academic Role  
Acute Care Nursing  
Adult Health Nursing  
Child Health Nursing  
Clinical Nurse Leader  
Critical Care Nursing (inactive)  
Family Health Nursing  
Gerontological Nursing  
Health Systems Informatics (Informatics in Nursing) (inactive)  
Nursing Education  
Occupational Health Nursing  
Oncology Nursing  
Psychiatric-Mental Health Nursing



### COLLEGE REQUIREMENTS

For specific degree requirements for the M.S. and Ph.D. programs in Nursing, refer to the Nursing Program Information.

#### Graduate Certificates Offered:

See: <http://www.outreach.usf.edu/gradcerts/>

Hospice, Palliative Care and End of Life Studies

Nursing and Healthcare Informatics

Nursing Education

Post Master's Nurse Practitioner: Adult Health, Child Health, Family Health, Psych/Mental Health, Gero-Psychiatry, Gerontology, Oncology Nursing. The credit hours will vary depending on the area of specialization.

#### Baccalaureate Degree (Nursing) to Master's Degree Program (BS to MS)

Nurse with a baccalaureate degree in nursing are prepared to enroll directly in graduate course work. The total number of credits required is specific to the nursing concentration

- BS (Nursing) from an accredited program
- Earned grade point average of 3.0 or higher on 4.0 scale
- All sections of the Graduate Record Exam (GRE)
- Courses in health assessment, research, and statistics
- Current license as a registered nursing in the State of Florida
- Three letters of recommendation
- Current resume or curriculum vita
- Written statement of professional goals
- A personal interview with a designated faculty member may also be required
- Some concentrations may have additional practice requirements

#### Registered Nurse to Master's Degree Program (RN to MS)

The RN/MS option is designed for registered nurses who have earned a baccalaureate degree in another discipline. The student must also complete the following courses at the undergraduate level before admission to the Master's program: statistics, research, health assessment, community health theory and community health clinical practice.

- BS/BA from an accredited program
- Earned grade point average of 3.0 or higher on 4.0 scale
- All sections of the Graduate Record Exam (GRE)

- Courses in health assessment, research, statistics, community health theory and clinical
- Current license as a registered nursing in the State of Florida
- Three letters of recommendation
- Current resume or curriculum vita
- Written statement of professional goals
- A personal interview with a designated faculty member may also be required
- Some concentrations may have additional practice requirements

#### Associate Degree in Nursing to Master's Degree (ADN to MS)

The ADN/MS option allows the Associate Degree in Nursing prepared nurse to access graduate study directly. Students complete 18 credit hours of coursework in the baccalaureate program before applying to the Graduate Program and taking the GREs.

- Associate Degree (Nursing) from an accredited program
- Earned grade point average of 3.0 or higher on 4.0 scale
- Completion of general education and state mandated prerequisites
- Current license as a registered nursing in the State of Florida
- Three letters of recommendation
- Current resume or curriculum vita
- Written statement of professional goals
- Completion of 18 undergraduate nursing credits with 3.0 GPA
- All sections of the Graduate Record Exam (GRE)
- A personal interview with a designated faculty member may also be required
- Some concentrations may have additional practice requirements

### PROGRESSION POLICY

USF College of Nursing

#### Progression Policy

Effective Fall 2004 And Applies To All Graduate Students (Current and New)

Graduate students must earn the grade of B or higher (B minus is not acceptable) in each required course in their respective nursing program. Graduate students must also maintain an overall average of 3.0 (B) in order to be considered to be "in good standing." Students also must meet any special conditions of their admissions. No grade

below C will be accepted toward a graduate degree. All grades will be counted in computing the overall grade point average. Students must have an overall GPA of 3.0 at the completion of their respective program, or they will not be awarded a degree from the University of South Florida.

If a student earns a grade below a B in a required course, she/he must repeat the course. The course must be taken in the next semester that it is offered and the student must earn a B or higher. Any student, who earns below a B in two or more required courses or earns below a B in a required course twice, will be dismissed from the College. The Dean of the College of Nursing, or her designee (Associate Dean of Academic Affairs or the Associate Dean of Doctoral Studies), will notify students who are dismissed, in writing.

#### **Clinical Performance**

Patient safety and welfare are the most critical criteria of the clinical rotation. If at any time during the clinical rotation the student places the patient in an actual or potentially hazardous or unsafe situation or the faculty judges the student to be deficient in clinical competence for patient care responsibility, the student will fail the course regardless of previous clinical performance. Students who receive an unsatisfactory grade for their clinical performance may be dismissed from the program, regardless of academic standing in other classes.

#### **Human Research Conduct**

The protection of the rights of human subjects is the most critical criteria of any research study involving human subjects. If at any time during the conduction of a human subject study, a student violates the rights of the participants, the study will be stopped. Permission to continue with the study will be dependent upon an investigation by the University of South Florida Institutional Review Board, the student's research advisor and the Dean of the College of Nursing.

#### **Progression Process**

Any student who is not in good standing at the end of a semester shall be placed on probation. The College may also place students on probation for other reasons as designated. The Associate Dean for Academic Affairs shall make notification of probation in writing to the student, the student's program coordinator, and the Student Affairs Committee. The student shall meet with their program coordinator to develop a Probation Plan detailing the plan for removal of probationary status. The Associate Dean for Academic Affairs shall approve the Plan. A copy of the approved Plan will be given to the student and program coordinator, a written copy will also be placed in the student's academic record.

At the end of the probationary semester, the program coordinator shall review the student's progress and compliance with the Probationary Plan, and recommend to the Student Affairs Committee one of the three alternatives: (1) Removal of probation, (2) Continued probation and continuance of the Probation Plan, and (3) Dismissal from the degree program. The Student Affairs committee shall make a recommendation, in writing, to the Associate Dean for Academic Affairs. The Associate Dean shall notify the student in writing of his/her academic status.

The Dean of the Graduate School, upon recommendation by the Dean of the student's College, may dismiss the student from a degree-seeking status after one semester of probation. The inability of a Veteran Student to achieve a passing cumulative GPA after two semesters of probationary status will result in termination of benefits.

**Approved at March 2003 Faculty Council.**

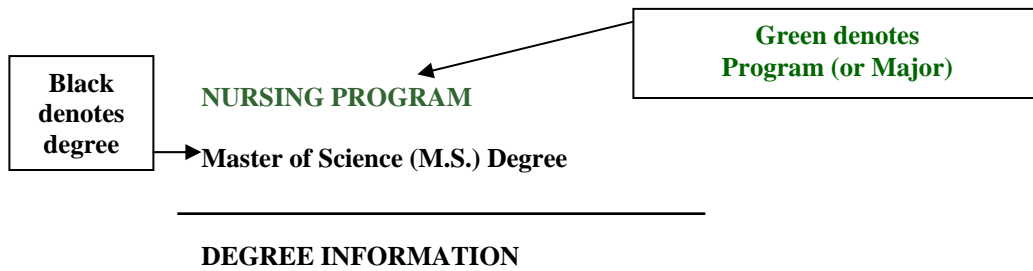
**Approved December 15, 2003 Graduate Council**

\*\*\*\*\*

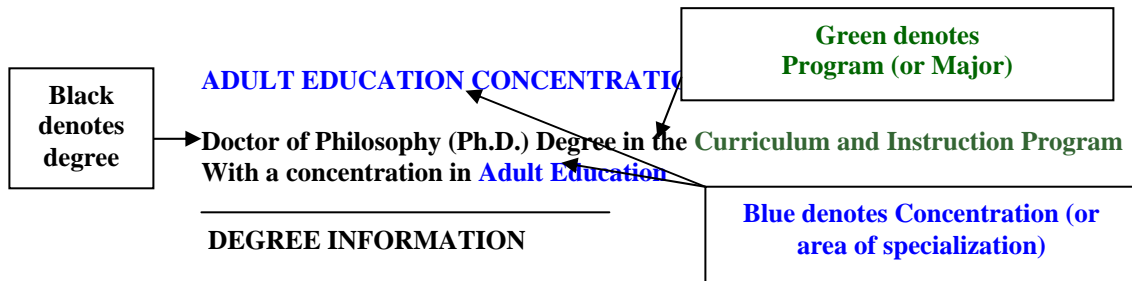
## About the Catalog

The University of South Florida Graduate Catalog is organized with the degree programs offered listed in the section of the college that offers them. For example, the Master of Science degree with a “program” (also known as major) in Biology is listed in the College of Arts and Sciences section. Some colleges offer areas of specialization, or “concentrations” within a degree program.

### EXAMPLE OF PROGRAM PAGE



### EXAMPLE OF CONCENTRATION PAGE



The name of the program and/or concentration does not appear on the diploma – only the name of the degree (i.e., Master of Arts) is listed. The program and concentration information is listed on the official transcript. Other areas, such as application track, are not listed on the transcript.

## NURSING PROGRAM

### Master of Science (M.S.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	44-62
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	51.1601
<b>Dept Code:</b>	NUR
<b>Program (Major/College):</b>	NUR NR

##### Concentrations available in:

Academic Role (NAR)  
 Acute Care Nursing (NAC)  
 Adult Health Nursing (NAH)  
 Child Health Nursing (NCH)  
 Clinical Nurse Leader (NCL)  
 Family Health Nursing (MFH)  
 Gerontological Nursing (NGE)  
 Health Systems Informations (NHI)  
 Nursing Education (NED)  
 Occupational Health Nursing (NOH)  
 Oncology Nursing (NON)  
 Psychiatric-Mental Health Nursing (NPM)

**Also offered as:** Dual Degree M.S./MPH in  
 Occupational Health Nursing/Adult  
 Nurse Practitioner

#### CONTACT INFORMATION

<b>College:</b>	Nursing
<b>Department:</b>	
<b>Program Director:</b>	Lois Gonzalez
<b>Other Contact:</b>	Carl Stork
<b>Phone:</b>	813-974-2191
<b>Fax:</b>	813-974-5418
<b>Email:</b>	<a href="mailto:cstorck@hsc.usf.edu">cstorck@hsc.usf.edu</a>
<b>Web Address:</b>	<a href="http://hsc.usf.edu/nocms/nursing/index.html">http://hsc.usf.edu/nocms/nursing/index.html</a>

##### Mailing Address:

University of South Florida  
 Nursing  
 Nursing Program  
 12901 Bruce B Downs, MDC22  
 Tampa, FL 33620

#### PROGRAM INFORMATION

Applications are reviewed as files are completed. Check published admission dates for a given semester.

The program in nursing leading to a Master of Science degree prepares its graduates for careers in advanced practice, nursing education and nursing administration and informatics or as clinical nurse leaders.. Students choose from a variety of nursing specialty options in advanced practice roles and enroll in a prescribed set of core courses central to all specialty options as well as specialty courses and electives.

Successful completion of the master's program in advanced nursing practice (Adult, Health, Family Health, Child Health, Oncology Nursing, and Psychiatric-Mental Health, Acute Care, Gerontology) meets the eligibility requirements for advanced practice licensure (ARNP-nurse practitioner) in Florida and qualifies students to take the specialty national certification examinations. Successful completion of the master's program in

Healthcare Systems Leadership qualifies graduates to take the American Nurses' Association Credentialing Center examination in Nursing Administration. Successful completion of the concentration in Nursing Informatics qualifies graduates to take the American Nurses' Association Credentialing Center examination in nursing informatics.

##### Graduate Program Objectives

Graduates of the M.S. in Nursing at the University of South Florida are prepared to:

1. Synthesize knowledge from the natural and social sciences, the arts and humanities and the art of science of nursing in advanced practice nursing.
2. Apply principles of advanced nursing practice to improve health outcome culturally diverse and vulnerable populations.

3. Contribute to the advancement of the profession through research, consultation, collaboration, education, leadership and clinical excellence.
4. Influence the development of health policy through leadership as a clinical expert, client advocate, or professional participant in the health care delivery system.
5. Create a professional practice environment that values and integrates legal/ethical principles in the provision of quality health care.
6. Embrace the pursuit of life-long learning for professional development through participation informal and informal education.
7. Support excellence in health care delivery by utilizing research findings, participating in the research process and identifying new issues for further investigative development.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools; National League for Nursing Accreditation Commission

**Major Research Areas:**

Research opportunities include: Quality of Life/ End of Life; Heart Disease and Treatment, Women, Children, Families and Communities; Health and Services Research, Interdisciplinary Mental Health, and Patient Safety.

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements****RN-BS(nursing)-MS**

1. BS Nursing;
2. GRE
3. 3.0 GPA;
4. RN Licensure;
5. 3 letters reference;
6. CV;
7. Professional Goals

**RN – BS/BS (non-nursing) – MS**

1. BS/BA (non-nursing);
2. GRE
3. 3.0 GPA;
4. RN Licensure;
5. 3 letters reference;
6. CV;
7. Profession Goals;
8. Successful completion of designated courses: Physical Exam, Community Health Nursing (theory & clinical), Research, & Statistics

**RN – MS**

1. RN Licensure;
2. Admission to the baccalaureate program;
3. completion of sixty (60) hours of general education requirements;
4. Successful completion of eighteen (18) hours of nursing baccalaureate coursework: Physical Exam, Community Health Nursing (theory & clinical), Research, Leadership/Management, Ed Transitions;
5. GRE
6. 3.0 GPA;
7. 3 letters reference;
8. CV;
9. Professional Goals

**DEGREE PROGRAM REQUIREMENTS**

The M.S. program in nursing requires completion of the credit hours required by the concentration. Academic advisors work with students to design both full-time and part-time program plans in the specialty areas. The curricula for all advanced practice concentrations include the following components: theory-research component, advanced practice component, and specialty core. Students must complete either a thesis or take the Capstone Course: Writing for Publication.

The Master's Program for advanced practice concentrations is organized in three curriculum components:

**1. Theory-Research Component** (15 credit hours)

- NGR 6121 Theoretical Basis of Advanced Practice Nursing (3)  
 NGR 6080 Family & Population-Based Health Promotion (3)  
 NGR 6800 Nursing Research (3)  
 NGR 6135 Ethical, Legal & Policy Issues in Advanced Nursing (3)  
 NGR 6971 Thesis (3) Or  
 NGR 6950 Capstone Course: Writing for Publication (3)

**2. Advanced Practice Component** (9 credit hours)

- NGR 6140 Pathophysiology for Advanced Practice (3)  
 NGR 6199 Pharmacology for Advanced Practice (3)  
 NGR 6001 Health Assessment in Advanced Practice (3)

**3. Specialty Cores****Primary Care Advanced Practice - Specialty Core**  
Specialty Core (23 -20 credits)

## Primary Care Concentrations:

- NGR 6205 Primary Care: Adolescent/Women (3)  
 NGR 6205L PC Practicum: Adolescent/Women (3)  
 NGR 6207 Primary Care: Adult (3)  
 NGR 6207L PC Practicum: Adult (3)  
 NGR 6305 Primary Care: Child (3)  
 NGR 6305L PC Practicum: Child (3)  
 NGR 6271 Adult Health Management (3)  
 NGR 6371 Child Health Management (3)

NGR 6700	Advance Practice Transitions	(2)
NGR 6700L	APN Transitions Practicum	(3)

**Oncology – Specialty Core**

NGR 6096	Oncology Nursing Concepts	(3)
NGR 6142	Pathobiology of Neoplasia	(3)
NGR 6207	Primary Care: Adult	(3)
NGR 6947L	Practicum I in Advanced Oncology Nursing	(3)
NGR 6948L	Practicum II in Advanced Oncology Nursing	(3)
NGR 6949L	Practicum III in Advanced Oncology Nursing	(3)
Electives		(3)

**Psych/Mental Health – Specialty Core**

NGR 6500	Theoretical Foundations for Advanced Psychiatric Nursing	(3)
NGR 6501	Psychopathology for Advanced Psychiatric Nursing	(3)
NGR 6502	Treatment Modalities for Advanced Psychiatric Nursing	(3)
NGR 6500L	Psychiatric ARNP Practicum: Psychiatric Care Outpatient	(3)
NGR 6501L	Psychiatric ARNP Practicum: Psychiatric Care Inpatient	(3)
NGR 6538	Psychopharmacology for Advanced Nursing Practice	(2)
NGR 6700	Advanced Practice Transitions	(2)
NGR 6700L	APN Transitions Practicum	(3)

**CHOICE**

Primary Care: Adult, Adolescents & Young Adult or Children (3)

**Clinical Nurse Leader in Nursing (Generalist Masters)**

NGR 6080	Family & Population-Based Health Promotion	(3)
NGR 6800	Nursing Research	(3)
NGR 6135	Ethical, Legal, and Policy Issues in Advanced Nursing Practice	(3)
NGR 6140	Pathophysiology for Advanced Practice	(3)
NGR 6199	Pharmacology for Advanced Practice	(3)
NGR 6001	Health Assessment in Advanced Practice	(3)
NGR 5635	Informatics in Nursing and Healthcare	(3)
NGR 6931	Epidemiology & Biostatistics for Nursing	(3)
NGR 6723	Applied Management in Nursing and Healthcare	(3)
NGR 6734	Healthcare Systems Leadership: Seminar	(2)
NGR 6734L	Healthcare Systems Leadership: Internship	(3)

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

**OTHER INFORMATION****PROGRESSION POLICY  
USF College of Nursing****Effective Fall 2004 and Applies To All Graduate Students (Current and New)**

Graduate students must earn the grade of B or higher (B minus is not acceptable) in each required course in their respective nursing program. Graduate students must also maintain an overall average of 3.0 (B) in order to be considered to be “in good standing.” Students also must meet any special conditions of their admissions. No grade below C will be accepted toward a graduate degree. All grades will be counted in computing the overall grade point average. Students must have an overall GPA of 3.0 at the completion of their respective program, or they will not be awarded a degree from the University of South Florida.

If a student earns a grade below a B in a required course, she/he must repeat the course. The course must be taken in the next semester that it is offered and the student must earn a B or higher. Any student, who earns below a B in two or more required courses or earns below a B in a required course twice, will be dismissed from the College. The Dean of the College of Nursing, or her designee (Associate Dean of Academic Affairs or the Associate Dean of Doctoral Studies), will notify students who are dismissed, in writing.

**Clinical Performance**

Patient safety and welfare are the most critical criteria of the clinical rotation. If at any time during the clinical rotation the student places the patient in an actual or potentially hazardous or unsafe situation or the faculty judges the student to be deficient in clinical competence for patient care responsibility, the student will fail the course regardless of previous clinical performance. Students who receive an unsatisfactory grade for their clinical performance may be dismissed from the program, regardless of academic standing in other classes.

**Human Research Conduct**

The protection of the rights of human subjects is the most critical criteria of any research study involving human subjects. If at any time during the conduction of a human subject study, a student violates the rights of the participants, the study will be stopped. Permission to continue with the study will be dependent upon an investigation by the University of South Florida Institutional Review Board, the student’s research advisor and the Dean of the College of Nursing.

**Progression Process**

Any student who is not in good standing at the end of a semester shall be placed on probation. The College may also place students on probation for other reasons as designated. The Associate Dean for Academic Affairs shall make notification of probation in writing to the

student, the student's program director, and the Student Affairs Committee. The student shall meet with their program coordinator to develop a Probation Plan detailing the plan for removal of probationary status. The Associate Dean for Academic Affairs shall approve the Plan. A copy of the approved Plan will be given to the student and their program coordinator; a written copy will also be placed in the student's academic record.

At the end of the probationary semester, the program coordinator shall review the student's progress and compliance with the Probationary Plan, and recommend to the Student Affairs Committee one of the three alternatives: (1) Removal of probation, (2) Continued probation and continuance of the Probation Plan, and (3) Dismissal from the degree program. The Student Affairs committee shall make a recommendation, in writing, to the Associate Dean for Academic Affairs. The Associate Dean shall notify the student in writing of their academic status.

The Dean of the Graduate School, upon recommendation by the Dean of the student's College, may dismiss the student from a degree-seeking status after one semester of probation. The inability of a Veteran Student to achieve a passing cumulative GPA after two semesters of probationary status will result in termination of benefits.

**Approved at March 2003 Faculty Council.**  
**Approved December 15, 2003 Graduate Council**

## NURSING SCIENCE PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	52-72
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active

<b>CIP Code:</b>	51.1608
<b>Dept Code:</b>	NUR
<b>Program (Major/College):</b>	NUS NR

#### CONTACT INFORMATION

<b>College:</b>	Nursing
<b>Department:</b>	
<b>Program Director:</b>	Mary Evans
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-974-9112
<b>Fax:</b>	813-974-5418
<b>Email</b>	<a href="mailto:mevans@health.usf.edu">mevans@health.usf.edu</a>
<b>Web Address:</b>	<a href="http://hsc.usf.edu/nocms/nursing/index.html">http://hsc.usf.edu/nocms/nursing/index.html</a>

##### Mailing Address:

University of South Florida  
Nursing  
Nursing Science Program  
12901 Bruce B Downs, MDC22  
Tampa, FL 33620

#### PROGRAM INFORMATION

Applications are reviewed as files are completed. Check published admission dates for a given semester.

The Ph.D. prepares scholars to 1) generate and disseminate knowledge through independent and/or collaborative efforts; 2) conduct intra/interdisciplinary research; (3) assume leadership roles in nursing education and practice; 4) influence the delivery of health care services, especially for high risk and medically underserved groups; and 5) educate future generations of nurses for health care delivery in the 21st Century through the use of innovative intra/interdisciplinary educational approaches.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### Major Research Areas:

Research opportunities include: Quality of Life/ End of Life; Heart Disease and Treatment; Women, Children, Families and Communities; Health and Services research, Interdisciplinary Mental Health, and Patient Safety.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

##### BS (Nursing) – Ph.D.

1. MS Nursing;
2. GRE: 550 Verbal; 550 Quantitative (suggested)
3. 3.0 GPA;
4. RN Licensure;
5. 3 letters reference;
6. CV;
7. Professional Goals;
8. Evidence of Commitment to Nursing Scholarship;
9. Potential;
10. Experience

##### M.S. (nursing) – Ph.D.

1. MS Nursing;
2. GRE: 550 Verbal; 550 Quantitative (suggested)
3. 3.0 GPA;
4. RN Licensure;
5. 3 letters reference;
6. CV;
7. Professional Goals;
8. Evidence of Commitment to Nursing Scholarship;
9. Potential;
10. Experience



**DEGREE PROGRAM REQUIREMENTS**

There are two programs of study that lead to the Ph.D. in Nursing.

**MS (Nursing) - Ph.D.**

A minimum of 60 hours post-master's is required. The program can be completed in three to four years by full-time students and five or more years for part-time students. Specific program requirements are determined on an individual basis by the student's supervisory committee.

**Knowledge Building Core (Required)**

NGR 7123	Theory Development in Nursing	(3)
NGR 7124	Advances in Nursing Science	(3)
NGR 7705	Academic Citizenship	(1)
NGR 7816	Research Designs and Methods in Nursing	(3)
NGR 6931	Statistics for Nursing Practice	(3)
NGR 7841	Statistical Methods in Nursing Research I	(3)
NGR 7842	Statistical Methods in Nursing Research II	(3)
NGR 7xxx	Statistical Methods in Nursing Research III	(3)
NGR 7815	Qualitative Methods in Nursing Research	(3)
NGR 7823	Psychometrics and Measurement for Nursing Research	(3)
NGR 7941	Nursing Research Pro Seminar	(3)
NGR 7911	Esthetics and Ethics in Nursing and Health Care	(3)
NGR 7912	Health Policy Issues in Nursing and Health Care	(3)

Satisfactory completion of the Knowledge Building Core required courses prepares students to successfully complete the dissertation research.

**Cognate (12-15 Credits)**

Students select a cognate area to further support the student's area of expertise in nursing and the research problem that will be addressed by the dissertation research. Examples of appropriate areas of study for the cognate might be organizational administration, health policy, physiology, cognitive psychology, organizational psychology, gerontology, epidemiology, biostatistics, administration, applied anthropology, educational measurement or a nursing specialty.

**Electives (3-6 Credits)** Students must complete 3-6 elective credits. Three credits must be in research methods.

**Qualifying Examinations:**

The qualifying examination is to be completed as soon as the majority of core and minor coursework is completed. The purpose of the qualifying examination is to assess the student's level of scholarship and research skills and to determine if the student possesses the critical and

analytical skills necessary to undertake the dissertation research.

Components of the qualifying examination for the College of Nursing

Written component: The written component of the qualifying examination consists of two parts:

- Completion and submission of a manuscript to a refereed journal for publication.
- Preparation and submission of a research grant application for funding to an appropriate agency.

Oral Examination Component: An oral examination component will be used to clarify and verify that the student has met the written components of the qualifying examination and will be used to formally admit the student to candidacy.

**Dissertation (12- 24 Credits)**

Students must complete and successfully defend a dissertation.

**B.S. (Nursing) -Ph.D.**

A minimum of 96 hours post-baccalaureate is required. The program is designed as a full-time four-year course of study.

**Knowledge Building Core (Required)**

NGR 6800	Nursing Research	(3)
NGR 6121	Theoretical Basis of Advanced Practice Nursing	(3)
NGR 6140	Pathophysiology for Advanced Practice Nursing	(3)
NGR 6001	Health Assessment for Advanced Practice	(3)
NGR 6199	Pharmacology for Advanced Nursing Practice	(3)
NGR 6931	Statistics for Nursing Practice	(3)
NGR 6950	Capstone: Writing for Publication	(3)
NGR 7124	Advances in Nursing Science	(3)
NGR 7816	Research Designs and Methods in Nursing	(3)
NGR 7841	Statistical Methods in Nursing Research I	(3)
NGR 7842	Statistical Methods in Nursing Research II	(3)
NGR 7xxx	Statistical Methods in Nursing Research III	(3)
NGR 7815	Qualitative Methods in Nursing Research	(3)
NGR 7941	Nursing Research Pro Seminar	(3)
NGR 7123	Theory Development in Nursing	(3)
NGR 7823	Psychometrics and Measurement for Nursing Research	(3)
NGR 7911	Esthetics and Ethics in Nursing and Health Care	(3)
NGR 7912	Health Policy Issues in Nursing and Health Care	(3)
NGR 7915	Directed Research	(3)
NGR 7705	Academic Citizenship in Nursing	(1)
NGR 6710	Principles of Nursing Education	(3)

NGR 6822	Measurement for Nursing Education and Research	(3)
NGR 6791	Academic Nursing Practicum	(3)

**Nursing Specialty (CHOICE) – 12 Credits**

Psychiatric Mental Health  
 Adult Health  
 Child Health  
 Community/Public Health  
 Oncology  
 Informatics  
 Health Systems Leadership

**Cognate 12-15 Credits**

Students select a cognate area of study to further support the student's area of expertise in nursing and the research problem that will be addressed by the dissertation research. Examples of appropriate areas of study for the minor might be organizational administration, health policy, physiology, cognitive psychology, organizational psychology, gerontology, epidemiology, biostatistics, administration, applied anthropology, educational measurement or a nursing specialty.

**Electives** (3-6 Credit Hours) Students must complete 3-6 elective credits. Three credits must be in research methods.

**Qualifying Examinations:**

The qualifying examination is to be completed as soon as the majority of core and minor coursework is completed. The purpose of the qualifying examination is to assess the student's level of scholarship and research skills and to determine if the student possesses the critical and analytical skills necessary to undertake the dissertation research.

Components of the qualifying examination for the College of Nursing

Written component: The written component of the qualifying examination consists of two parts:

- a. Completion and submission of a manuscript to a refereed journal for publication.
- b. Preparation and submission of a research grant application for funding to an appropriate agency.

Oral Examination Component: An oral examination component will be used to clarify and verify that the student has met the written components of the qualifying examination and will be used to formally admit the student to candidacy.

**Dissertation 12- 24 Credits**

Students complete and successfully defend a dissertation.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## NURSING SCIENCE PROGRAM

### Doctor of Nursing Practice (D.N.P.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	52-72
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active

<b>CIP Code:</b>	51.1608
<b>Dept Code:</b>	NUR
<b>Program (Major/College):</b>	NUS NR

#### CONTACT INFORMATION

<b>College:</b>	Nursing
<b>Department:</b>	
<b>Program Director:</b>	Mary Evans
<b>Other Contact:</b>	Cecile Lengacher
<b>Phone:</b>	813-974-9112
<b>Fax:</b>	813-974-5418
<b>Email</b>	<a href="mailto:mwebb@health.usf.edu">mwebb@health.usf.edu</a>
<b>Web Address:</b>	<a href="http://hsc.usf.edu/nocms/nursing/index.html">http://hsc.usf.edu/nocms/nursing/index.html</a>

##### Mailing Address:

University of South Florida  
Nursing  
Nursing Science Program  
12901 Bruce B Downs, MDC22  
Tampa, FL 33620

#### PROGRAM INFORMATION

Applications are reviewed as files are completed. Check published admission dates for a given semester.

The DNP program prepares the graduate for the highest level of advanced nursing practice with individuals or populations. Advanced practice includes any form of nursing intervention that influences health care outcomes, including the direct care of patients, management of care for individuals and populations, administration for nursing and health care organizations, and the development of health policy.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### Concentrations:

Direct Care:
Acute Care Nursing (NAC)
Adult Health Nursing (NAH)
Child Health Nursing (NCH)
Family Health Nursing (MFH)
Gerontological Nursing (NGE)
Health Systems Information (NHI)
Occupational Health Nursing (NOH)
Oncology Nursing (NON)
Psychiatric-Mental Health Nursing (NPM)
Indirect Care:
Clinical Nurse Leader (NCL)
Health Systems Information (NHI)
Nursing Education (NED)

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

##### BS (Nursing) – DNP

1. BS Nursing;
2. GRE: 550 Verbal; 550 Quantitative (suggested)
3. 3.0 GPA;
4. RN Licensure;
5. 3 letters reference;
6. CV;
7. Professional Goals;
8. Evidence of Commitment to Nursing Scholarship;
9. Potential;
10. Experience

##### M.S. (nursing) – Ph.D.

1. MS Nursing;
2. GRE: 550 Verbal; 550 Quantitative (suggested)
3. 3.0 GPA;
4. RN/ARNP Licensure;
5. 3 letters reference;
6. CV;
7. Professional Goals;
8. Evidence of Commitment to Nursing Scholarship;
9. Potential;
10. Experience

**DEGREE PROGRAM REQUIREMENTS**

There are two programs of study that lead to the DNP in Nursing.

**MS (Nursing) - Ph.D.**

A minimum of 52 hours post-master's is required. The program can be completed in two to three years by full-time students and five or more years for part-time students. Specific program requirements are determined on an individual basis by the student's supervisory committee.

**Knowledge Building Core (Required)**

NGR 5871	Informatics in Nursing and Healthcare	(3)
PHC 6000	Epidemiology	(3)
NGR 6931	Statistics for Nursing Practice	(3)
NGR 6950	Capstone: Writing for Publication	(3)
NGR 7xxx	Evidence Based Practice	(3)
NGR 7xxx	Pathophysiology for Advanced Practice II	(3)
NGR 7xxx	DNP Practice in Health Care Systems	(3)
NGR 7xxx	Leadership & System Analysis	(3)
NGR 7911	Esthetics and Ethics in Nursing and Health Care	(3)
NGR 7912	Health Policy Issues in Nursing and Health Care	(3)

**Direct Concentration**

NGR 7xxx	Advanced Health Assessment II	(3)
NGR 7xxx	Pharmacotherapeutics	(3)
NGR 7xxx	Diagnostic Reasoning	(3)
NGR 7xxx	Advanced Practice Procedures	(3)

Electives

**Indirect Concentration**

NGR 6822	Measurement for Nursing Education and Research	(3)
NGR 6702	Foundations of Nursing Education	(3)
NGR 6710	Teaching/Learning Principles of Nursing Education	(3)
EDH 7725	Curriculum Development in Higher Education	(3)

Electives

**Residency**

NGR 7xxx	Research Project in Advanced Practice	(4)
NGR 7xxx	DNP Residency	(6)

**B.S. (Nursing) - DNP**

Currently all student must first complete a master's degree in nursing before enrolling in the DNP program.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>



## Section 23

### College of Public Health

University of South Florida  
College of Public Health  
13201 Bruce B. Downs Blvd MDC56  
Tampa, FL 33612

**Web address:** <http://www.publichealth.usf.edu>

**Email:** [advisor@health.usf.edu](mailto:advisor@health.usf.edu)

**Phone:** 813-974-7390

**Fax:** 813-974-8121

**College Dean:** Donna Petersen

**Associate Dean:** Karen Liller

**Graduate Coordinator:** Karen Liller

#### Accreditation:

The Commission on Colleges of the Southern Association of College and Schools. The College is fully accredited by the Council on Education for Public Health and the MSPH in Industrial Hygiene is accredited by the Accreditation Commission of the Accreditation Board for Engineering and Technology.

#### Mission Statement:

The College of Public Health's mission is to promote public health through research, education and service. Goals include building strong focused research programs that reward and encourage scholarship and creative activities, continual improvement of academic programs and student centered learning, a college culture that supports our mission, vision, and values, a strong sustainable infrastructure, and active service and meaningful community engagement.

The base of knowledge for public health comes from a variety of disciplines, ranging from social sciences to biological sciences and business, brought together by a commitment to improve the public's health. Thus, the field is open to students from diverse academic disciplines including Health Sciences, Education, Business, Communication,

Mathematics, Social and Natural Sciences. Graduates are prepared for interdisciplinary focused public health careers as administrators, managers, educators, researchers, and direct service providers.

The College's five departments are: Community and Family Health, Environmental and Occupational Health, Epidemiology and Biostatistics, Global Health, and Health Policy and Management. The program in Public Health Practice is College-wide.

Core content is directly related to addressing and meeting public health issues. Off campus or alternate calendar programs may reflect additional offerings to meet specific needs. The College accommodates the working professional as well as the full-time student by offering late afternoon and evening classes, online delivery of courses and graduate certificates, and a executive MPH for experienced health professionals.

The College hosts several College and Departmental based centers that augment the learning opportunities for students, including the Center for Biological Defense, Center for Leadership in Public Health Practice, Center for Positive Health, the Florida Health Information Center, the Global Center for Disaster Management and Humanitarian Action, The James and Jennifer Harrell Center for the Study of Family Violence, the Lawton and Rhea Chiles Center for Healthy Mothers and Babies, and the Florida Prevention Research Center.

#### Major Research Areas:

Faculty major research areas are quite varied and may be viewed on-line at

<http://publichealth.usf.edu/facultyaffaris.facultyprofile.html>

**Degrees Offered:**

Master of Health Administration (MHA)  
 Master of Public Health (MPH)  
 Master of Science in Public Health (MSPH)  
 Doctor of Philosophy (Ph.D.)

**Name of Programs Offered:**

Health Administration - MHA  
 Public Health - MPH, MSPH, Ph.D.

**Dual Degrees Offered:**

Public Health and Anthropology (MPH/MA or Ph.D.)  
 Public Health and Medicine (MPH/M.D.) for already enrolled USF College of Medicine students.  
 Public Health and Social Work (MPH/MSW)  
 Public Health (Occupational Health) and Nursing/Adult Nurse Practitioner (MPH/MS)  
 Public Health and Biochemistry/Molecular Biology (MPH/Ph.D.)  
 Public Health and Physical Therapy (DPT/MPH)

**Concentrations available in\*:**

Accelerated Health Education (MPH)  
 Behavioral Health (MPH, MSPH, Ph.D.)  
 Bioinformatics (MSPH)  
 Biostatistics (MPH, MSPH, Ph.D.)  
 Community and Family Health (Ph.D.) (*Focus Areas Include: Behavioral Health, Maternal and Child Health, Health Education, Socio-health Sciences*)  
 Environmental and Occupational Health (Ph.D.)  
 Environmental Health (MPH, MSPH, Ph.D.)  
 Epidemiology (MPH, MSPH, Ph.D.)  
 Epidemiology and Biostatistics (MPH)  
 Executive Program for Health Professionals (MPH)  
 Executive Program for MBA Physicians (MPH)- (Not Active)  
 Global Health Informatics (MPH)  
 Global Health Practice (MPH)<sup>1</sup>  
 Global Communicable Disease (MPH, MSPH, Ph.D.)  
 Health Care Organizations and Management (MPH-- the MSPH and Ph.D are inactive at this time)  
 Health Policies and Programs (MPH--the MSPH and Ph.D. are inactive at this time)  
 Health Policy and Management (MSPH, Ph.D.)  
 Industrial Hygiene (MSPH, Ph.D.)  
 International Health Management (MPH, MSPH, Ph.D.)  
 Maternal and Child Health (MPH, MSPH, Ph.D.)  
 Occupational Health (MPH<sup>2</sup>, MSPH<sup>3</sup>)

<sup>1</sup>Master's International Peace Corps Program available

Occupational Health for Health Professionals (Ph.D.)-not active  
 Occupational Medicine Residency (MPH, MSPH)  
 Public Health Education (MPH<sup>4</sup>, MSPH, Ph.D.)  
 Public Health Practice Program (MPH<sup>5,6</sup>)  
 Safety Management (MPH)  
 Socio-Health Sciences (MPH, MSPH, Ph.D.)  
 Toxicology and Risk Assessment (MPH, MSPH, Ph.D.)

**Dual Concentration Offered:**

Epidemiology and Biostatistics

**Graduate Certificates Offered:**

For the most current list go to:

<http://www.outreach.usf.edu/gradcerts/>

Clinical Epidemiology  
 Disaster Management\*  
 Infection Control  
 Health Management and Leadership  
 Safety Management  
 Social Marketing  
 Violence and Injury: Prevention and Intervention  
 Interdisciplinary Women's Health  
 Public Health Generalist\*  
 Humanitarian Assistance\*  
 Public Health Policy and Programs\*

\*fully on-line

**COLLEGE REQUIREMENTS****Attendance Policy**

It is the policy of the College of Public Health that a student will not be automatically dropped if they do not attend the first class of each semester for graduate classes only. However, it is the responsibility of the student to notify the course instructor if they cannot attend the first class.

**Degree Requirements:** a detailed description of each degree and its requirements can be found on the website listed.

**Master of Health Administration (MHA):**

<http://publichealth.usf.edu/mha.html>

All MHA students are required to successfully complete a total of 54 credits plus field experience:

<sup>2</sup> Only available to dual M.S. Adult Nursing students

<sup>3</sup> Only for health professionals

<sup>4</sup> Accelerated entry program available

<sup>5</sup> Requires 3 years of health-related experience

<sup>6</sup> Offered (1) executive program and (2) online

- Five college core courses - 15 credits: Biostatistics I, Epidemiology, Principles of Health Policy and Management; Environmental and Occupational Health, and Social and Behavioral Sciences Applied to Health
- Management and policy courses - 21 credits
- Finance, Economic and Quantitative Courses - 16 credits
- Health Plans – 3 credits
- Capstone Course - 2 (substitutes for comprehensive examination)
- Field Experience - 1 - 6 credits
- Special Projects - 3 credits

#### **Master of Public Health (MPH):**

<http://publichealth.usf.edu/mph.html>

All MPH students are required to successfully complete a minimum of 39 credits plus field experience:

- Five college core courses - 15 credits: Biostatistics I, Epidemiology, Principles of Health Policy and Management; Environmental and Occupational Health, and Social and Behavioral Sciences Applied to Health
- Concentration courses in specialty areas - 12 credit minimum, depending on department requirements
- Comprehensive Exam and/or capstone course
- Field Experience - 1 - 12 credits
- Special Projects - 3 credits
- Electives (variable)

#### **Master of Science in Public Health (MSPH):**

<http://publichealth.usf.edu/msph.html>

All MSPH students are required to successfully complete a minimum of 40 credits:

- 9 credits of college core courses including Biostatistics I and Epidemiology, plus one other core courses approved by the academic advisor
- Biostatistics II
- Courses in specialty areas as designated by advisory committee - 12 credits minimum
- Research Methods as determined by advisory committee
- Comprehensive Exam/Capstone Course
- Thesis for a minimum of 6 credits
- Electives (variable)

#### **Doctor of Philosophy (Ph.D.):**

<http://publichealth.usf.edu/phd.html>

The Doctor of Philosophy (Ph.D.) is granted in recognition of high attainment in a specified field of knowledge. It is a research degree and is not conferred solely upon the earning of credit or the completion of courses. It is granted after the student has shown proficiency and distinctive achievement in the specific field, has demonstrated the ability to do original, independent investigation, and has presented these findings with a high degree of literacy skills in a dissertation. This degree requires a minimum of 90 credits beyond the baccalaureate degree. Doctoral programs leading to Ph.D. are offered in all five departments and the five core areas of public health. Students have an opportunity to specialize within their department.

The following is an excerpted from the COPH Catalog and is located at

<http://publichealth.usf.edu/phd.html>

Each department has written specific guidelines. Students and their major advisor jointly create a written plan to meet these competencies via plan of study, research experience, departmental and professional activities, and other appropriate methods.

#### **Ph.D. Course of Study**

The student's course of study will include the following:

#### **Prerequisites:**

A minimum of Biostatistics I, Epidemiology, and one other selected college core courses are required by all students who do not have a master's degree in public health. The doctoral committee or the department may require other prerequisites. These courses are not included in the minimum number of hours a student needs to complete the Ph.D. and are expected to be completed early in the course of study.

#### **Required Coursework:**

The courses and number of credit hours required are defined by the department and the doctoral committee and include coursework from another department or college. There must be minimum of 13 credits at the 7000 level. Generally, the doctoral degree requires a minimum of 90 credits beyond the bachelor's degree. Departments determine the number of credits accepted from previous master(s) degree. All doctoral students take a one credit Advanced Interdisciplinary Seminar in Public

Health (PHC 7931) during the fall semester of their first year of studies.

#### **Tools of Research:**

Departmental Guidelines will address whether they are required for doctoral students within that department (consistency within the department required). The student must complete a minimum of two of the "Tools of Research" options designated by the department, and approved by the doctoral committee before the student is eligible to take the doctoral qualifying examination.

#### **Teaching:**

All doctoral students will demonstrate or document proficiency in teaching academic courses at the university level.

#### **Qualifying Exam:**

When all required coursework is satisfactorily completed (including tools of research and prerequisites), the student must pass a written comprehensive qualifying examination covering the subject matter in the major and related fields.

#### **Dissertation:**

All students must follow the University's "Guidelines for Dissertations and Theses."

### **OTHER INFORMATION**

#### **Comprehensive Examination (MHA, MPH, MSPH)**

The Comprehensive Examination is a requirement for all students seeking an MPH or MSPH degree in the College of Public Health. (A capstone course substitutes for the comprehensive examination for the MHA degree.)

The comprehensive examination will focus on the student's concentration and the core public health courses. Each department has detailed written guidelines which are listed on department websites. Additional information may be found at <http://publichealth.usf.edu/pdf/Academic%20Policies.pdf>. Some departments in the college have elected to discontinue their concentration comprehensive exams. Please consult individual departments for information.

#### **Field Experience**

All students in the MHA, MPH, and the MSPH in Public Health with a concentration in Industrial Hygiene are required to complete a field experience

varies. The type and length of the field experience. Each department has written guidelines and a field experience website is available to assist students in this portion of their program at <http://publichealth.usf.edu/academicaffairs/fe/>

#### **Special Project**

The special project is an in-depth study of a selected issue in public health. A topic will be selected according to student's needs and interests.

#### **Thesis (MSPH)**

MSPH students MUST complete a Thesis.

#### **Graduate Assistantships**

Graduate assistants may perform research, teaching functions, assist in the production of seminars and workshops, or other work related to their specific disciplines. Graduate assistants are paid a biweekly stipend and may qualify to receive in-state tuition waivers. Assistantships are awarded on a competitive basis. Students must have a GPA of 3.0 or better in their upper division coursework, must be degree-seeking and enrolled full time. Additional information may be found at

<http://publichealth.usf.edu/financial.html>

All positions are posted at

<http://publichealth.usf.edu/jobpostings.html>

#### **Scholarships and Aid**

Sources of aid are limited to degree-seeking students only and include the following which are detailed at

<http://www.publichealth.usf.edu/FinAid.html>:

several named fellowships and scholarships, Florida Environmental Health Association Scholarship, Florida Public Health Association Scholarship, MCH Epidemiology Traineeships, among others.

**Certificate Programs:** (for information click on the graduate certificates at

<http://www.outreach.usf.edu/gradcerts/>)

Clinical Epidemiology

Public Health Generalist\*

Humanitarian Assistance\*

Public Health Policy and Programs\*

Disaster Management\*

Health Management and Leadership

Safety Management

Infection Control

Social Marketing

Violence and Injury: Prevention and Intervention

Interdisciplinary Women's Health

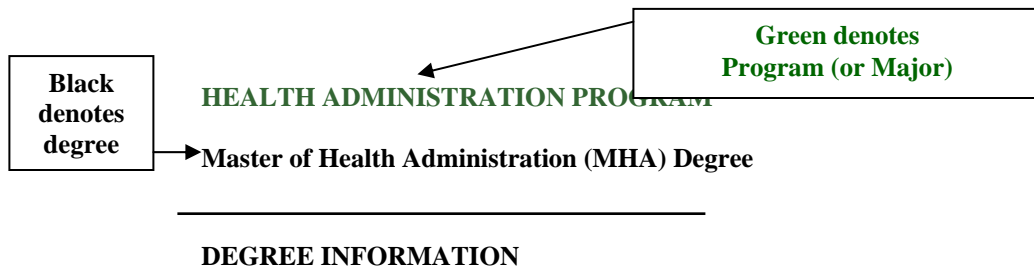
\*fully on-line



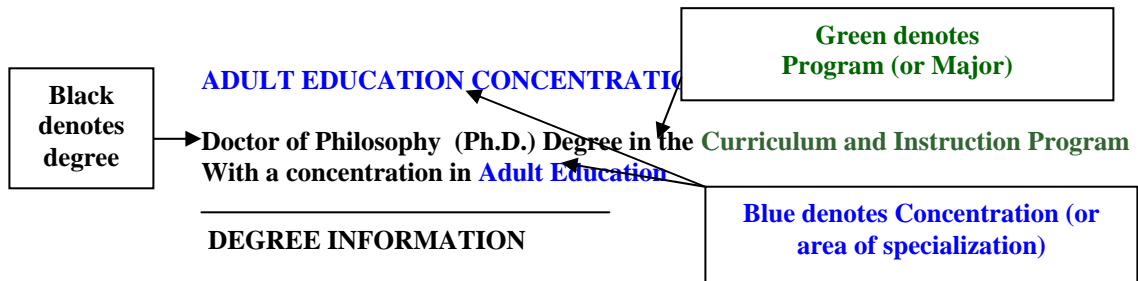
## About the Catalog

The University of South Florida Graduate Catalog is organized with the degree programs offered listed in the section of the college that offers them. For example, the Master of Science degree with a “program” (also known as major) in Biology is listed in the College of Arts and Sciences section. Some colleges offer areas of specialization, or “concentrations” within a degree program.

### EXAMPLE OF PROGRAM PAGE



### EXAMPLE OF CONCENTRATION PAGE



The name of the program and/or concentration does not appear on the diploma – only the name of the degree (i.e., Master of Arts) is listed. The program and concentration information is listed on the official transcript. Other areas, such as application track, are not listed on the transcript.

## HEALTH ADMINISTRATION PROGRAM

### Master of Health Administration (MHA) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

Public Health has rolling admissions and no set deadline. A minimum of 6 weeks is necessary after a completed application is received in order for the application to be fully processed.

**Minimum Total Hours:** 54  
**Program Level:** Masters  
**Program Status:** Active

**CIP Code:** 51.0701  
**Dept Code:** DEA  
**Program (Major/College):** MHA PH

#### CONTACT INFORMATION

**College:** Public Health  
**Department:**  
**Program Director:** Barbara Orban  
**Other Contact:** Office of Academic Affairs  
**Phone:** 813-974-6505  
**Fax:** 813-974-8121  
**Email:** [advisor@health.usf.edu](mailto:advisor@health.usf.edu)  
**Web Address:**  
<http://www.publichealth.usf.edu/mha.html>

**Mailing Address:**  
 University of South Florida  
 MHA Program  
 College of Public Health  
 13201 Bruce B. Downs Blvd., MDC056  
 Tampa, FL 33612

---

#### PROGRAM INFORMATION

The MHA program prepares students for private and public sector leadership positions. In addition to the five core areas of public health, the curriculum helps students develop skills and knowledge in basic business disciplines with application to health services; a clinical and community perspective and professional skills. Students develop an understanding of organizational models and management principles applied to health settings; health care financial management and economics; quality and performance improvement; health policy and policy analysis; strategic planning and marketing; and health law and ethics.

Master of Health Administration graduates will be able to:

- ❖ Assess the health care system in the United States, including the role of the public health disciplines;
- ❖ Demonstrate ability to use analytic and decision-making skills in accounting, finance, health economics, quantitative methods, and policy analysis;
- ❖ Apply management, leadership and performance improvement theories and principles in solving related health services problems;
- ❖ Analyze ethical issues and implications of cultural diversity in health policy and management;

- ❖ Demonstrate ability to utilize knowledge of information systems, health law, strategic planning, and marketing to advance health services delivery and outcomes;
- ❖ Develop interpersonal and communication skills; and
- ❖ Apply critical thinking skills and knowledge to health management cases and to a health care or related organization.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools. The College is fully accredited by the Council on Education in Public Health.

**Major Research Areas:**

Health care financial management, Health economics, Quantitative methods in health services, Health insurance, Health law, Quality management, Performance improvement, Community health assessment, Organizational theory and behavior applied to health settings, Health information management, Health policy, and Strategic planning.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

Meeting these criteria per se shall not be the only basis for admission.

- 1) Public health course prerequisites:
  - a) College requires HSC 4554 Survey of Human Diseases or comparable course for students who do not have public health or biology courses or experience.
  - b) Suggested/preferred undergraduate majors: Life sciences, social sciences, business, or health professions.
  - c) Prerequisite undergraduate courses: Micro-economics.
- 2) Work experience: Preferred, but not required.
- 3) Minimum undergrad GPA: 3.0 upper division (some exceptions made if GRE exceeds 1000).
- 4) Verbal GRE Score: 500 minimum
- 5) Quantitative GRE Score: 500 minimum
- 6) In lieu of the GRE, only applicants to the Department of Health Policy and Management may submit a minimum GMAT score of 500 for the MPH, MSPH and MHA.
- 7) An MCAT score may be submitted in lieu of the GRE. A mean of 8 is required.

**DEGREE PROGRAM REQUIREMENTS****Curriculum or Plan of Study****Management and Policy (21)**

PHC 6102	Principles of Health Policy and Management	(3)
PHC 6180	Health Services Management	(3)
PHC 6420	Health Care Law, Regulation and Ethics	(3)
PHC 6148	Strategic Planning and Healthcare Marketing	(3)
PHC 6181	Organizational Behavior in Health Services	(3)
PHC 6196	Information Systems in Health Care Management	(3)

PHC 6151 Health Policy and Politics (3)

**Finance, Economics and Quantitative (16)**

ACG 6025	Financial Accounting for Managers	(2)
ACG 6075	Management Accounting and Control	(2)
PHC 6430	Health Economics I	(3)
PHC 6050	Biostatistics I	(3)
PHC 6161	Health Care Financial Applications	(3)
PHC 6191	Quantitative Analysis in Health Care Management	(3)

**Health Plans Elective (choose one) (3)**

PHC 6435	Economics of Health Insurance	(3)
PHC 6158	Managed Care	(3)

**Health and Communities (9)**

PHC 6000	Epidemiology	(3)
PHC 6357	Environmental and Occupational Health	(3)
PHC 6410	Social and Behavioral Sciences Applied to Health	(3)

**Culminating Experiences**

PHC 6945 Supervised Field Experience

- Students with little or no professional experience: 3 hours minimum;
- Students with relevant professional experience: 1-3 hours minimum;
- Students with substantial work experience can negotiate a reduced number of hours with their advisor (e.g., 1 or 2 hours) if the student has meaningful experience (involving decision-making) in a health care or related organization

PHC 6977 Special Project (3)

PHC 6183 Advanced Seminar in Health Care Management (2)  
*(Case-based capstone course that includes the final comprehensive exam)*

Total credits: 54 plus field experience

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## PUBLIC HEALTH PROGRAM

### Master of Public Health (MPH) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

Public Health has rolling admissions and no set deadline. A minimum of 6 weeks is necessary after a completed application is received in order for the application to be fully processed.

**Minimum Total Hours:** 39  
**Program Level:** Masters  
**Program Status:** Active

**CIP Code:** 51.2201  
**Dept Code:** DEA  
**Program (Major/College):** MPH PH

##### Concentrations available in:

See list below in Program Information. Detailed descriptions are available at:

[http://publichealth.usf.edu/programs\\_offered.html](http://publichealth.usf.edu/programs_offered.html)

##### Dual Degrees Offered:

See list below in Program Information.

#### PROGRAM INFORMATION

##### Concentrations available in:

Accelerated Health Education (AHE)  
 Behavioral Health (BHH)  
 Biostatistics (BST)  
 Environmental Health (EVH)  
 Epidemiology (EPY)  
 Epidemiology and Biostatistics (PEB)  
 Executive Program for Health Professionals (EPH)  
 Executive Program for MBA Physicians (EPP) - **Not Active**  
 Global Communicable Diseases (TCD)  
 Global Health Practice (GLO)  
 Global Health Informatics (GHI)  
 Health Care Organizations and Management (HCO)  
 Health Policies and Programs (HPP)  
 International Health Management (IPM) **Not Active**  
 Maternal and Child Health (PMC)  
 Occupational Health (OCC)<sup>7</sup>  
 Occupational Medicine Residency (OMR)-Not Active  
 Public Health Education(PHN)<sup>8</sup>  
 Public Health Practice(PHO, PHP)<sup>9,10</sup>

<sup>7</sup> Only available to dual MS Adult Nursing Students

<sup>8</sup> Accelerated entry program available

<sup>9</sup> Requires 3 years of health-related experience

<sup>10</sup> Offered (1) executive program and (2) online

#### CONTACT INFORMATION

**College:** Public Health  
**Department:**  
**Program Director:** Karen Liller or Kay Perrin  
**Other Contact:** Office of Academic Affairs  
**Phone:** 813-974-6505  
**Fax:** 813-974-8121  
**Email:** [advisor@health.usf.edu](mailto:advisor@health.usf.edu)  
**Web Address:** [www.publichealth.usf.edu](http://www.publichealth.usf.edu)

##### Mailing Address:

University of South Florida  
 College of Public Health  
 13201 Bruce B. Downs Boulevard, MDC056  
 Tampa, FL 33612

Safety Management (SFM)  
 Socio-Health Sciences (SHS)  
 Toxicology and Risk Assessment (TXY)

##### Dual Degrees Offered:

Public Health and Anthropology (MPH with MA or Ph.D.) offered in the following concentrations:

- Epidemiology
- Global Health
- Environmental Health
- Global Communicable Disease
- Public Health Education
- Maternal and Child Health
- Health Care Organizations and Management
- Global Health

Public Health and Medicine (MPH / M.D.) for already enrolled USF College of Medicine Students

Public Health and Physical Therapy (DPT/MPH)

- Designated for students in the DPT program in the School of Physical Therapy-MPH availability collegewide

Public Health and Social Work (MPH / MSW)

- Behavioral Health
- Maternal and Child Health

Public Health (Occupational Health) and Nursing / Adult Nurse Practitioner (MPH / MS)

Public Health and Biochemistry / Molecular Biology (MPH / Ph.D.) offered in the following concentrations:

- Epidemiology
- Environmental Health
- Toxicology and Risk Assessment
- Global Communicable Disease

#### **Program Information**

The base of knowledge for public health comes from a variety of disciplines, ranging from social sciences to biological sciences and business, brought together by a commitment to improve the public's health. Thus, the field of public health is broad and is open to students from diverse academic disciplines including Health Sciences, Education, Engineering, Business, Communications, Mathematics, Social Sciences and Natural Sciences. Graduates are prepared for interdisciplinary focused public health professional careers as administrators, managers, educators, researchers, and direct service providers.

The College's five departments are: Community and Family Health, Environmental and Occupational Health, Epidemiology and Biostatistics, Global Health, and Health Policy and Management. In addition, Public Health Practice is a college-wide program.

Core content is directly related to addressing and meeting public health issues.

The College accommodates the working professional as well as the full-time student by offering late afternoon and evening classes, online course delivery, partnerships with international schools to expand options, a variety of graduate certificates, and a professional MPH for experienced Health Care professionals.

#### **Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools. The College is fully accredited by the Council on Education in Public Health and the Accreditation Board for Engineering and Technology.

#### **Major Research Areas:**

Faculty major research areas are listed at:  
<http://publichealth.usf.edu/facultyaffairs/facultyprofile.html>

#### **Community and Family Health**

<http://publichealth.usf.edu/cfh/>  
 Adolescent health risk taking behavior, Community-based prevention marketing, Reproductive and women's health, Health literacy, Health issues of developing countries, Family violence, Injury control and prevention, Social determinants of health, Aging and public health.

#### **Environmental and Occupational Health**

<http://publichealth.usf.edu/eoh/>

Environmental and occupational toxicology and health risk assessment, Ergonomics and occupational heat stress, Occupational and environmental lung disease, inflammation and asthma, Environmental pollution assessment and modeling, bio-monitoring and management.

#### **Epidemiology and Biostatistics**

<http://publichealth.usf.edu/epb/>

Epidemiology of dementia and Alzheimer's disease, Aging and occupational epidemiology, Cardiovascular disease epidemiology, Social epidemiology and public health geography, Cross-cultural studies, Cancer epidemiology, Perinatal epidemiology, Sleep disorders, Injury epidemiology, Osteoporosis and falls in aging population, Infectious disease epidemiology, Epidemiology of HIV/AIDS, Prevention science and prevention methodology, including design and analysis of preventive field trials, Prevention of conduct disorder and aggression, depression, and suicide and drug use/abuse, Analysis of behavior observation data, Multi-level and mixture modeling, Environmental statistics, Health outcome evaluation and medical surveillance, Detection of bioterrorism, Small area estimation, Missing data methods, Growth curve modeling, Risk assessment, and Bayesian inference.

#### **Global Health**

<http://publichealth.usf.edu/gh/>

Surveillance of intestinal parasitic infections; Realtime syndromic surveillance of bioterrorist event; Biosafety of bloodborne pathogens; Serology of arboviruses; pathophysiology of arboviral infections; Health promotion against violence; Health promotion and education in HIV/AIDS; Surveillance of waterborne infections; Development of solar latrines for helminth eradication; Ecodynamics and environmental impact on health.

#### **Health Policy and Management**

<http://publichealth.usf.edu/hpm/>

Health care financial management, Health economics, Quantitative methods in health services, Health insurance, Health law, Quality management, Performance improvement, Community health assessment, Organizational theory and behavior applied to health settings, Health information management, Health policy, and Strategic planning.

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

All Applicants must take the Graduate Record Exam (except as noted below) or an equivalent taken within five years preceding application unless noted as exceptions and must meet the following criteria:

1. shall have earned an undergraduate degree from an accredited institution;
2. shall have earned a "B" average (3.0 on a 4 point scale) or better in all work attempted while registered as an upper division student working toward a baccalaureate degree; OR
3. shall have a minimum Verbal Graduate Record Exam (GRE) General test score of 450 and a minimum Quantitative Graduate Record Exam (GRE) test score of 550;
4. In lieu of the GRE, only applicants to the Department of Health Policy and Management may submit a minimum GMAT score of 500 for the MPH, MSPH and MHA.
5. An MCAT score may be submitted in lieu of the GRE. A mean of 8 is required.

Meeting of these criteria per se shall not be the only basis for admission.

**DEGREE PROGRAM REQUIREMENTS****Master of Public Health (MPH):**

<http://publichealth.usf.edu/mph.html>

All MPH students are required to successfully complete a minimum of 39 credits plus field experience:

- Five college core courses - 15 credits:  
Biostatistics I, Epidemiology, Principles of Health Policy and Management; Environmental and Occupational Health, and Social and Behavioral Sciences Applied to Health
- Concentration courses in specialty areas - 12 credit minimum, depending on department requirements
- Comprehensive Exam and/or capstone course
- Field Experience - 1 - 12 credits
- Special Projects - 3 credits
- Electives (variable)

For information on program requirements, refer to the college website: [www.publichealth.usf.edu](http://www.publichealth.usf.edu)

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

**OTHER INFORMATION**

**Certificate Programs:** (for information click on the graduate certificates at

<http://www.outreach.usf.edu/gradcerts/>)

Clinical Epidemiology  
Disaster Management  
Health Management and Leadership  
Safety Management

## PUBLIC HEALTH PROGRAM

### Master of Science in Public Health (MSPH) Degree

#### DEGREE INFORMATION

**Program Admission Deadlines:**

Public Health has rolling admissions and no set deadline. A minimum of 6 weeks is necessary after a completed application is received in order for the application to be fully processed.

**Minimum Total Hours:** 39  
**Program Level:** Masters  
**Program Status:** Active

**CIP Code:** 51.2201  
**Dept Code:** DEA  
**Program (Major/College):** MSP PH

**Concentrations available in:**

See list below in Program Information. Detailed descriptions are available at:

[http://publichealth.usf.edu/programs\\_offered.html](http://publichealth.usf.edu/programs_offered.html)

**Dual Degrees Offered:**

See list below in Program Information.

#### PROGRAM INFORMATION

**Concentrations available in:**

Behavioral Health (PBH)  
 Bioinformatics (PBF)  
 Biostatistics (PBC)  
 Environmental Health (PEH)  
 Epidemiology (PEY)  
 Global Communicable Disease (PGD)  
 Health Care Organizations and Management- (PHM)-Not Active  
 Health Policies and Programs (PPP)-Not Active  
 Industrial Hygiene (PIH)  
 International Health Management (PIM) **Not Active**  
 Maternal and Child Health (PMH)  
 Occupational Health for Health Professionals (POH)<sup>11</sup>  
 Occupational Medicine Residency (POM)  
 Public Health Education (PPD)  
 Socio-Health Sciences (PSH)  
 Toxicology and Risk Assessment (PTX)

**Program Information**

The base of knowledge for public health comes from a variety of disciplines, ranging from social sciences to biological sciences and business, brought together by a commitment to improve the public's health. Thus, the field of public health is broad and is open to students

<sup>11</sup> Only for health professionals

#### CONTACT INFORMATION

**College:** Public Health  
**Department:**  
**Program Director:** Karen Liller or Kay Perrin  
**Other Contact:** Office of Academic Affairs  
**Phone:** 813-974-6505  
**Fax:** 813-974-8121  
**Email:** [advisor@health.usf.edu](mailto:advisor@health.usf.edu)  
**Web Address:** [www.publichealth.usf.edu](http://www.publichealth.usf.edu)

**Mailing Address:**

University of South Florida  
 College of Public Health  
 13201 Bruce B. Downs Boulevard, MDC056  
 Tampa, FL 33612

from diverse academic disciplines including Health Sciences, Education, Engineering, Business, Communications, Mathematics, Social Sciences and Natural Sciences. Graduates are prepared for interdisciplinary focused public health professional careers as administrators, managers, educators, researchers, and direct service providers.

The College's five departments are: Community and Family Health, Environmental and Occupational Health, Epidemiology and Biostatistics, Global Health, and Health Policy and Management. Public Health Practice is a college-wide program.

Core content is directly related to addressing and meeting public health issues.

The College accommodates the working professional as well as the full-time student by offering late afternoon and evening classes, online course delivery, partnerships with international schools to expand options, a variety of graduate certificate programs, and a professional MPH for experienced Health Care professionals.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools. The College is fully accredited by the Council on Education in Public Health and the Accreditation Board for Engineering and Technology.

**Major Research Areas:**

Faculty major research areas are listed at:

<http://publichealth.usf.edu/facultyaffairs/facultyprofile.html>

**Community & Family Health**

<http://publichealth.usf.edu/cfh/>

Adolescent health risk taking behavior, Community-based prevention marketing, Reproductive and women's health, Health literacy, Health issues of developing countries, Family violence, Injury control and prevention, Social determinants of health, Aging and public health.

**Environmental & Occupational Health**

<http://publichealth.usf.edu/eoh/>

Environmental and occupational toxicology and health risk assessment, Ergonomics and occupational heat stress, Occupational and environmental lung disease, inflammation and asthma, Environmental pollution assessment and modeling, bio-monitoring and management.

**Epidemiology & Biostatistics**

<http://publichealth.usf.edu/epb/>

Epidemiology of dementia and Alzheimer's disease, Aging and occupational epidemiology, Cardiovascular disease epidemiology, Social epidemiology and public health geography, Cross-cultural studies, Cancer epidemiology, Perinatal epidemiology, Sleep disorders, Injury epidemiology, Osteoporosis and falls in aging population, Infectious disease epidemiology, Epidemiology of HIV/AIDS, Prevention Science and prevention methodology, including design and analysis of preventive field trials, Prevention of conduct disorder and aggression, depression, and suicide and drug use/abuse, Analysis of behavior observation data, Multi-level and mixture modeling, Environmental statistics, Health outcome evaluation and medical surveillance, Detection of bioterrorism, Small area estimation, Missing data methods, Growth curve modeling, Risk assessment, and Bayesian inference.

**Global Health**

Surveillance of intestinal parasitic infections; Realtime syndromic surveillance of bioterrorist event; Biosafety of bloodborne pathogens; Serology of arboviruses; pathophysiology of arboviral infections; Health promotion against violence; Health promotion and education in HIV/AIDS; Surveillance of waterborne infections; Development of solar latrines for helminth eradication; Ecodynamics and environmental impact on health.

**Health Policy and Management**

<http://publichealth.usf.edu/hpm/>

Health care financial management, Health economics, Quantitative methods in health services, Health insurance, Health law, Quality management, Performance improvement, Community health assessment, Organizational theory and behavior applied to health

settings, Health information management, Health policy, and Strategic planning.

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

All Applicants must take the Graduate Record Exam (except as noted below) or an equivalent taken within five years preceding application unless noted as exceptions and must meet the following criteria:

1. shall have earned an undergraduate degree from an accredited institution; shall have earned a "B" average (3.0 on a 4 point scale) or better in all work attempted while registered as an upper division student working toward a baccalaureate degree; AND
2. shall have a minimum Verbal Graduate Record Exam (GRE) test score of 450 and a minimum Quantitative Graduate Record Exam (GRE) test score of 550;  
In lieu of the GRE, only applicants to the Department of Health Policy and Management may submit a minimum GMAT score of 500 for the MPH, MSPH and MHA.
3. An MCAT score may be submitted in lieu of the GRE. A mean of 8 is required.

Meeting of these criteria per se shall not be the only basis for admission.

**DEGREE PROGRAM REQUIREMENTS**

For information on program requirements, refer to the college website: [www.publichealth.usf.edu](http://www.publichealth.usf.edu)

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

**OTHER INFORMATION**

**Certificate Programs:** (for information click on the graduate certificates at

<http://www.outreach.usf.edu/gradcerts/>)

Clinical Epidemiology  
Disaster Management\*  
Health Management and Leadership  
Safety Management  
Infection Control  
Social Marketing  
Violence and Injury: Prevention and Intervention  
Interdisciplinary Women's Health  
Public Health Generalist\*  
Humanitarian Assistance\*  
Public Health Policy and Programs\*

\*fully on-line



## PUBLIC HEALTH PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

#### DEGREE INFORMATION

**Program Admission Deadlines:**

**Fall:** December 15 annually

**Minimum Total Hours:** 90  
**Program Level:** Doctoral  
**Program Status:** Active

**CIP Code:** 51.2201  
**Dept Code:** DEA  
**Program (Major/College):** PPH PH

**Concentrations available in:**

See list below in Program Information. Detailed descriptions are available at:

[http://publichealth.usf.edu/programs\\_offered.html](http://publichealth.usf.edu/programs_offered.html)

#### CONTACT INFORMATION

**College:** Public Health  
**Department:**  
**Program Director:** Karen Liller or Kay Perrin  
**Other Contact:** Office of Academic Affairs  
**Phone:** 813-974-6505  
**Fax:** 813-974-8121  
**Email:** [advisor@health.usf.edu](mailto:advisor@health.usf.edu)  
**Web Address:** [www.publichealth.usf.edu](http://www.publichealth.usf.edu)

**Mailing Address:**

University of South Florida  
 Public Health Doctoral Program  
 College of Public Health  
 13201 Bruce B. Downs Boulevard, MDC056  
 Tampa, FL 33612

#### PROGRAM INFORMATION

**Concentrations available in:**

Behavioral Health (BHH)  
 Community and Family Health (*Focus Areas Include: Behavioral Health, Maternal and Child Health, Health Education, Socio-health Sciences*)(CFH)  
 Environmental and Occupational Health (EOH)  
 Epidemiology (EPY)  
 Epidemiology and Biostatistics (EPB)  
 Biostatistics (BST)  
 Global Communicable Disease (TCD)  
 Health Care Organizations and Management (HCO)-**Not Active**  
 Health Policies and Programs (HPP)-Not Active  
 Health Policy and Management (HPM)  
 Industrial Hygiene (IHY)  
 International Health Management (IHM) **Not Active**  
 Maternal and Child Health (PMC)  
 Occupational Health for Health Professionals (OHP)-**Not Active**  
 Public Health Education (HED)  
 Socio-Health Sciences (SHS)  
 Toxicology and Risk Assessment (TXY)

**Program Information**

The base of knowledge for public health comes from a variety of disciplines, ranging from social sciences to biological sciences and business, brought together by a commitment to improve the public's health. Thus, the field of public health is broad and is open to students from diverse academic disciplines including Health Sciences, Education, Engineering, Business, Communications, Mathematics, Social and Natural Sciences. Graduates are prepared for interdisciplinary focused public health professional careers as

administrators, managers, educators, researchers, and direct service providers.

The College's five departments are: Community and Family Health, Environmental and Occupational Health, Epidemiology and Biostatistics, Global Health, and Health Policy and Management. Core content is directly related to addressing and meeting public health issues.

The College accommodates the working professional as well as the full-time student by offering late afternoon and evening classes, online course delivery, partnerships with international schools to expand options, a variety of graduate certificate programs, and a professional MPH for experienced Health Care professionals.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools. The College is fully accredited by the Council on Education in Public Health.

**Major Research Areas:**

Faculty major research areas are listed at: <http://publichealth.usf.edu/facultyaffairs/facultyprofile.html>

**Community and Family Health**

<http://publichealth.usf.edu/cfh/>

Adolescent health risk taking behavior, Community-based prevention marketing, Reproductive and women's health, Health literacy, Health issues of developing countries, Family violence, Injury control and prevention, Social determinants of health, Aging and public health.

***Environmental and Occupational Health***<http://publichealth.usf.edu/eoh/>

Environmental and occupational toxicology and health risk assessment, Ergonomics and occupational heat stress, Occupational and environmental lung disease, inflammation and asthma, Environmental pollution assessment and modeling, bio-monitoring and management.

***Epidemiology and Biostatistics –***<http://publichealth.usf.edu/epb/>

Epidemiology of dementia and Alzheimer's disease, Aging and occupational epidemiology, Cardiovascular disease epidemiology, Social epidemiology and public health geography, Cross-cultural studies, Cancer epidemiology, Perinatal epidemiology, Sleep disorders, Injury epidemiology, Osteoporosis and falls in aging population, Infectious disease epidemiology, Epidemiology of HIV/AIDS, Prevention science and prevention methodology, including design and analysis of preventive field trials, Prevention of conduct disorder and aggression, depression, and suicide and drug use/abuse, Analysis of behavior observation data, Multi-level and mixture modeling, Environmental statistics, Health outcome evaluation and medical surveillance, Detection of Bioterrorism, Small area estimation, Missing data methods, Growth curve modeling, Risk assessment, and Bayesian inference.

***Global Health***

Surveillance of intestinal parasitic infections; Realtime syndromic surveillance of bioterrorist event; Biosafety of bloodborne pathogens; Serology of arboviruses; pathophysiology of arboviral infections; Health promotion against violence; Health promotion and education in HIV/AIDS; Surveillance of waterborne infections; Development of solar latrines for helminth eradication; Ecodynamics and environmental impact on health.

***Health Policy and Management***<http://publichealth.usf.edu/hpm/>

Health care financial management, Health economics, Quantitative methods in health services, Health insurance, Health law, Quality management, Performance improvement, Community health assessment, Organizational theory and behavior applied to health settings, Health information management, Health policy, and Strategic planning.

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

Applicants to the doctoral program in Public Health must meet the following minimum criteria in order to be considered for admission. However, the meeting of these criteria per se, shall not be the only basis for admission.

1. A minimum Verbal Graduate Record Examination (GRE) test score of 480 and a minimum Quantitative Graduate Record Examination (GRE) score of 620 taken within 5 years preceding the application and a grade point average of 3.0 are needed to be considered.
2. A score of 600 or higher on the GMAT for applicants to only the Health Policy and Management Department will be considered.
3. Each applicant must submit evidence of written/analytical skills to the College of Public Health which will take two-forms:
  - a. A graduate level term paper, thesis, or research paper of which the student is the sole author, publication on which the student is the first author; and
  - b. A detailed personal statement of less than five pages that describes why the applicant wishes to obtain a Ph.D. degree in Public Health.
4. Applicants seeking consideration to the doctoral program must possess the MPH, M.S.P.H., or equivalent. Those who hold other graduate degrees will be considered, but as a prerequisite, they must complete the Epidemiology and Biostatistics core courses, one additional core course, and other courses as required and approved by their advisory committee.
5. Each applicant must submit at least two formal Letters of Recommendation. The Department of Community and Family Health requires three Letters of Recommendation.
6. In order to be considered for admission to the Ph.D. Program in Public Health, applicants must be fully prepared to register as full-time students for at least one full academic year (consecutive Fall and Spring semesters).

**DEGREE PROGRAM REQUIREMENTS**

For information on program requirements, refer to the college website: [www.publichealth.usf.edu](http://www.publichealth.usf.edu)

**COURSES** - See <http://www.ugs.usf.edu/sab/sabs.cfm>

## OTHER INFORMATION

**Certificate Programs:** (for information click on the graduate certificates at <http://www.outreach.usf.edu/gradcerts/>)

Clinical Epidemiology  
Disaster Management\*  
Health Management and Leadership  
Safety Management  
Infection Control  
Social Marketing  
Interdisciplinary Women's Health  
Violence and Injury: Prevention and Intervention  
Public Health Generalist\*  
Humanitarian Assistance\*  
Public Health Policy and Programs\*  
\*fully on-line



## Section 24

### College of Visual and Performing Arts

University of South Florida  
College of Visual and Performing Arts  
4202 E. Fowler Ave FAH110  
Tampa, FL 33620

**Web address:** <http://www.arts.usf.edu/>  
**Email:** n/a  
**Phone:** 813-974-2301  
**Fax:** 813-974-2091

**College Dean:** Ron Jones  
**Associate Dean:** Barton Lee  
**Graduate Coordinator:** Barton Lee

**Accreditation:**  
The Commission on Colleges of the Southern Association of Colleges.

**Mission Statement:**  
The College of Visual and Performing Arts is a distinguished center for learning and research in the arts, preparing tomorrow's artists, scholars and leaders in the arts through the creation and study of new forms of artistic expression, analysis and pedagogy. The College offers contemporary perspectives in the arts within the context of a dynamic, urban research university setting characterized by its artistic and cultural diversity. It plays a critical role in the cultural vitality of the Tampa Bay region and engages with local, national and international communities in arts initiatives.

In recognition of its academic and artistic achievements, the College has been given the program-of-emphasis status by the State University System. The College offers graduate degree programs in art, art history, music, and music education, as well as graduate certificates and advanced graduate certificates.

**Major Research Areas:**  
Contact College for information.

**Types of Degrees Offered:**  
Master of Arts (M.A.), Master of Fine Arts (M.F.A.), Master of Music (M.M.), Doctor of Philosophy (Ph.D.)

**Name of Programs Offered:**  
[Master of Arts \(M.A.\)](#)  
Art History  
Music Education

[Master of Fine Arts \(M.F.A.\)](#)  
Art  
Dramatic Writing (Theatre) – Not Active

[Master of Music \(M.M.\)](#)  
Music

[Doctor of Philosophy \(Ph.D.\)](#)  
Music

**Concentrations:**  
Chamber Music  
Composition  
Conducting (Choral and Instrumental)  
Jazz Composition  
Jazz Performance  
Music Education  
Performance  
Piano Pedagogy  
Theory

**Graduate Certificates Offered:** See Graduate Certificates

**COLLEGE REQUIREMENTS**

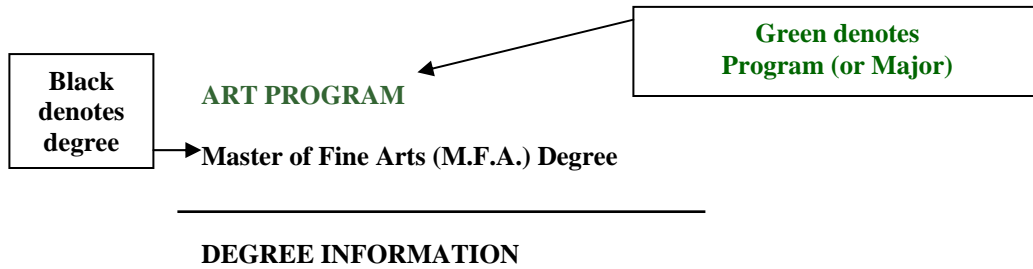
**College Activities and Events**

The College of Visual and Performing Arts arranges a full schedule of concerts, plays, lectures, exhibitions, and workshops featuring students, faculty, and visiting artists/scholars. Events are open to the general public and are presented both during the day and in the evening. Special ticket privileges are available to USF students. For more information, contact the CVPA Events Office. Refer to the College website for more information.

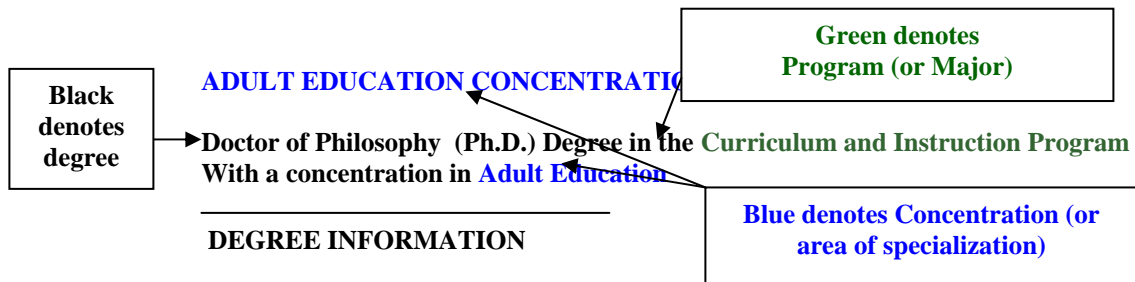
## About the Catalog

The University of South Florida Graduate Catalog is organized with the degree programs offered listed in the section of the college that offers them. For example, the Master of Science degree with a “program” (also known as major) in Biology is listed in the College of Arts and Sciences section. Some colleges offer areas of specialization, or “concentrations” within a degree program.

### EXAMPLE OF PROGRAM PAGE



### EXAMPLE OF CONCENTRATION PAGE



The name of the program and/or concentration does not appear on the diploma – only the name of the degree (i.e., Master of Arts) is listed. The program and concentration information is listed on the official transcript. Other areas, such as application track, are not listed on the transcript.

## ART PROGRAM

### Master of Fine Arts (M.F.A.) Degree

---

#### DEGREE INFORMATION

##### Program Admission Deadlines:

**Fall:** January 15  
Fall admission only

**Minimum Total Hours:** 60

**Program Level:** Masters

**Program Status:** Active

**CIP Code:** 50.0701

**Dept Code:** ART

**Program (Major/College):** MFA FA

#### CONTACT INFORMATION

**College:** Visual and Performing Arts  
**Department:** School of Art and Art History  
**Program Director:** Wallace Wilson  
**Other Contact:** Bradlee Shanks  
**Phone:** 813-974-2360  
**Fax:** 813-974-9226  
**Email:** [olinger@arts.usf.edu](mailto:olinger@arts.usf.edu)  
**Web Address:** <http://www.art.usf.edu/>

##### Mailing Address:

University of South Florida  
 School of Art and Art History  
 Art Program  
 4202 E. Fowler Avenue, FAH110  
 Tampa, FL 33620

---

#### PROGRAM INFORMATION

The nationally ranked MFA Program in Studio Art has been carefully designed as a course of study that will maximize the student's potential for in depth investigation of his or her chosen artistic ideas, themes and /or media. Students are encouraged to acquire technical and conceptual skills in more than one medium or studio discipline and to work toward developing techniques that best communicate the content of their artistic pursuits.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools; National Association of Schools of Art and Design.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

- 1) Same as general university requirement:
- 2) Bachelor's degree
- 3) Three Letters of Recommendation
- 4) An Artist's Statement (Not longer than one 8 1/2 x 11" page)
- 5) Slide List on one 8 1/2 x 11" page
- 6) Portfolio (SASE with adequate postage if you want your portfolio returned.) Applicants portfolio should include:
  - a) 2-D and 3-D artwork: A minimum of twenty 35mm slides in an 8 1/2 x 11" slide page. The first 20 slides are placed in slide trays for the final viewing committee. Slides should be sequenced to best show the development and

relationship of ideas. Each slide should be numbered and labeled with artist's name, title of work, date, dimensions, materials and an arrow-indicating top of slide. An 8 1/2 x 11" slide list should be included with the same information. A sentence or two providing additional information is acceptable.

- b) Film, video, kinetic sculpture, installation and/or performance artwork:: NTSC VHS videocassette recorded at the highest quality possible in SP mode. The Admissions Panel will review the first 10 minutes of each tape. If the work from more than longer pieces is submitted, short segments from each piece should be excerpted and compiled on the first 10 minutes of the tape. The longer work in its entirety can follow these short excerpts on the same tape. An 8 1/2 x 11" listing of the works on tape, running times and any additional information that will assist in understanding the submitted works should be included.
- c) CD-ROM is not recommended for any work that can be documented in either slides or video. Only work created as digital media should be submitted on a CD. Anything else submitted on CD will not necessarily be reviewed. Work originating and intended to be viewed as digital media should be submitted on a MAC formatted CD, ideally as a self-contained program / document such as Director "Projector" file. Also acceptable is a "Web Archive" document from Internet Explorer. An accompanying 8 1/2 x 11" sheet of paper with a listing of the works submitted and any additional information is acceptable. Only

MAC formatted CD's as stipulated above will be reviewed. Submitting only URLs as documentation of work is not acceptable.

### DEGREE PROGRAM REQUIREMENTS

The M.F.A. degree requires a minimum of 60 hours. Specific program requirements include the following:

ARH 6798 Contemporary Thought (20 <sup>th</sup> Century Art History or its equivalent is a prerequisite to ARH 6798 Contemporary Thought.)	4
ART 6890 Graduate Seminar I (first semester)	3
ART 6891 Graduate Seminar II (second semester)	3
ART 6999 Professional Practices	3
ARH 6798 Seminar in Art History	8
ARH 6897 Critical Writing Seminar	3
ART 6956 M.F.A. Research Project	2

ART 5000 and 6000 Studio and Discretionary Electives - 35 credits (3 hours of electives must be taken from a program other than the School of Art and Art History - 4000 level coursework may be used to satisfy this requirement)

ART 6937 Graduate Instructor Methods (This course is an elective option for students who have not worked as a Teaching Assistant.)	2
---	---

#### M.F.A. total course requirements 60 credits

20<sup>th</sup> Century Art History is a prerequisite to admission to the graduate program. It may be taken during the first year of graduate school but will not count as part of the 60 credit requirement.

\*All M.F.A. students must take at least one course in non-western art or thought. This course can be taken as an art history course or through another department offering such an emphasis. Course work taken as undergraduate studies in non-western art may substitute but only at the discretion of the Art Faculty.

The rest of the program is discretionary and can be planned with the advice of the Graduate Art Advisor in its initial stages. After faculty acceptance of the student's proposed final MFA project, a Supervisory Committee will be selected and serve in an advisory capacity with the student for planning the rest of their program.

**Transfer Credits.** Requests for use of transfer credits or credits earned as a non-degree seeking student should be made when the student applies to the graduate program. The faculty will decide at the time of admission whether

or not such credits will be used toward the MFA degree. Transfer credit is limited to 8 hours.

#### S-U GRADES

A Student may not take any course work for a grade of "S/U" until they have elected a supervisory committee, usually by the fourth semester. All course work taken during the first three semesters must be taken in course work assigning letter grades that designate quality points. Appropriate contract numbers would include graduate level studios such as Sculpture or Painting, and ART 5910 for an area in which a graduate student did not have prior skill, or ART 6940 for studies in an area where prior skill exists but the student requires variable credit or the research does not conform to clear categorization by discipline. ART 6907 Independent Study, and ART 6911 Directed Research offer only the S/U grading option and are not to be used until after the student has elected a supervisory committee.

#### FACULTY EVALUATIONS AT THE END OF 1ST, 2ND and 3rd SEMESTER

At the end of the first, second and third semester, students will receive a written evaluation from a faculty member with whom they are registered in a directed study contract. Students will receive this evaluation from the directed study faculty member no later than 1 week following critiques and reviews. This will indicate whether or not the student is doing satisfactory work, and will give a brief appraisal of the student's strengths and suggestions for improvement. These evaluations are based on faculty consensus, and are not necessarily in accord with grades from individual instructors. Students will receive a S/U grade after their first year in the program and after their 3rd semester in the second year.

A student receiving two "unsatisfactory" grades after the first year and third semester evaluations will be dropped from the program. To continue, the student would need to reapply.

Graduate students are requested to delay registration for courses for future semesters until after they receive their evaluation. This will enable students to consider any special faculty directives concerning individual needs and courses of study. It will be the students responsibility to follow through with directives given by the faculty.

#### 1ST YEAR STUDENT FACULTY CRITIQUES

Students are required to present their work in a faculty critique at the end of the fall and spring semesters of their 1st year. Faculty critique participation will be assigned by the MFA Coordinator (one directed study faculty and the rest non-directed study, 4 total); voluntary non-participatory attendance by faculty is allowed; directed study faculty will discuss critique criteria with students before the critique; directed study faculty will discuss critique results with students in a timely manner after the critiques.



### **2nd YEAR STUDENT REVIEW BY FACULTY COMMITTEE**

In their third semester, students will receive a formal review by a 3 person faculty committee (including 1 directed study faculty). The review committee will be appointed by the M.F.A. Coordinator in consultation with the faculty. The second year review will help the student assess his/her progress and begin to articulate the terms of the final project proposal.

Directed study faculty will write the evaluation and meet with the student after the review in a timely manner.

### **M.F.A. RESEARCH PROJECT PROPOSALS**

During the fourth semester of a student's program, (s)he will give a 20 minute (maximum) presentation of a proposal for a M.F.A. Research Project. This will be followed by 10 minutes of questions from the faculty. The proposal must include a one page paper that is distributed to the faculty no less than 3 days before the proposal. The student must present a body of work supporting the student's proposed direction. The proposal should be clear, articulate and grounded in past work. It is understood that the proposal is provisional and that changes will occur in the development of the ideas and work. Students are required to meet with their directed study faculty to discuss project proposal preparation. Students are discouraged from soliciting non-directed study faculty to discuss their proposals.

Project proposal presentations will occur during the 11th or 12th week of the spring term and will be scheduled by the M.F.A. Coordinator. All faculty are required to attend. The student's presentation may be in slide or digital format and will be delivered in a formal lecture setting. The faculty will discuss each student after the presentations have concluded and will decide by a simple majority vote whether or not the proposal is satisfactory or unsatisfactory. The student's directed study faculty member will notify the student of the results shortly after the faculty vote. Faculty comments will be submitted to the student in a written report prepared by the directed study faculty member. If a student's proposal is accepted, (s)he will select a graduate supervisory committee to oversee the realization of the research project.

If a student's project proposal is not accepted during the fourth semester of his/her program, another proposal can be presented before the beginning of the following term. A faculty ad hoc advisory committee may be formed in the event the student receives an unsatisfactory vote. This committee will meet with the student to better prepare the student for the re-proposal. The ad hoc committee is not guaranteed and will be formed only if faculty members volunteer to participate on this committee. Students receiving 2 unsatisfactory votes after the Project Proposal and Re-proposal will be dismissed from the program.

### **GRADUATE SUPERVISORY COMMITTEES**

The Graduate Supervisory Committee consists of a chairperson and two members from the School of Art and

Art History Faculty. Faculty Supervisory Committees MUST be formed by the last Friday of classes for the semester during which the M.F.A. Project Proposal is approved by the faculty. Students usually ask three studio art faculty members to be on their committee, selecting one as chair; faculty members accept at their discretion. All studio faculty are limited to 3 supervisory committees and can serve as chair on no more than 2 committees. Students may have Art History faculty members as members of their committee. Students may also have faculty members from other departments/colleges on their committee but as fourth members only.

The role of the Committee Chair is as follows: logistical and procedural organization, carry ART 6956 Research Project credits with the student, scheduling the exhibition, monitor student activity including maintaining active studio usage, submit an exhibition approval form.

Graduate Student Supervisory Committee Appointment (GSSCA) forms must be downloaded. The student will first secure the committee faculty signatures and then submit the GSSCA to the M.F.A. Coordinator. The M.F.A. Coordinator will sign the form and send it to the Associate Dean of the College for signature. Once all the signatures are secured, the GSSCA will be sent to the M.F.A. Coordinator and kept as part of the student's file. The M.F.A. Students not complying with the above will have a "hold" placed on their records and not be able to register for classes in the subsequent semester or schedule their exhibitions. See Addendum VII to download the Graduate Student Supervisory Committee Appointment Form.

Any conflicts between the student and their committee that cannot be resolved by mutual agreement between the committee and the student should be then taken to the M.F.A. Coordinator for review and recommendations.

### **CRITICAL WRITING SEMINAR**

In the Fall of the third year, M.F.A. candidates are required to take ART 6897 Critical Writing Seminar for three credits. The intent is to ground the student in critical/analytical methodology, to identify the student's place within the broader critical discourse and to prepare the student for a cogent, articulate written documentation of his or her M.F.A. exhibition.

### **M.F.A. RESEARCH PROJECT EXHIBITION/ORALS/WRITTEN DOCUMENT**

The exhibition, written document and the orals conclude the student's graduate program and take place after all course work is completed. The exhibition is usually during the term the student plans to graduate, typically the second semester of the third year. M.F.A. Research Project exhibitions cannot be scheduled for the summer term.

**•Exhibition**

M.F.A. exhibitions are scheduled after the supervisory committee chair signs the exhibition approval form. Signed exhibition approval forms are to be submitted to the M.F.A. Coordinator no later than the 11th week of the semester preceding the student's exhibition.

**•Orals**

Orals are required of all students. These are held during the exhibition period, normally on Friday afternoons. It is the student's responsibility to select three questioners for his/her orals. These are normally drawn from the faculty. Any non-art faculty questioner must have the approval of the student's committee. Faculty who have agreed to serve as questioners for the orals should receive a copy of the paper two weeks (14 days) before the scheduled orals. Orals are open to the public. Any deviation from this policy must be approved by the student's Graduate Supervisory Committee.

**•Research Project Paper**

The School requires a written non-thesis research project paper in the belief that such a document helps the student organize and refine his or her thinking about the work (s)he is producing, and facilitates the process of forming and articulating ideas about art in general. The paper is also meant to provide others with access to the ideas which generate the artwork. Research Project Paper templates will be used by all students as a basic guideline for the structure of the paper. An M.F.A. candidate may choose to complete a formal thesis paper rather than the non-thesis research project paper. Any student wishing to do so must notify his/her committee of the intent upon formation of the committee, and will be responsible for adhering to all applicable deadlines and standards established by the USF Graduate Studies Program.

**•Completion of the M.F.A. Research Project**

Immediately after the orals, the student's Graduate Supervisory Committee meets with the questioners to make a final recommendation on acceptance of the paper, the work and the oral presentation. If these are orally approved, the student is informed of acceptance. If the committee feels it cannot approve some part of the student's presentation, it will confer with the student at once and notify the student what clarifications and alterations need to be made to the exhibition or research project paper. Once the committee accepts the research project, the student must submit documentation of the exhibition and paper to the M.F.A. Coordinator for format check. The M.F.A. Research Project documentation includes the ETD (electronic thesis/dissertation) and the LRC Archive (exhibition documentation). Once the documentation is format checked by the M.F.A. Coordinator, the student must secure a Certificate of Approval signed by the supervisory committee.

Those students who do not submit the ETD, LRC exhibition documentation and Certificate of Approval

will be put on an administrative hold. This hold will prevent student transcripts from being issued.

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## ART HISTORY PROGRAM

### Master of Arts (M.A.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

**Fall:** January 15  
Fall admission only.

**Minimum Total Hours:** 38  
**Program Level:** Masters  
**Program Status:** Active

**CIP Code:** 50.0703  
**Dept Code:** ART  
**Program (Major/College):** ATH FA

#### CONTACT INFORMATION

**College:** Visual and Performing Arts  
**Department:** School of Art and Art History  
**Program Director:** Wallace Wilson  
**Other Contact:** Elisabeth Fraser  
**Phone:** 813-974-2360  
**Fax:** 813-974-9226  
**Email:** [olinger@arts.usf.edu](mailto:olinger@arts.usf.edu)  
**Web Address:** <http://www.arthistory.usf.edu/>

##### Mailing Address:

University of South Florida  
School of Art and Art History  
Art History Program  
4202 E. Fowler Avenue, FAH110  
Tampa, FL 33620

#### PROGRAM INFORMATION

The School of Art and Art History offers high quality M.A. studies in art history from the Middle Ages to the present. The focus of all art history courses and programs is on the intellectual and cultural history of art. Course work is supplemented by practical internships in galleries and museums as well as study-abroad programs. While a reading knowledge of French or German is preferred, other languages may be substituted with advisor's approval if more appropriate to the student's interests.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools; National Association of Schools of Art and Design.

##### Major Research Areas:

M.A. Art History students are guided by the art history faculty in selecting their area of research after completing a year of graduate study. Because the focus of the Art History M.A. Program is on the cultural and intellectual history of art, graduate thesis work is expected to address an area of art from a contemporary perspective that is complimentary. This program features an endowed chair in modern and contemporary art history.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

1. Same as general university requirement.
2. Departmental Requirements plus a research paper dealing directly with Art History or a

3. related discipline (literature, political history, psychology, philosophy or classical studies). Three letters of recommendation from people who can professionally assess the applicant's ability to do scholarly and academic work.
4. A short essay of one to two pages explaining the applicant's research interests and goals for graduate study in art history.
5. A personal interview by the Art History faculty may be requested.

##### Undergraduate Deficiencies in Art History

1. Students pursuing graduate studies in Art History, who do not have an undergraduate degree in Art History will be expected to complete four undergraduate Art History survey courses plus two courses in critical studies.
2. Exceptions can be granted only with consent of the Art History faculty.

##### Language Requirements

Art History Language Requirements:

Reading knowledge of French or German (Italian in special cases) must be acquired before the end of the second semester of enrollment in the program. Please see the Academic Advisor for exceptions to this rule.

The student may take appropriate courses in the Division of Language or Classics Program. Whenever the courses are available, the student should be encouraged to take

one of the special one semester foreign language courses designed for graduate students.

When these courses are not available, the student may take two semesters of a beginning foreign language course. These courses may not be taken pass/fail or audit. In order to fulfill the foreign language requirement, the student must receive a letter grade of "C or better in both courses. Courses taken to fulfill the foreign language requirement will not count toward hours necessary for graduation and the grades in these courses will not be computed in the student's graduate GPA.

Students may elect to take the GSFLT (Graduate School Foreign Language Test). The student must achieve a score of 450 or above on the test in order to fulfill the foreign language requirement.

Students may take a proficiency exam in which they translate, from a foreign language into English, materials relevant to their particular disciplines. The form of these proficiency exams should be devised by the appropriate language professors from either of these two units.

### DEGREE PROGRAM REQUIREMENTS

Course work consists of 18 hours of specially designated courses, 18 hours of electives, and 2 hours of thesis for a total of 38 hours.

1. Students must take the following courses
  - a) ARH 5795 Methods of Art History (must be taken by the student's second year in the program)
  - b) three Critical Studies Seminars (cannot be substituted with Directed Studies courses)

- c) Thesis Writing for Art History Majors – usually taken in the second year of the student's program.

- d) Art History Thesis

2. ARH 5797 Museum internship, arranged through the Art History faculty, is optional and can be taken any term after the first semester. Museum experience is encouraged but course credit for museum internship is limited to those students seeking a Graduate Certificate in Museum Studies.

**Thesis** - By the end of the student's second semester and completion of 18 hours, the student will select (in consultation with the art history faculty) a Faculty Graduate Thesis Committee. Students will be advanced to candidacy by the art history faculty based in part upon satisfactory completion of a thesis proposal. The Graduate Thesis Committee must approve the written thesis and conduct the oral defense of the thesis in satisfaction of degree requirements.

**Transfer of Credit** - There is no automatic transfer of special student credit or graduate credit earned at other institutions or from other graduate program in the university towards M.A. degree requirements. The School of Art and Art History has designated a six hour limit on all credit taken as special student status. Any transfer of credit or special student hours to be used toward M.A. degree requirements are only granted after a faculty review at the time the student has been accepted into the M.A. program.

**COURSES** See <http://www.ugs.usf.edu/sab/sabs.cfm>

## DRAMATIC WRITING PROGRAM

### Master of Fine Arts (M.F.A.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
Not accepting applications

**Minimum Total Hours:** n/a  
**Program Level:** Masters  
**Program Status:** Inactive

**CIP Code:** 50.0504  
**Dept Code:** TAR  
**Program (Major/College):** DRW FA

#### CONTACT INFORMATION

**College:** Visual and Performing Arts  
**Department:** School of Theatre and Dance  
**Program Director:** Marc Powers  
**Other Contact:** n/a  
**Phone:** 813-974-1739  
**Fax:** 813-974-4122  
**Email:** [mmorris@arts.usf.edu](mailto:mmorris@arts.usf.edu)  
**Web Address:** n/a

**Mailing Address:**  
University of South Florida  
School of Theatre and Dance  
Dramatic Writing Program  
4202 E. Fowler Avenue, FAH110  
Tampa, FL 33620

---

**Inactive.** Currently, students are not being admitted into this program.

## MUSIC PROGRAM

### Master of Music (M.M.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

U.S. Students:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

International Students:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 1
<b>Summer:</b>	February 1

<b>Minimum Total Hours:</b>	30-34
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	50.0903
<b>Dept Code:</b>	MUS
<b>Program (Major/College):</b>	MUS FA

##### Concentrations available in:

- Chamber Music (MCL) (*Piano and Strings*)
- Composition (MMC)
- Conducting (MMD) (*Choral or Instrumental*)
- Jazz Composition (MJC)
- Jazz Performance (MJP)
- Music Education (see Ph.D. Program)
- Performance (MMP)
- Piano Pedagogy (MMP)
- Theory (MMT)

#### CONTACT INFORMATION

<b>College:</b>	Visual and Performing Arts
<b>Department:</b>	School of Music
<b>Program Director:</b>	William P. Hayden
<b>Other Contact:</b>	Ms. Mireya Critel
<b>Phone:</b>	813-974-2311
<b>Fax:</b>	813-974-8721
<b>Email:</b>	<a href="mailto:music@arts.usf.edu">music@arts.usf.edu</a>
<b>Web Address:</b>	<a href="http://music.arts.usf.edu/">http://music.arts.usf.edu/</a>

##### Mailing Address:

University of South Florida  
 School of Music  
 Music Program  
 4202 E. Fowler Avenue, FAH110  
 Tampa, FL 33620

#### PROGRAM INFORMATION

##### Music Faculty, Alumni, and Students

Perhaps the most compelling reason to study music at the University of South Florida is the opportunity to work with our superb music faculty. These gifted, dedicated artists/scholars are among the preeminent leaders in their fields and have been carefully chosen for their professional training, excellence in musical performance and research, and pedagogical expertise. They are featured on many professional recordings and appear in prestigious concert venues around the world. Their compositions are premiered globally. Their scholarship is published in the leading research journals, books, and monographs in their disciplines. The School of Music also invites guest composers, conductors, and performing musicians to enhance its performances and to provide master classes, symposia, and clinics for students and the public.

Many USF music alumni are currently performers in a variety of concert settings and successful teachers in

public schools, colleges, and universities around the country in a variety of concert settings. The School of Music at USF offers the student the opportunity to study with distinguished faculty and to be in the company of other superior music students for an exciting and exacting period of study.

The Master of Music degree provides students with an opportunity to pursue intense, focused study in their music specialty, coupled with a vigorous, balanced curriculum in music theory, music literature, and electives. Students in this program are mentored expertly by senior faculty and exhibit mastery of their specialty at the end of the course of study by way of appropriate capstone experiences, including recitals or theses and comprehensive examinations. The provisions and balance of these experiences comport precisely with the curriculum guidelines required by the national Association of Schools of Music.

**Accreditation:**

Commission on Colleges of the Southern Association of College and Schools (SACS); full member, National Association of Schools of Music (NASM)

**Major Research Areas:**

Chamber Music, Composition, Conducting, Jazz Studies, Music Performance, Music Theory

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

Successful auditions and/or interviews are required for admission into chamber music, conducting, performance, pedagogy, and theory programs. Approved portfolios are required for admission into composition (jazz or traditional). In addition, diagnostic tests in music theory and history must be taken before classes begin in the first semester. Based upon the scores, the music faculty may require remediation in one or both areas of study. Graduate review courses are offered each Fall semester. The Graduate Record Examination (GRE) is not required for the M.M. degree program.

Students who do not enroll in the semester for which they applied and were admitted must receive permission from the Director of Graduate Studies in music to enroll in courses in the following semester(s). This procedure is to determine the availability of applied and academic courses in music.

An official undergraduate Transcript for a completed undergraduate degree in music (from an accredited program) is required with the application. The overall Grade Point Average (GPA) for upper division credit hours must be at least 3.0 and the GPA for all music courses included in the undergraduate degree must be at least 3.0. International students must include copies of graduation Certificates and/or Diplomas (in addition to official transcripts) with their applications.

International students must have at least a score of 550 (or 213 for the computer version) on the Test of English as a Foreign Language (TOEFL), or they must have completed English Language Institute (ELI) Level 4 or Level 5 and have passed the ELI Exit Assessment.

Credit hours earned in Certificate Programs at USF may be applied toward a master's degree. Up to eight (8) graduate credit hours or three (3) graduate courses may be transferred from other institutions.

M.M. students may apply up to 6 credit hours of 4000-level courses, which are deemed appropriate for their degree program and which are taken at USF as part of their graduate studies. M.M. students must successfully complete a Comprehensive Examination at the end of the

program of study. Details regarding this examination may be obtained from the Director of Graduate Studies in Music.

**DEGREE PROGRAM REQUIREMENTS****ADMISSION**

- Admission to USF Graduate Studies with acceptable transcript(s)
- Admission to School of Music through successful audition and/or interview (conducting, jazz performance, performance, pedagogy, and theory), or approved portfolio (classic and jazz composition)
- Diagnostic Music Tests taken prior to classes in first term. Students may be required to enroll in a remedial history and/or theory course as a consequence of their scores.

**COMPLETION OF COURSES** (required for degree program): Common Core, Major Area, Electives

**APPLICATION FOR GRADUATION**

(due by beginning of final semester)

**FINAL PROJECT** (according to major area)

- Composition(s) as required by composition faculty, or
- Recital (includes recital approval hearing one to two weeks in advance of recital), or
- Thesis (includes Oral Defense)

**COMPREHENSIVE EXAMINATION**

Selection of Committee, including major professor (committee chair) and two other professors from varying concentrations in music with whom they have studied. One member must be from the academic area. The student and the committee must sign a contract available from the Director of Graduate Studies in Music at the beginning of the final term.

- Written Examination

1. Collection of examination questions by chair from committee members

2. Presentation of questions to candidate with deadline of one week for completion (theory majors take a two-hour written examination.)

3. Candidate submits questions and answers to chair one week before oral examination

- Oral Examination (meeting for candidate and committee members scheduled by chair)

- Final Recommendation with signatures presented to the Program Director of Graduate Studies in Music

The course outlines below are mandatory for the respective fields of study. Secondary applied music courses may be taken in conjunction with MUS 6976, Graduate Recital, if two semesters of four-credit hour major study have already been completed.

**Common Core**

MUS 6793 Techniques of Research in Music And Music Education	3
<i>(Normally taken in the first semester of study)</i>	
MUL 6375 Twentieth Century Music Literature	3
Choose 1 of 3	
MUT 6545 Analysis of 18 <sup>th</sup> and 19 <sup>th</sup> Century Music	3
MUT 6626 Analysis of 20 <sup>th</sup> Century Music	3
MUT 6665 Jazz Styles and Analysis*	2

Music Theory majors must take MUT 6545 & 6626 (for major area) plus MUS 6793 and MUL 6375.

\* Required for Jazz Composition and Jazz Performance majors

**Major Areas**

Concentration	CR	Required Courses
<b>Chamber Music</b>	8	MVK or MVS 6XXX - Applied Music (for piano and string students, only)
		<b>MCL</b> (4 credits; taken two terms)
	MM degree	6 MUN 6XXX – Chamber Music Ensemble
	Total Hours=30	2 MUS 6976 – Recital (Chamber Music, only). Must include:
	C. Core=8-9 M. Area=16 Electives=5-6	<ol style="list-style-type: none"> <li>Major standard sonata</li> <li>Major standard work for 3 or more instruments</li> <li>Major contemporary chamber work for 2 or more instruments</li> </ol>
Scholarship Requirement for Piano: STUDIO ACCOMPANYING Scholarship Requirement for Strings: PARTICIPATION IN USF ORCHESTRA		

<b>Choral Conducting</b>	8	MUG 6205 - Advanced Choral Conducting
		<b>MMD</b> (2 credits; taken four terms; variable content)
MM degree	3	MUG 6930 - Advanced Choral Techniques
Total Hours=34	3	MUL 6655 - Choral Literature 1500-1800
C. Core=8-9 M. Area=21	3	MUL 6656 - Choral Literature 1800-Present
Electives=4-5	2	MUN 6XXX – Ensemble (1 credit; taken two terms)
	2	MUS 6976 - Recital

<b>Instrumental Conducting</b>	6	MUG 6307 - Band/Wind Ensemble Conducting
		<b>MMD</b> (2 credits; taken two terms)
MM degree	3	MUL 6555 - Band/Wind Ensemble Literature
Total Hours=30	2	MUN 6XXX – Ensemble (1 credit; taken two terms)
C. Core=8-9 M. Area=13 Electives=8-9	2	MUS 6976 - Recital

<b>Jazz Composition</b>	8	MUC 6626 - Jazz Composition
		<b>MJC</b> (2 credits; taken two terms)
MM degree	2	MUN 6930 - Seminar: Jazz Compositional Styles
Total Hours=30		(2 credits; taken two terms)
C. Core=8-9 M. Area=16	2	MUN 6XXX – Ensemble (1 credit; taken two terms)
Electives=5-6	2	MUS 6976 – Recital

<b>Jazz Performance</b>	8	MVI 6XXX - Applied Jazz
		<b>MJP</b> (2 credits; taken two terms)
MM degree	2	MUN 6XXX – Ensemble (1 credit; taken two terms)
Total Hours=30	4	MUT 6665 - Jazz Styles and Analysis
C. Core=8-9 M. Area=16		(2 credits; taken two terms)
Electives=5-6	2	MUS 6976 – Recital



<b>Music Composition</b>	8	MUC 6251 – Composition (2 credits; taken two terms)
MM degree	2	MUS 6971 - Thesis (Oral Defense required) or MUS 6976 - Recital
Total Hours=30		
C. Core=8-9 M. Area=10 Electives=11-12		

<b>Music Performance</b>	8	MV? 6XXX - Applied Studio (2 credits; taken two terms)
MM degree	2	MUN 6XXX – Ensemble (1 credit; taken two terms)
Total Hours=30	2	MUS 6976 - Recital
C. Core=8-9 M. Area=12 Electives=9-10	4	Piano Majors: MUL 6410 Keyboard Repertory I (2 credits; Fall) MUL 6411 Keyboard Repertory II (2 credits; Spring)

<b>Music Theory</b>	2	MUT 6545 - Analysis of 18 <sup>th</sup> and 19 <sup>th</sup> Centuries
	2	MUT 6586 - Critical Analysis: History
MM degree	3	MUT 6626 - Analysis of 20 <sup>th</sup> C. Music
Total Hours=30	3	MUT 6627 - Schenkerian Analysis
C. Core=6 M. Area=21 Electives=3	3	MUT 6751 - Teaching of Music Theory
	3	MUT 6760 - History of Music Theory (offered only as a “directed study”)
	4	MUS 6971 - Thesis (Oral Defense required)

<b>Piano Pedagogy</b>	4	MVK 5XXX - Applied Studio (2 credits; taken two terms)
	2	MUL 6410 Keyboard Repertory 1 (2 credits; Fall)
MM degree	2	MUL 6411 Keyboard Repertory 2 (2 credits; Spring)
Total Hours=30	2	MVK 6650 Graduate Piano Pedagogy 1
C. Core=8-9 M. Area=16 Electives=5-6	2	MVK 6651 Graduate Piano Pedagogy 2
	2	MUN 6XXX – Ensemble (1 credit; taken two terms)
	2	MUS 6976 - Recital

**Electives**

Concentration	Hours	Recommended Courses
Chamber Music	5-6	Applied and Music Literature/Theory (MUL/MUT) courses
Choral Conducting	4-5	MUL 6505, MUL 6671
Instrumental Conducting	8-9	MUL 6505 and other Music Literature (MUL) courses
Jazz Composition	5-6	Music Theory (MUT) courses
Jazz Performance	5-6	Applied and Music Literature/Theory (MUL/MUT) courses
Music Composition	11-12	MUC 6444, MUC 6445, MUC 6930, MUL 6505, MUT 6665
Music Performance	9-10	Applied and Music Literature/Theory (MUL/MUT) courses
Music Theory	3	Music Literature (MUL) courses, MM Thesis (additional hours)
Piano Pedagogy	1-2	Applied or Music Literature/Theory (MUL/MUT) courses

**Comprehensive Examinations (written and oral) are required for all degree concentrations.**

The complete Schedule of Music Courses is available and updated on the following website under Music Schedule: <http://hayden.arts.usf.edu>

*Courses are subject to change. Summer and online courses may be offered.* All inquiries should be directed to the Director of Graduate Studies in Music.

The responsibility for seeing that all graduation requirements are met rests with the student.

Updated 01-26-06 WPH

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## MUSIC PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

U.S. Students:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

International Students:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 1
<b>Summer:</b>	February 1

<b>Minimum Total Hours:</b>	60
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	50.0901
<b>Dept Code:</b>	MUS
<b>Program (Major/College):</b>	DMS FA

##### Concentrations available in:

Music Education (MDE)

Doctoral applicants are encouraged to contact Dr. C. Victor Fung, Director of the Doctoral Music Education Program, as early as possible at [cvfung@arts.usf.edu](mailto:cvfung@arts.usf.edu)

#### CONTACT INFORMATION

<b>College:</b>	Visual and Performing Arts
<b>Department:</b>	School of Music
<b>Program Director:</b>	William P. Hayden
<b>Other Contact:</b>	Ms. Mireya Critel
<b>Phone:</b>	813-974-2311
<b>Fax:</b>	813-974-8721
<b>Email:</b>	<a href="mailto:music@arts.usf.edu">music@arts.usf.edu</a>
<b>Web Address:</b>	<a href="http://music.arts.usf.edu/">http://music.arts.usf.edu/</a>

##### Mailing Address:

University of South Florida  
School of Music  
Program Director of Graduate Studies  
4202 E. Fowler Avenue, FAH110  
Tampa, FL 33620

#### FINANCIAL AID DEADLINES Fall Admissions Only

	<b>Residency Requirement</b>	
\$7500 to \$20,000 per year plus Tuition Waiver	One academic year of full-time study. Successive summers may be considered.	
<b>Graduate Assistantships</b>	March 15	Application form: <a href="http://hayden.arts.usf.edu/graduate">http://hayden.arts.usf.edu/graduate</a>
<b>Fellowships</b>	February 1	No application. By faculty recommendation only.

#### PROGRAM INFORMATION

##### Music Faculty, Alumni, and Students

Perhaps the most compelling reason to study music at the University of South Florida is the opportunity to work with our superb music faculty. These gifted, dedicated artists/scholars are among the preeminent leaders in their fields and have been carefully chosen for their professional training, excellence in musical performance and research, and pedagogical expertise. They are featured on many professional recordings and appear in prestigious concert venues around the world. Their compositions are premiered globally. Their scholarship is published in the leading research journals, books, and monographs in their disciplines. The School of Music also invites guest composers, conductors, and performing musicians to enhance its performances and to provide master classes, symposia, and clinics for students and the public.

Many USF music alumni are currently performers in a variety of concert settings and successful teachers in public schools, colleges, and universities around the country in a variety of concert settings. The School of Music at USF offers the student the opportunity to study with distinguished faculty and to be in the company of

other superior music students for an exciting and exciting period of study.

##### Accreditation:

Commission on Colleges of the Southern Association of Colleges and Schools (S.A.C.S.); National Association of Schools of Music (N.A.S.M.); National Council for Accreditation of Teacher Education (N.C.A.T.E.);

##### Major Research Areas:

Adolescent Voice, Alternative Methods, Community Collaboration, Contemporary Changes, Early Childhood, General Music, International Perspectives, Multicultural Issues, Philosophy, Psychology, Sociology, Teacher Behaviors, Technology

#### MUSIC EDUCATION CONCENTRATION IN THE Ph.D. IN MUSIC

##### Program Description

The Ph.D. program varies, depending on individual interests and needs. All applicants are expected to have two or more years of teaching experience in a public or private school (or its equivalent). A dissertation and dissertation defense are required. The Ph.D. degree

empowers students to become scholarly producers of research in music education.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

#### Program Admission Requirements

1. Official Application to the USF Graduate School for the Ph.D. Program in Music (code DMS) with a concentration in Music Education (code MDE) in Music (code MUS) in CVPA (code FA).
2. Master's degree from an accredited institution. Official undergraduate and graduate transcripts must be received at the same time as the application for admission. Credits to be considered for transfer to this degree program, which are reflected on other transcripts besides the degree-bearing transcripts, must also be sent for consideration by the faculty.
3. Minimum GPA of 3.0 for upper division of undergraduate degree (all credits beyond the first 60), and minimum GPA of 3.5 for master's degree.
4. The GRE General Test (after October 1, 2002) must be taken and results must be delivered to Graduate Studies in the School of Music as part of the admission application process.
5. Minimum of two years of teaching experience in elementary and/or secondary school(s), or the equivalent.
6. Successful interview with the music education faculty, either in person or by other arrangement. *Prior to the interview*, the following must be reviewed by the music education faculty:
  - a. At least three letters of recommendation from people qualified to speak on behalf of the applicant's academic and professional capabilities.
  - b. Sample of the applicant's best academic writing.
  - c. Curriculum vita.
  - d. 15-20 minute video recording of the applicant teaching music.
  - e. Personal goal statement.

International students must include copies of graduation **Certificates and Diplomas** (in addition to official transcripts) with their applications. If English is not their primary language, they must have at least a score of 550

(or 213 for the computer version) on the Test of English as a Foreign Language (**TOEFL**), or they must have completed English Language Institute (**ELI**) Level 4 or Level 5 and have passed the ELI Exit Assessment.

#### DEGREE PROGRAM REQUIREMENTS

- **COMPLETION OF COURSES**
  - a. Appointment of Doctoral Committee
  - b. Comprehensive Qualifying Examination
  - c. Admission to Candidacy
- **SUBMISSION OF DISSERTATION**
- **APPLICATION FOR GRADUATION**  
(due by beginning of final semester)
- **DISSERTATION DEFENSE**
  - a. Final Oral Examination
  - b. Final recommendation with signatures presented to Program Director of Graduate Studies in Music

#### COURSE REQUIREMENTS

##### Specialization (21 hours)

- MUE 7815 Foundations of Musical Learning and Teaching (3)  
 MUE 7835 Philosophical Issues in Music Education (3)  
 MUE 7939 Doctoral Seminar in Music Education Research (3)

##### *Choose 1 of 2:*

- MUE 7937 Special Topics in Music Education (3)  
 MUE 7990 Doctoral Seminar on Music in Higher Education (3)

##### *Specialization Electives:*

Three additional courses (9 hrs) in Education, Music Education, and/or another discipline relevant to the student's research

##### Cognate (9 hours)

Choice of graduate courses in music from the following: Jazz Studies, Music Composition, Music Conducting, Music History, Music Literature, Music Performance, Music Theory

##### Statistics and Measurement (12 hours)

- EDF 6407 Statistical Analysis for Educational Research I (4)  
 EDF 7408 Statistical Analysis for Educational Research II (4)  
 EDF 7410 Design of Systematic Studies in Education (4)

**Dissertation (18 hours)**

Prerequisite: Comprehensive Qualifying Examination  
MUE 7980 Dissertation (18)

**Total Hours Beyond the Master's Degree: 60**

---

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

The responsibility for seeing that all graduation requirements are met rests with the student.

The complete Schedule of Music Courses (always subject to change) is available and updated on the following website under Music Schedule: <http://hayden.arts.usf.edu>

## MUSIC EDUCATION PROGRAM

### Master of Arts (M.A.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

U.S. Students:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

International Students:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 1
<b>Summer:</b>	February 1

<b>Minimum Total Hours:</b>	32
<b>Program Level:</b>	Masters
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.1312
<b>Dept Code:</b>	MUS
<b>Program (Major/College):</b>	MUE FA

##### Also offered as:

Concentration in the Doctor of Philosophy  
(Ph.D.) in Music.

#### CONTACT INFORMATION

<b>College:</b>	Visual and Performing Arts
<b>Department:</b>	School of Music
<b>Program Director:</b>	William P. Hayden
<b>Other Contact:</b>	Ms. Mireya Critel
<b>Phone:</b>	813-974-2311
<b>Fax:</b>	813-974-8721
<b>Email:</b>	<a href="mailto:music@arts.usf.edu">music@arts.usf.edu</a>
<b>Web Address:</b>	<a href="http://music.arts.usf.edu">http://music.arts.usf.edu</a>

##### Mailing Address:

University of South Florida  
School of Music  
Music Education Program  
4202 E. Fowler Avenue, FAH110  
Tampa, FL 33620

#### PROGRAM INFORMATION

##### Music Faculty, Alumni, and Students

Perhaps the most compelling reason to study music at the University of South Florida is the opportunity to work with our superb music faculty. These gifted, dedicated artists/scholars are among the preeminent leaders in their fields and have been carefully chosen for their professional training, excellence in musical performance and research, and pedagogical expertise. They are featured on many professional recordings and appear in prestigious concert venues around the world. Their compositions are premiered globally. Their scholarship is published in the leading research journals, books, and monographs in their disciplines. The School of Music also invites guest composers, conductors, and performing musicians to enhance its performances and to provide master classes, symposia, and clinics for students and the public.

Many USF music alumni are currently performers in a variety of concert settings and successful teachers in public schools, colleges, and universities around the country in a variety of concert settings. The School of Music at USF offers the student the opportunity to study with distinguished faculty and to be in the company of other superior music students for an exciting and exacting period of study.

##### Master of Arts Program Description

Graduate education in music education at the University of South Florida is focused on research. The Master of Arts degree in music education empowers students to become thoughtful *consumers of research* in music education. This program captures a balanced array of courses in music education, research techniques, music theory/history/literature, and electives in music. It concludes with a comprehensive examination. Variability of the program depends on individual interests and needs.

##### Accreditation:

Commission on Colleges of the Southern Association of Colleges and Schools (S.A.C.S.); National Association of Schools of Music (N.A.S.M.); National Council for Accreditation of Teacher Education (N.C.A.T.E.)

##### Major Research Areas:

Adolescent Voice, Alternate Methods, Community Collaboration, Contemporary Changes, Early Childhood, General Music, International Perspectives, Multicultural Issues, Technology, Teacher Behaviors, Philosophy, Psychology, Sociology

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

1. An official **Transcript** for a completed undergraduate degree in music (from an accredited program) is required with the application.. The overall Grade Point Average (GPA) for upper division credit hours must be at least 3.0, and the GPA for all music, music education, and education courses included in the undergraduate degree must be at least 3.0.
2. A minimum of three (3) current **Letters of Recommendation** from people qualified to speak on behalf of the applicant's professional capabilities must accompany the application. Interviews, portfolios, and the Graduate Record Examination (GRE) may be required for admission, and **two years of school music teaching are required.** However, final approval for admission must be granted by the music education faculty.
3. **International students** must include copies of graduation **Certificates** and/or **Diplomas** (in addition to official transcripts) with their applications. If English is not their primary language, they must have at least a score of 550 (or 213 for the computer version) on the Test of English as a Foreign Language (**TOEFL**), or they must have completed English Language Institute (**ELI**) Level 4 or Level 5 and have passed the ELI Exit Assessment.

**Transfer Credit:** Credit hours earned in Certificate programs at USF may be applied toward a master's degree. Up to 8 graduate credit hours or 3 graduate courses may be transferred from other institutions. M.A. students may apply up to 6 credit hours of 4000-level courses, which are deemed appropriate for their degree program and which are taken at USF as part of their graduate studies.

**Diagnostics tests in music history/literature and theory** must be taken prior to the first semester of study. Based upon the scores, the music faculty may require remediation in one or both areas of study in order to qualify the student for permission to enroll in certain courses. Graduate review courses are offered each Fall semester.

It is important to enroll in the term of admission. If postponement is necessary, you should request that your application be updated for the term when you will register for classes.

**DEGREE PROGRAM REQUIREMENTS****Sequence of Events and Protocols**

- **ADMISSION** (see above)
- **COMPLETION OF COURSES**
- **APPLICATION FOR GRADUATION**  
(due by beginning of final semester)
- **COMPREHENSIVE EXAMINATION**
  - Selection of Committee, including major professor (chair) and two other professors with whom they have studied. The student and the committee must sign a contract available from the Director of Graduate Studies in Music at the beginning of the final term.
  - Written Examination
    - Collection of examination questions by chair from committee members
    - Presentation of questions to candidate with deadline of one week for completion
    - Candidate submits questions and answers to chair one week before oral examination
  - Oral Examination (meeting for candidate and committee members scheduled by chair)
  - Thesis submission and thesis defense (only for those who elect to write a thesis)
  - Final recommendation with signatures presented to Program Director of Graduate Studies in Music

**COURSE REQUIREMENTS****Common Core:**

- MUS 6793 Techniques of Research in Music and Music Education (*online*) (3)
- MUL 6375 Twentieth Century Music Literature (*online*) (3)

**Choose 1 of 3:**

- MUT 6545 Analysis of 18th and 19th Century Music (3)
- MUT 6626 Analysis of 20th Century Music (*online*) (3)
- MUT 6665 Jazz Styles and Analysis (2)

**Required Courses (all online)**

- MUE 6080 Foundations & Principles of Music Education (3)
- MUE 6648 Techniques & Research in Alternative Music Education Models (3)

MUS 6525 Computer Applications in Music (3)  
EDF 6432 Foundations of Measurement (3)

**Choose 1 of 3:**

MUE 6116 General Music Education K-12 (3)  
MUE 6336 Advanced Techniques & Research in  
Secondary Vocal Music (3)  
MUE 6348 Advanced Techniques & Research in  
Instrumental Music Ed (3)

---

**ELECTIVES** (8 hours)

Other graduate music courses, which may include  
Directed Studies, Directed Research, and Thesis

---

**Total Hours beyond the Bachelor's Degree: 32**

---

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

The responsibility for seeing that all graduation  
requirements are met rests with the student.

The Complete Schedule of Music Courses (always  
subject to change) is available and updated on the  
following website under Music Schedule:  
<http://hayden.arts.usf.edu>





## Section 25

### Interdisciplinary Programs

University of South Florida  
College of Graduate Studies  
U.S.F. Graduate School  
4202 E. Fowler Ave BEH 304  
Tampa, FL 33620

**Web address:** <http://www.grad.usf.edu/>

**Email:** n/a

**Phone:** 813-974-2846

**Fax:** 813-974-5762

**College Dean:** Delcie Durham

**Accreditation:**

The Commission on Colleges of the Southern Association of Colleges.

**Mission Statement:**

The Mission of the Graduate School at the University of South Florida is to stimulate, encourage and support graduate education efforts that build national distinction and are characterized by innovation and by increasing contribution to the social, cultural, economic, health and technological development needs of the region and state.

The following are degree programs offered across programs sand/or colleges. Three of the programs are offered from the College of Graduate Studies. The SLAIT program is offered from the College of Arts and Sciences and the College of Education. Information about these programs is available on the following pages.

**Degrees Offered:**

Master of Arts (M.A.)  
Master of Science (M.S)  
Doctor of Philosophy (Ph.D.)

**Name of Programs Offered:**

Master of Arts (M.A.)  
Applied Behavior Analysis

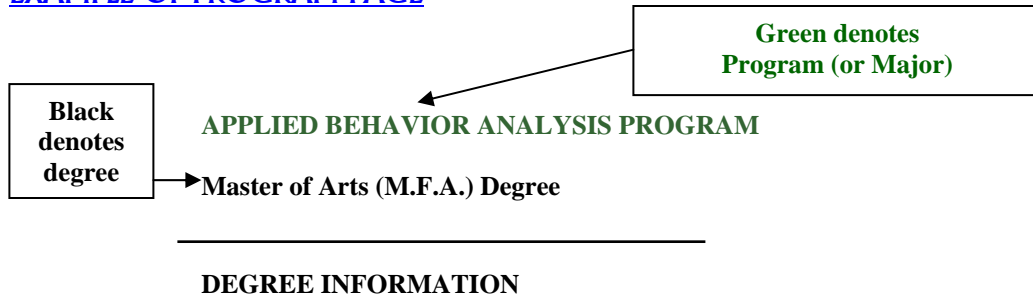
Master of Science (M.S.)  
Entrepreneurship in Applied Technologies

Doctor of Philosophy (Ph.D.)  
Cancer Biology  
*Second Language Acquisition/Instructional Technology (SLAIT)*

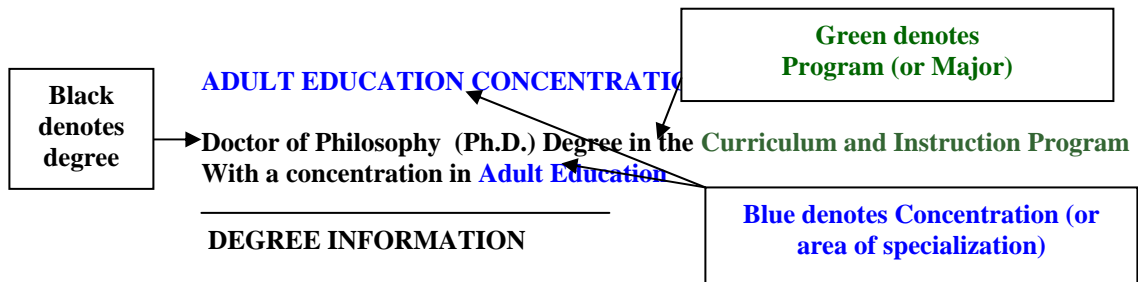
## About the Catalog

The University of South Florida Graduate Catalog is organized with the degree programs offered listed in the section of the college that offers them. For example, the Master of Science degree with a “program” (also known as major) in Biology is listed in the College of Arts and Sciences section. Some colleges offer areas of specialization, or “concentrations” within a degree program.

### EXAMPLE OF PROGRAM PAGE



### EXAMPLE OF CONCENTRATION PAGE



The name of the program and/or concentration does not appear on the diploma – only the name of the degree (i.e., Master of Arts) is listed. The program and concentration information is listed on the official transcript. Other areas, such as application track, are not listed on the transcript.

## APPLIED BEHAVIOR ANALYSIS PROGRAM

### Master of Arts (M.A.) Degree

#### DEGREE INFORMATION

**Program Admission Deadlines:**  
**Fall:** May 15, 2007

**Minimum Total Hours:** 40  
**Program Level:** Masters  
**Program Status:** Active

**CIP Code:** 42.9999  
**Dept Code:** GRS  
**Program (Major/College):** ABY GS

#### CONTACT INFORMATION

**College:** Graduate Studies / Interdisciplinary

**Department:**  
**Program Director:** Stacie Neff  
**Other Contact:** Brenda Hunter  
**Phone:** 813-974-8530  
**Fax:** 813-974-6115  
**Email:** [abausf@fmhi.usf.edu](mailto:abausf@fmhi.usf.edu)  
**Web Address:** <http://aba.grad.usf.edu>

**Mailing Address:**  
 University of South Florida  
 Interdisciplinary Program  
 Applied Behavior Analysis Program  
 4202 E. Fowler Avenue, FAO126  
 Tampa, FL 33620

#### PROGRAM INFORMATION

**Accreditation:**  
 Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**  
 For information, contact the program

#### DEGREE PROGRAM REQUIREMENTS

For information, contact the program.

#### COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

## CANCER BIOLOGY PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

---

#### DEGREE INFORMATION

**Program Admission Deadlines:**

<b>Fall :</b>	
U.S.	February 1
International:	January 1

<b>Minimum Total Hours:</b>	96
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active

<b>CIP Code:</b>	26.0911
<b>Dept Code:</b>	GRS
<b>Program (Major/College):</b>	CNB GS

#### CONTACT INFORMATION

<b>College:</b>	Graduate Studies – Interdisciplinary
<b>Department:</b>	Cancer Biology
<b>Program Director:</b>	Kenneth L. Wright, Ph.D.
<b>Other Contact:</b>	n/a
<b>Phone:</b>	813-745-6876
<b>Fax:</b>	813-745-7264
<b>Email:</b>	<a href="mailto:cancerphd@moffitt.usf.edu">cancerphd@moffitt.usf.edu</a>
<b>Web Address:</b>	<a href="http://cancerbio.hsc.usf.edu">http://cancerbio.hsc.usf.edu</a>

**Mailing Address:**  
 University of South Florida  
 Interdisciplinary Ph.D. Program  
 in Cancer Biology  
 H. Lee Moffitt Cancer Center, MRC 4 East  
 12902 Magnolia Drive  
 Tampa, FL 33612

---

#### PROGRAM INFORMATION

The H. Lee Moffitt Cancer Center and the University of South Florida have joined together to establish a new graduate program focused specifically on Cancer Biology. Tremendous advancement in the detection and treatment of cancer has occurred over the last decade, yet cancer continues to adversely affect millions of people worldwide in terms of quality of life, life span and economic burden.

The H. Lee Moffitt Cancer Center at the University of South Florida is a leading institution of basic research, clinical research and patient treatment. The H. Lee Moffitt Cancer Center has received national acclaim and is officially designated as a Comprehensive Cancer Center by the National Cancer Institute of the National Institutes of Health. The Cancer Biology Ph.D. Program's goal is to train the next generation of Cancer researchers. Studies of cancer require specific knowledge in multiple fields that have traditionally been independent. Our Cancer Biology Ph.D. program emulates the H. Lee Moffitt Cancer Center and eliminates these boundaries. Students will receive cancer-oriented training in: molecular biology, immunology, functional genomics, bioinformatics, drug discovery & development, cancer genetics, cancer prevention & control, cancer therapeutics, cell biology, biochemistry, proteomics chemistry.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

1. Extensive background in field of biology or chemistry
2. GRE required for full consideration;
3. GPA of at least 3.0 or greater;
4. Advanced coursework and research experience preferred

#### DEGREE PROGRAM REQUIREMENTS

**Course Requirements –**

All students are required to successfully complete the Cancer Biology Program Core Courses. In addition students must successfully complete at least two elective courses that have been approved by the Cancer Biology Education Committee. These elective courses are offered through Departments within the College of Medicine, Engineering, and Arts and Sciences. Dissertation Committees may also require students to take additional course work if needed to correct deficiencies. In special circumstances the Cancer Biology Education Committee can waive course requirements, if the student has recently completed identical coursework elsewhere. Students are required to achieve a minimum GPA of B in all Cancer Biology Core courses and an overall GPA of 3.0 (B) in order to remain in good standing.

**Stipends:** All Cancer Biology Ph.D. students in good standing will receive a \$20,000 per year stipend. After successfully passing written and oral qualifying examinations, a student will receive a \$1,000 increase at the beginning of their third year. Students also receive health insurance coverage and direct payment of their tuition. All students are highly encouraged to apply for funding from outside sources.

**Required Cancer Biology Core Courses**

GMS 6056	Cancer Research Techniques
GMS 6054	Cancer Biology I
GMS 6055	Cancer Biology II
GMS 6080	Laboratory Rotations
GMS 6931	Directed Research
GMS 6060	Advances in Cancer Biology
GMS 6057	Current Topics in Oncology
GMS 6932	Selected Topics in Cancer Biology

**Examples of Approved Elective Courses**

GMS 6200C	Core Courses in Medical Biochemistry
BCH 6411	Molecular Biology
GMS 6501	Cellular and Molecular Pharmacology
GMS 6100	Core Courses Medical Microbio & Immun.
GMS 6107	Advances in Virology
GMS 6130	Molecular Biology of Tumor Viruses
GMS 6111	Human Systemic Pathology
GMS 6112	Biochemical Pathology
GMS 6300C	Core Courses in Pathology

**COURSES**

See <http://www.ugs.usf.edu/sab/sabs.cfm>

**ENTREPRENEURSHIP IN APPLIED TECHNOLOGIES PROGRAM****Master of Science Degree****DEGREE INFORMATION****Program Admission Deadlines:**

**Fall:** March 1  
Fall admission only

**Minimum Total Hours:** 30  
**Program Level:** Masters  
**Program Status:** Active

**CIP Code:**  
**Dept Code:** DEA  
**Program (Major/College):** EAT GS

**CONTACT INFORMATION**

**College:** Graduate Studies/  
Interdisciplinary  
**Department:**  
**Program Directors:** Michael Fountain  
**Other Contact:** William G. Marshall, Jr.  
**Phone:** 813-974-7900  
813-974-7663  
**Email:** [fountain@coba.usf.edu](mailto:fountain@coba.usf.edu)  
[wmarshall@hsc.usf.edu](mailto:wmarshall@hsc.usf.edu)  
**Web Address:**  
<http://www.ce.usf.edu>  
<http://www.entrepreneurship.usf.edu>

**Mailing Address:**  
The Center for Entrepreneurship  
University of South Florida  
4202 E. Fowler Avenue, BSN 3403  
Tampa, FL 33620-5500

**PROGRAM INFORMATION**

The Center for Entrepreneurship at the University of South Florida, in conjunction with the Colleges of Business Administration, Engineering, and Medicine and the Graduate School, has established a novel, innovative, and unique program in interdisciplinary Entrepreneurship in Applied Technologies. The Master's of Science Degree Program in Entrepreneurship in Applied Technologies is a 30 credit-hour program and consists of eleven (11) courses which will consolidate the Entrepreneurship education and training for successful opportunity recognition and development, technology and market assessment, technology commercialization, new venture formation, and new venture financing into a single inter-disciplinary program curriculum utilizing faculty and courses in the Colleges of Business Administration, Engineering, and Medicine under the auspices of the Graduate School. The program is designed such that a student may complete it in a concentrated 12-month period of study or in an 18-month period. In addition, the Masters of Science Degree in Entrepreneurship is designed so that it can be completed as part of a dual-degree program in conjunction with a traditional M.A., M.S., M.B.A., M.D., or Ph.D. program. The program must be completed by the student within a 5-year period following initiation.

**Accreditation:**

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

**Major Research Areas:**

N/A

**ADMISSION INFORMATION**

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

**Program Admission Requirements**

1. Bachelor's degree or equivalent from a regionally accredited university
2. "B" (3.0 on a 4.0 scale) average in all upper division work
3. Two (2) letters of recommendation
4. Letter of interest
5. Statement of purpose
6. Personal interview
7. GRE, GMAT may be required on individual basis; MCAT or LSAT may be substituted
8. Competence in Statistics, Accounting, and Finance must be demonstrated

**DEGREE PROGRAM REQUIREMENTS****Program of Study**

Course Requirements – Graduation will require successful completion of the 30 hour curriculum, with a minimum GPA of 3.0 (no grades below "C"), within a five (5) year period.

**Stipends** – N/A

**Required Entrepreneurship Courses**

GMS 7930	Principles of Intellectual Property
EIN 6271	Overview of Regulated Industries
EIN 6121	Technology and Markets

EIN 6934	Strategies for Advanced Product Development
GEB 6116	Business Plan Development
GEB 6115	New Venture Formation
GEB 6936	Strategies for New Venture Financing
ENT 6930	Strategies in Technology Entrepreneurship
GMS 6821	BioMedical Ethics
EIN 5914	Advanced Topics in Technology Entrepreneurship – Internship
ENT 6936	Entrepreneurship Research Seminar

**COURSES** - See <http://www.ugs.usf.edu/sab/sabs.cfm> or  
<http://ce.usf.edu> or <http://www.entrepreneurship.usf.edu>

## SECOND LANGUAGE ACQUISITION AND INSTRUCTIONAL TECHNOLOGY PROGRAM

### Doctor of Philosophy (Ph.D.) Degree

#### DEGREE INFORMATION

##### Program Admission Deadlines:

<b>Fall:</b>	March 15
<b>Spring:</b>	October 15
<b>Summer:</b>	March 1

<b>Minimum Total Hours:</b>	75
<b>Program Level:</b>	Doctoral
<b>Program Status:</b>	Active

<b>CIP Code:</b>	13.401
<b>Dept Code:</b>	EDI
<b>Program (Major/College):</b>	DLT EJ

*Cross-listed under the College of Arts and Sciences, the College of Education and the Interdisciplinary Programs Sections.*

#### CONTACT INFORMATION

<b>Colleges:</b>	Education and Arts and Sciences
<b>Department:</b>	Secondary Education
<b>Program Directors:</b>	Carine Feyten, College of Education <b>and</b> Jeffra Flaitz, College of Arts and Sciences 813-974-3400
<b>Phone:</b>	813-974-3400
<b>Email:</b>	<a href="mailto:feyten@usf.edu">feyten@usf.edu</a>
<b>Web Address:</b>	<a href="http://www.coedu.usf.edu/slait">http://www.coedu.usf.edu/slait</a>

##### Mailing Address:

University of South Florida  
College of Education  
SLAIT Program  
4202 E. Fowler Avenue, EDU162  
Tampa, FL 33620

#### PROGRAM INFORMATION

This is an interdisciplinary program between the College of Education and the College of Arts and Sciences and combines the expertise of both faculties to provide a curriculum in pedagogy, world language education, second language acquisition, sociolinguistics, socio-cultural theory, instructional technology, and statistics, research design. The goal of the program is to prepare students for careers in academia.

##### Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools.

##### Major Research Areas:

Second Language Acquisition, Instructional Technology, Foreign Language Education, Distance Learning.

#### ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

##### Program Admission Requirements

In addition to the general admission requirements under the advanced graduate education programs, applicants must:

1. Submit a "Statement of Purpose" relating their career goals specifically to this doctoral program and describing their experience with instructional technology and language teaching;
2. Supply a current curriculum vitae;

3. Provide 3 letters of recommendation from professors or other individuals who can attest to the applicant's experience and background;
4. Offer evidence of research experience or scholarly promise;
5. Meet with the graduate faculty for a personal interview;
6. Take a two-hour background assessment to assist faculty in planning the prospective student's program of studies.

##### Most students admitted to this program will:

1. Possess a Master's degree (or equivalent academic level) from a regionally accredited institution or its international equivalent;
2. present a minimum GPA of 3.5 (or international equivalent)
3. score at or above 500 on the GRE verbal reasoning and 4 on the GRE analytical writing section;
4. Submit a TOEFL score (550 paper-based, 250 computer-based, or 80 internet-based test).



The faculty will evaluate each applicant's dossier based on a composite of variables and goodness of fit with the program.

**For international applicants:** Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 500 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iav/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>.

### **DEGREE PROGRAM REQUIREMENTS**

**Program of Study:** 75 credit hours - core courses (45-46 semester hours); electives 9-12 semester hours; dissertation (18 semester hours)

**COURSES** - See <http://www.ugs.usf.edu/sab/sabs.cfm>

### **OTHER INFORMATION**

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida Department of Education program approval standards, and accreditation criteria.

## Section 26

### Accelerated Degree Programs

The following lists some of the Accelerated Programs offered through U.S.F. New accelerated programs may have been approved since the publication of this list, others may now be inactive. For a current list, refer to: <http://admissions.grad.usf.edu/programs.asp>. For information about the requirements for the 5-year program contact the program. At the time of publication there were 17 Accelerated Programs.

Program College(s)	Name of Program (Major) or Concentration (Specialization)	Degree	Program	Comments about the 5 year program
School of Architecture and Community Design	Architecture	M.Arc.	5 Year Program	2 plus 3 accelerated to the M.Arc. degree
College of Arts and Sciences	Addictions and Substance Abuse Counseling (Rehabilitation and Mental Health Counseling)	M.A.	5 Year Program Concentration	3 plus 2 accelerates to the MA
College of Arts and Sciences	Chemistry	BA/MA	5 Year Program	3 plus 2 – awards simultaneous degrees
College of Arts and Sciences	Marriage and Family Therapy (Rehabilitation and Mental Health Counseling)	M.A.	5 Year Program Concentration	3 plus 2 accelerates to the MA
College of Arts and Sciences	Mathematics	BA/MA	5 Year Program	3 plus 2 – awards simultaneous degrees
College of Arts and Sciences	Rehabilitation and Mental Health Counseling	M.A.	5 Year Program	3 plus 2 accelerates to the MA
College of Arts and Sciences	Speech - Pathology	M.S.	5 Year Program – <b>INACTIVE</b>	3 plus 2 accelerates to the MS - Inactivated
College of Arts and Sciences and College of Business Administration	Arts and Sciences and Business	BA or BS/MBA	5 Year Program	3 plus 2 may be mapped to most UG departments in AS and awards a BA or BS & MBA simultaneously
College of Business and Honors College	Business and Honors College	B.A./M.B.A.	5 Year Program	
College of Education	Special Education, Varying Exceptionalities	BS/MA	5 Year Program	3 plus 2 – awards simultaneous degrees
College of Engineering	Engineering	M.E., M.S.	5 Year Program	3 plus 2 may be mapped to any Engineering department and awards the bachelor & master simultaneously

## Accelerated Programs Continued...

College of Engineering	Engineering Science	M.S.E.S.	5 Year Program	3 plus 2 may be mapped to any Engineering department and awards the bachelor & master simultaneously
College of Medicine and Honors College	Medicine / Honors	BA/M.D.	7 Year Program	Medicine has an accelerated program agreement with the Honors College. The BA is awarded after the 4 <sup>th</sup> year then the student accelerates to the 2 <sup>nd</sup> year as a medical student.
College of Medicine and Honors College	School of Physical Therapy and Honors College	B.A./D.P.T.	6 Year Program	
College of Nursing	Nursing	BS/MS	5 Year Program	UG with an AS in nursing progressing toward the MS in nursing - BS/MS simultaneous degrees
College of Nursing	Nursing Education (Nursing)	M.S.	5 Year Program Concentration	
College of Public Health	Public Health	MPH/MSP	5 Year Program	Concentrations in Public Health Education admits UG students at 90 hours, PHC, and accelerates to the master degree

## Section 27

### Dual Degree Programs

As noted in Section 7 – Academic Policies – of this catalog:

#### Dual Degree Programs

A student may wish to pursue two degrees simultaneously. Upon approval by the appropriate College Dean(s) and Dean of the Graduate School, a prescribed number of courses (generally no more than nine (9) hours of core or basic courses) required for one degree may be applied to another degree that requires the same courses, without repetition or alternative courses. Procedures for applying for a Dual degree program are available on the Graduate School website.

The following lists some of the formalized Dual Degree Programs offered through U.S.F. New Dual Degree programs may have been approved since the publication of this list, others may now be inactive. For a current list, refer to: <http://admissions.grad.usf.edu/programs.asp> or contact the program of interest to see if your program qualifies for a Dual Degree option. Information about the degree requirements for these dual degrees may be found in the corresponding college sections of the catalog. Students may also enroll in non-formalized Dual Degree Programs by obtaining approval from the two programs of interest and the Graduate School. To apply for either a formalized Dual Degree, or to apply for a non-formalized Dual Degree, students must complete the Dual Degree Application, available online at: [http://www.grad.usf.edu/newsite/forms/grad\\_forms.asp](http://www.grad.usf.edu/newsite/forms/grad_forms.asp). At the time of publication there were 8 formalized Dual Degree Programs.

Program College(s)	Name of Dual Degree Programs	Dual/Joint Program	Degree
College of Arts and Sciences College of Public Health	Anthropology and Public Health	Dual Degree	M.A./M.P.H.
College of Arts and Sciences College of Engineering	Engineering Science and Physics	Joint Degree	M.A.
College of Arts and Sciences College of Engineering	Engineering Science and Physics	Joint Degree	Ph.D.
College of Public Health	Epidemiology and Biostatistics	Dual Concentration	
College of Arts and Sciences College of Engineering	Physics and Engineering Science	Joint Degree	Ph.D.
College of Arts and Sciences College of Education	Religious Studies and Education - INACTIVE	Dual Degree	M.A.
College of Arts and Sciences College of Public Health	Anthropology and Public Health	Dual Degree	Ph.D./M.P.H.
College of Arts and Sciences College of Public Health	Maternal and Child Health and Clinical Social Work	Dual Degree	MPH / MSW

## Section 28

### Graduate Courses

**To view the Course Listing with Course Descriptions, see Appendix.**

#### Glossary of Course Description Terms

Courses offered for credit by the University of South Florida are listed with the program or college that offers them. The first line of each description includes the State Common Course prefix and number (see below), title of the course, and number of credits.

Credits separated by a colon indicate concurrent lecture and laboratory courses taught as a unit:

PHY 3040, 3040L PHYSICS AND LAB (3:1)

Credits separated by a comma indicate unified courses offered in different semesters:

AMH 2010, 2020 AMERICAN HISTORY I, II (4, 4)

Credits separated by a hyphen indicate variable credit:

MAT 7912 DIRECTED RESEARCH Var.

The following abbreviations are used in various course descriptions:

G	Graduate
PR	Prerequisite
CI	With the consent of the instructor
CC	With the consent of the chairperson of the department or program
CR	Co-requisite
Lec	Lecture
Lab	Laboratory
Dem	Demonstration
Pro	Problem
Dis	Discussion
ML	Master's Level
GS	Graduate Standing
Rpt	May be repeated
UL	Upper level
S/U	No grade, Satisfactory/Unsatisfactory Only

#### Course Level Definitions:

5000-5999	Graduate Level
6000-Up	Graduate Level

The University reserves the right to substitute, not offer, and add courses and programs that are listed in this catalog.

#### Florida's Statewide Course Numbering System

Courses in this catalog are identified by prefixes and numbers were assigned by Florida's Statewide Course Numbering System. This common numbering system is used by all public postsecondary institutions in Florida and by participating non-public institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the Statewide Course Numbering System (SCNS). The list of course prefixes and numbers, along with their generic titles, is referred to as the “SCNS taxonomy.” Descriptions of the content of courses are referred to as “statewide course details.”

### Example of Course Identifier

Prefix	Level Code (first digit)	Century Digit (second digit)	Decade Digit (third digit)	Unit Digit (fourth digit)	Lab Code
SYG	1	0	1	0	
Sociology, General	Freshman Level at this institution	Entry-level General Sociology	Survey Course	Social Problems	No lab in this course

### General Rule for Course Equivalencies

Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions. (Exceptions are listed below.)

For example, a survey course in social problems is offered by 34 different postsecondary institutions. Each institution uses “SYG\_010” to identify its social problems course. The level code is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, “SYG” means “Sociology, General,” the century digit “0” represents “Entry-level General Sociology,” the decade digit “1” represents “Survey Course,” and the unit digit “0” represents “Social Problems.”

In science and other areas, a “C” or “L” after the course number is known as a lab indicator. The “C” represents a combined lecture and laboratory course. The “L” represents a laboratory course or the laboratory part of a course, having the same prefix and course number without a lab indicator, which may meet at a different time or place.

Transfer of any successfully completed course from one institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, SYG 1010 is offered at a community college while the same course is offered at a state university as SYG 2010. A student who has successfully completed SYG 1010 at the community college is guaranteed to receive transfer credit for SYG 2010 at the state university upon transfer. The student cannot be required to take SYG 2010 again since SYG 1010 is equivalent to SYG 2010. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution to offer transfer credit for courses successfully completed which have not been designated as equivalent.

### The Course Prefix

The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or subcategory of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the prefix designation.

### Authority for Acceptance of Equivalent Courses

State Board of Education Rule 6A-10.024(19), Florida Administrative Code, reads:

When a student transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the common course designation and numbering system, the receiving institution shall award credit for courses satisfactorily completed at the previous participating institutions when the courses are judged by the appropriate common course designation and numbering system faculty task forces to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The award of credit may be limited to courses that are entered in the course numbering system. Credits so awarded shall satisfy institutional requirements on the same basis as credits awarded to native students.

**Exceptions to the General Rule for Equivalency**

The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution:

- Courses in the 900-999 series(e.g., HUM 2905)
- Internships, practica, clinical experiences, and study abroad courses
- Performance or studio courses in Art, Dance, Theater, and Music
- Skills courses in Criminal Justice
- Graduate courses
- Courses not offered by the receiving institution
- College preparatory and vocational preparatory course may not be used to meet degree requirements and are not transferable.

Questions about the Statewide Course Numbering System and appeals regarding course credit transfer decisions should be directed to Undergraduate Studies (for questions pertaining to graduate and undergraduate courses) or the Florida Department of Education, Office of Articulation, 1401 Turlington Building, Tallahassee, Florida 32399-0400. Special reports and technical information may be requested by calling telephone number (850) 245-0427 or SunCom 205-0427.

To view the course listing with descriptions, see the Search-a-Bull Database online at:

<http://www.ugs.usf.edu/sab/sabs.cfm> or refer to the Graduate Catalog Appendix.





## Appendix: Graduate Courses Listing

Sub	Num	Title	CR	Col	Dept	Prerequisites	Course Description
ACG	5205	Advanced Financial Accounting	3	BA	ACC	PR: ACG 4123	Accounting for business combinations, preparation of consolidated financial statements, home office/branch relationships, foreign operations and transactions, partnerships.
ACG	5501	Governmental/Not-For-Profit Accounting	3	BA	ACC	PR: ACG 4123. CR: ACG 4632.	Application of financial and managerial accounting, and auditing, principles and theory to both governmental and not-for-profit entities.
ACG	5675	Internal and Operational Auditing	3	BA	ACC	PR: ACG 3113 and ACG 3401. CR: ACG 4632.	The objective of Internal and Operational Auditing is to provide students with an opportunity to learn about the theory and practice of internal and operational auditing and to apply relevant audit principles and techniques to selected audit problems.
ACG	6025	Financial Accounting for Managers	2	BA	MBA	Not available for credit for graduate students in the Master of Accountancy program.	Study of (1) accounting concepts and standards applicable to presentation of financial information to interested users, (2) structure and interpretation of financial statements, especially issues of income determination and assessment measurement.
ACG	6075	Management Accounting and Control	2	BA	MBA	PR: ACG 6025. Not available for credit for graduate students in the Master of Accountancy program.	Deals with management accounting systems for different types of entities, cost behavior patterns, cost-volume-profit analysis, relevant information for decision making, and budgets and standard costs for planning and control.
ACG	6346	Cost Accounting Theory	3	BA	ACC	PR: ACG 3341 or equivalent	Deals with the evolution of cost accounting systems and their subsequent loss of relevance, and the impact of new management accounting philosophies (giving consideration to the influences of the international community) in the modern manufacturing environment.
ACG	6405	Accounting Systems Theory	3	BA	ACC	PR: ACG 3401 or equivalent	Design, operation, and auditing of contemporary accounting systems, including file oriented and data base environments.
ACG	6457	Accounting Systems Audit, Control, and	3	BA	ACC	PR: ACG 3401, ACG 6405 or equivalent.	An in-depth study of contemporary systems control security from an audit perspective. Course topics will include: IS audit standards,

		Security					contemporary AIS technologies, and the development and maintenance of AIS integrity.
ACG	6476	Contemporary Issues in Accounting Information Systems	3	BA	ACC	PR: ACG 6405 or equivalent.	An in-depth study of current accounting information systems issue confronting the accounting profession. Graduate students research and study contemporary and emerging topics in the field.
ACG	6636	Contemporary Issues in Auditing	3	BA	ACC	PR: ACG 4632	This course explores contemporary auditing issues and advanced topics concerning the changing role of the audit assurance function and changing audit processes. Topics include audit reporting, auditing in advanced computerized environments, audit judgment, quality control, and regulation of the profession.
ACG	6637	Contemporary Issues in Accounting Information Systems	3	BA	ACC	PR: ACG 6405 or equivalent	An in-depth study of current accounting information systems issues confronting the accounting profession. Graduate students research and study contemporary and emerging topics in the field.
ACG	6875	Development of Accounting Thought	3	BA	ACC	PR: 20 hours of accounting or CI	A study and evaluation of the development and evolution of current accounting theory and measurement concepts. An examination of financial accounting objectives, measurement models, and controversial issues.
ACG	6890	Measuring Organizational Effectiveness	3	BA	ACC	PR: Graduate standing.	This course provides a graduate level introduction to financial and non-financial performance measures. The course considers how stakeholders of private and public sector organizations use financial and non-financial measures to assess how well, and at what cost, these organizations are able to achieve strategic/operating goals and objectives.
ACG	6905	Independent Study	1-19	BA	ACC	PR: CC. S/U.	Independent Study. Student must have a contract with an instructor.
ACG	6915	Directed Research	1-19	BA	ACC	PR: GR. M.L, CC. S/U.	
ACG	6932	Integrative Accounting Seminar	3	BA	ACC	PR: Enrolled in final semester of program	Use of case studies to explore the interaction of accounting and business topics that have been previously emphasized in separate courses.
ACG	6936	Selected Topics in	1-4	BA	ACC	PR: CC	The course content will depend on student demand and instructor's

		Accounting					interest.
ACG	7156	Seminar in Financial Accounting	3	BA	ACC	PR: ACG 6875 or CI	This course investigates advanced research and methodological issues in financial accounting. It focuses primarily on research which uses financial information in contexts external to the firm.
ACG	7356	Seminar in Management Accounting	3	BA	ACC	PR: ACG 6346 or CI	Review and critical analysis of management accounting foundation with emphasis on the current research methods in organizational behavior aspects and multiple criteria decision methods.
ACG	7415	Seminar In Accounting Information Systems	3	BA	ACC	PR: ACG 6405 or CI.	Review and critical analysis of major topics and research methods in accounting information systems.
ACG	7646	Seminar in Auditing	3	BA	ACC	PR: ACG 6636 or equiv. or CI.	This course involves a study of state-of-the-art research techniques as applied to major auditing issues and a critical analysis of the reported research findings.
ACG	7936	Seminar On Special Topics In Accounting	1-4	BA	ACC	PR: CI.	Coverage of particular topics of interest to doctoral faculty and students during any given semester.
ACG	7980	Dissertation in Accounting	2-21	BA	ACC	PR: Completion of comprehensive exams and CI.	Research and writing of a dissertation on an accounting topic.
ADE	6080	Adult Education in the United States	4	ED	EDV		A study of the adult education movement in the United States from its beginnings to the present lifelong learning enterprise it has become. Economic and cultural factors of the past are examined with a view toward implications for the future.
ADE	6160	Program Management in Adult Education	3	ED	EDV		An examination of the methods for establishing a productive adult education program, and the principles and procedures involved in designing, organizing, operating, and evaluating comprehensive adult education programs.
ADE	6161	Curriculum Construction in Adult Education	4	ED	EDV		Curriculum scope, the process of planning and organizing instructional programs with emphasis on task analysis and process evaluation. Concentrates on basic principles affecting the planning of Adult Education activities, including an overview of the human forces that both impinge on and motivate human behavior in an adult learning

							environment.
ADE	6197	Adult Basic Education	4	ED	EDV		An overview of adult basic education with an emphasis on current issues and problems of curriculum and instruction in program development and on culturally different adults.
ADE	6280	Administration in Local Adult Education Programs	4	ED	EDV		A study of the organization, selection of personnel, assignment of duties and responsibilities, and establishment of policies and procedures to accomplish the objectives of the local program within federal, state, and local requirements.
ADE	6287	Supervision of Local Adult Education Programs	4	ED	EDV		A study of the factors involved in the supervision of instruction including plans for teacher education, improvement of instruction, coordination of activities, and personnel relations.
ADE	6360	Methods of Teaching Adult Education	3	ED	EDV		An exploration of different methods, techniques, and materials available to help adults learn. Concentration on the process of designing effective learning experiences for adults and developing the competencies of self-directed learning.
ADE	6370	Trainers in Business and Industry	3	ED	EDV		A study of trainers in business and industry and acquisition of several key competencies required to fulfill this role.
ADE	6385	The Adult Learner	3	ED	EDV		An investigation of the physiological and psychological changes in the adult life span and the implications these have for adult learning capabilities. Concentration on the identification of principles of adult learning, differences between adults and youth as learners, and a review of research on adult learning.
ADE	6946	Practicum in Adult Education	1-6	ED	EDV		A problem-centered field study in the local community, school, government, office, social agency, business, or industry setting.
ADE	6971	Thesis: Masters/Education Specialist	2-19	ED	EDV	S/U. Ma/EdS Candidates only.	Thesis/Specialist project hours.
ADE	7388	Adult Development and Learning	3	ED	EDV	PR: ADE 6385 or equiv.	This is an advanced, in-depth study of the distinctive characteristics of adult life and learning.
ADE	7910	Directed Research In Adult	1-4	ED	EDV	PR: Advanced graduate level.	Directed research on topics related to adult education.

		Education					
ADE	7937	Seminar In Adult Education	1-4	ED	EDV	PR: Advanced graduate level.	Seminar in advanced topics in Adult Education.
ADE	7947	Advanced Internship: Adult Education	1-4	ED	EDV	PR: Advanced graduate level only. S/U.	
ADE	7980	Dissertation	2-30	ED	EDV	PR: Admitted to Candidacy.	Dissertation hours.
AFA	5935	Issues in Africana Studies	1-4	AS	AFA		Variable topics course focusing on the history, culture, and lived experiences of Africans, African American, and/or other peoples of African descent worldwide. Rpt. Up to 12 hours as topics vary.
AFA	6101	Social Construction of Race and Racism	3	AS	AFA		Examinations of the social construction of race, racism, racial identities and cross-racial relationships in the US from the colonial period to present.
AFA	6275	Black Women Writers	3	AS	AFA		Black Women Writers focuses on the literature of women of Africa and the African Diaspora. It examines the social, historical, artistic, political, economic, and spiritual lives of Africana women in context of a global community. The course is open to majors and non-majors and is cross-listed with Women's Studies, English and ISS.
AFA	6313	Black English	3	AS	AFA		Black English focuses on linguistic patterns among African Americans in the US, South Central America and the Caribbean. It examines language in relation to issues of domination, education, economics, social stratification, and political empowerment. It is open to majors and non-majors and is cross-listed with ISS.
AFA	6905	Independent Study	1-19	AS	AFA	PR: CI, MI.	Course consists of advanced graduate research on Africana studies topics selected by student and professor. The topics vary. The course allows students to develop research skills and independent work disciplines.
AFA	6910	Directed Research	1-12	AS	AFA	PR: CI, Departmental Approval.	Course consists of directed research on Africana studies topic selected by student and professor. The topics vary. The course allows students to develop research skills and independent work disciplines.

AFA	6932	Topics in Africana Studies	3	AS	AFA		Variable topics course focusing on the history, culture, and lived experiences of African, African-American, and/or other peoples of African descent worldwide. Rpt. Up to 12 hours as topics may vary.
AFA	6945	Internship	1-3	AS	AFA	PR: CI, Approval of Thesis Committee	This course involves working with a local agency (gov't., NGO, private, etc.) on topic related to the theme of the MA degree, researching and documenting the process and preparing the data for writing the masters thesis.
AFA	6971	Thesis	2-19	AS	AFA	PR: Department, Major professor and thesis committee approval.	Thesis.
AML	6017	Studies in American Literature to 1860	3	AS	ENG		Selected focused studies in American literature before 1860: the Puritans, Franklin, Cooper, Irving, Poe, Emerson, Hawthorne, Melville, and others.
AML	6018	Studies in American Literature 1860 to 1920	3	AS	ENG		Selected focused studies in American literature: Dickinson, Whitman, Twain, Howells, James, Jewett, Chopin, Crane, Dreiser, and others.
AML	6027	Studies in Modern American Literature	3	AS	ENG		Modern American drama, poetry, fiction, and literary criticism; authors include Faulkner, Hemingway, Fitzgerald, O'Neill, Miller, Anderson, Wolfe, Cummings, Frost, Pound, and Eliot.
AML	6608	Studies in African American Literature	3	AS	ENG		Focuses on varied topics in African American literature such as African American Fiction and the Harlem Renaissance. Topics will supply greatly needed coverage of increasingly important areas of American and African American literature, history, and culture.
AMS	6002	American Lives	3	AS	AMS	PR: GS, CI.	Open to non-majors. An interdisciplinary approach to the study of autobiography. Examines the relationship between identity and community in classic American autobiographies. Utilizes autobiography as a resource of social and cultural history which provides insights regarding the complex interaction between a life, a mind, and a text.
AMS	6156	Theories and	3	AS	AMS	PR: GS.	This course examines the

		Methods of Cultural Studies					relationship between the arts and society by introducing various approaches to the study of literature, art, and culture that are of contemporary relevance to graduate students in the liberal arts and American Studies.
AMS	6254	Decade in Depth	3	AS	AMS		Open to non-majors. Interdisciplinary analysis of American life during a specific cultural era.
AMS	6375	The American South	3	AS	AMS		Open to non-majors. Examines the region since Reconstruction through architecture, art, literature, photography, music, history and interdisciplinary perspectives.
AMS	6805	Major Ideas in American Civilization	3	AS	AMS		Open to non-majors. Investigates the role of one or more influential ideas in American culture, e.g., community, domesticity, democracy, slavery, progressivism, radical reform.
AMS	6901	Directed Readings in American Studies	1-3	AS	AMS	PR: CI, CC. S/U.	Open to non-majors. A supervised program of intensive reading.
AMS	6915	Directed Research	1-12	AS	AMS	PR: GR, ML. S/U.	
AMS	6934	Selected Topics	1-3	AS	AMS		Open to non-majors. Variable topics such as American Autobiography, Film in American Culture, and Photography in American Culture.
AMS	6938	Seminar in American Studies	3	AS	AMS		Open to non-majors. Advanced interdisciplinary research. Topics include Popular Culture, Material Culture, Native American Culture.
AMS	6940	Internship in American Studies	1-3	AS	AMS	PR: Majors only. S/U.	A structured, out-of-class learning experience providing first hand, practical training in American Studies-related professional careers.
AMS	6971	Thesis: Master's	2-19	AS	AMS	Z/U.	
ANG	5901	Directed Reading	1-4	AS	ANT	PR: DPR. S/U.	Individual guidance in concentrated reading on a selected topic in Anthropology. Contract required prior to registration.
ANG	5910	Individual Research	2-4	AS	ANT	PR: DPR. Contract required prior to registration. S/U.	Individual guidance in selected research project.
ANG	5937	Seminar In Anthropology	2-4	AS	ANT	PR: Senior or GS.	Topics to be chosen by students and instructor.

ANG	6115	Seminar In Archaeology	3	AS	ANT	PR: GS in Anthropology.	An advanced critical survey of archaeology emphasizing contributions to applied anthropology, required of all Public Archaeology students..
ANG	6118	Topics in Archaeological Science	3	AS	ANT	PR: Graduate Standing.	This course focuses on the application of scientific methods of analysis to archaeological materials, including bone, stone, pottery, and metal. Repeatable for up to 6 hours.
ANG	6153	Topics in North American Archaeology	3	AS	ANT	PR: Graduate Standing.	Comprehensive understanding of the prehistoric development of American Indian cultures in the main geographical regions, with emphasis on current issues in cultural resource management. Repeatable for up to 6 hours.
ANG	6163	Topics in Mesoamerican Archaeology	3	AS	ANT	PR: Graduate Standing.	This course explores the distinctive features of the evolving cultural traditions of Mesoamerica. This course identifies the major issues and methodological approaches of Mesoamerican archaeology. Repeatable for up to 6 hours.
ANG	6165	Topics in South American Archaeology	3	AS	ANT	PR: Graduate Standing.	This course introduces the prehistoric and early historic cultural chronology of the South American continent, with an emphasis on current research and controversies and perspectives from cultural ecology. Repeatable for up to 6 hours
ANG	6175	Topics in Mediterranean Archaeology	3	AS	ANT	PR: Graduate Standing.	A graduate seminar in Mediterranean archaeology, spanning prehistory and the early historical period, and will examine subsistence adaptations, island settlement, trade, technology, religion, rise of complex societies and early states. Repeatable to 6 hr.
ANG	6196	Archaeology Theory and Current Issues	3	AS	ANT	PR: GS in Anthropology.	Methodology and theory in archaeology, analysis, interpretation of data.
ANG	6197	Cultural Resource Management	3	AS	ANT	PR: GS.	Current topical issues in Public Archaeology. Open to non-majors.
ANG	6198	Regional Problems in Methods of Public Archaeology	3	AS	ANT	PR: GS.	Contemporary problems in Public Archaeology in the context of a specific region. Open to non-majors.
ANG	6393	Anthropology, Contemporary	3	AS	ANT	PR: GS or CI.	Course entails the anthropological study of the roll of media in contemporary culture. Selected



		y Culture and the Media					issues include the cultural impact of images and gender/ethnic stereotypes. Special attention will be paid to ethnographic studies of media audiences, and a central theme will be the roll of media in a global, multi-cultural context.
ANG	6447	Selected Topics in Urban Anthropology	3	AS	ANT	PR: GS.	Current topical issues in Urban Anthropology. Open to non-majors.
ANG	6448	Regional Problems in Urban Anthropology	3	AS	ANT	PR: GS.	Contemporary problems in Urban Anthropology in the context of a specific region. Open to non-majors.
ANG	6463	Social Epidemiology Applied Anthropology	3	AS	ANT	PR: GS or CI.	An advanced medical anthropology course on the application of methods and concepts from social epidemiology as relevant to cultural analysis.
ANG	6465	Regional Problems in Medical Anthropology	3	AS	ANT	PR: GS.	Contemporary problems in Medical Anthropology in the context of a specific region. Open to non-majors.
ANG	6468	Applied Anthropology and International Health	3	AS	ANT		An advanced international anthropology course on the health issues, organization, people, policies and limitations of the arena of international health.
ANG	6469	Selected Topics in Medical Anthropology	3	AS	ANT	PR: GS.	Current topical issues in Medical Anthropology. Open to non-majors.
ANG	6490	Seminar in Cultural Anthropology	3	AS	ANT	PR: GS in Anthropology.	A critical advanced survey of Cultural Anthropology emphasizing contributions to Applied Anthropology, required of all MA students.
ANG	6495	Oral History and Life History: Approaches to Qualitative Research	3	AS	ANT	PR: GS or CI.	A in-depth survey of the methods, concepts, and practical applications of narrative-based qualitative research, featuring critical readings in case studies, and individual and group projects.
ANG	6511	Seminar in Physical Anthropology	3	AS	ANT	PR: GS in Anthropology.	A critical advanced survey of Physical Anthropology emphasizing contributions to Applied Anthropology.
ANG	6676	Seminar in Anthropology	3	AS	ANT	PR: GS in Anthropology.	A critical advanced survey of Anthropological Linguistics

		cal Linguistics					emphasizing contributions to Applied Anthropology.
ANG	6701	Contemporary Applied Anthropology	3	AS	ANT	PR: GS.	A critical survey of Applied Anthropology as practiced today in the major branches of Anthropology, focusing on Applied, Medical, and Urban Anthropology. Open to non-majors.
ANG	6766	Research Methods in Applied Anthropology	3	AS	ANT	PR: GS.	Research design, data collection, and data analysis for Applied Anthropologists with urban and medical interests. Emphasis will be on non-quantitative research methods. Open to non-majors.
ANG	6905	Independent Study	1-19	AS	ANT	S/U. DPR.	Independent study in which students must have a contract with an instructor.
ANG	6915	Directed Research Internship	1-19	AS	ANT	PR: GR. ML. S/U. DPR.	
ANG	6931	Master Proseminar in Applied Anthropology	3	AS	ANT		Emphasizing the process of doing \
ANG	6971	Thesis: Master's	2-19	AS	ANT	DPR.	
ANG	7703	History and Theory of Applied Anthropology	3	AS	ANT	PR: 6D in Anthropology.	The history and theoretical development of Applied Anthropology, including cultural resources management are discussed in the context of the overall development of Anthropology as a discipline and profession.
ANG	7704	Legal and Ethical Aspects of Applied Anthropology	3	AS	ANT	PR: 6D in Anthropology.	Development and nature of professional ethics in Applied Anthropology, including legal and quasi-legal regulations pertaining to human subjects research, cultural resources management, historic preservation, privacy, and freedom of information. Open to non-majors.
ANG	7750	Research Methods in Applied Anthropology	3	AS	ANT	PR: GS.	Critical review of specific approaches to the development, management, and analysis of sociocultural data. Emphasis on qualitative and quantitative applications of field oriented research designs. Open to non-majors.
ANG	7905	Directed Individual Study	1-15	AS	ANT	PR: DPR. S/U.	An advanced reading program of selected topics in Applied Anthropology under the supervision of an anthropology faculty member.

							A written contract describing requirements must be signed by the student and faculty member prior to registration.
ANG	7910	Directed Research	1-15	AS	ANT	PR: DPR. S/U. A written contract describing requirements must be signed by the student and the instructor.	An advanced directed research program in a selected topic of Applied Anthropology under the supervision of an anthropology faculty member.
ANG	7930	Principles of Human Social Organization	3	AS	ANT	PR: Advanced Graduate Standing.	A critical cross-cultural examination of principles that underlie the organization of human associations such as kinship, residence, ethnicity, reciprocity, hierarchy, stratification at levels from domestic to multinational organization.
ANG	7933	Selected Topics in Applied Anthropology	3	AS	ANT	PR: Advanced Graduate Standing.	An overview of Applied Anthropology in its relation to a major mode of public/private activity, e.g., planning, clinical practice, policy process, or advocacy. Open to non-majors.
ANG	7934	The Clientele of Applied Anthropology	3	AS	ANT	PR: Advanced Graduate Standing.	Review of the literature and practice of Applied Anthropology focusing on a specific segment or interest group within contemporary society. Typical offerings include: ethnic minorities, age categories, communities, the poor, migrants, public/private organizations, and industry. Open to non-majors.
ANG	7936	Applied Anthropology and Human Problems	3	AS	ANT	PR: Advanced Graduate Standing.	Examination of specific problem areas of social significance and policy relevance. Typical offerings include: substance abuse, disease, mental health, international development, urban design, and education. Open to non-majors.
ANG	7938	Doctoral Proseminar in Applied Anthropology	3	AS	ANT		Emphasizing the process of doing \
ANG	7940	Doctoral Internship in Applied Anthropology	1-15	AS	ANT	PR: Admission to Doctoral Candidacy, CI. S/U.	Supervised training in practicing Anthropology in a non-academic setting, focusing on the applications of Anthropology. A written contract describing requirements must be signed by the student, the faculty advisor, and the agency supervisor

							prior to registration.
ANG	7980	Dissertation: Doctoral	2-15	AS	ANT	PR: Admission to Candidacy.	
ARC	5175	Computer Technology	3	AR	ARC	PR: CC.	Introduction to the application of computer technology in current architectural practice. The exploration of available software, programs, and computer services for word processing, information handling, specification writing, feasibility analysis, cost estimating, economic performance and life cycle cost analysis, project management (network programming and analysis), computer graphics, computer aided design and drafting.
ARC	5216	The Building Arts	3	AR	ARC	PR: CC.	Introduction to the man-made environment. The study and profession of architecture. The various facets of the process of shaping the built environment as it manifests itself in the different roles and specialization of the experts involved the process, and in the various academic courses that prepare the architect for practice.
ARC	5256	Design Theory	3	AR	ARC	PR: DPR.	Survey of major schools of thought in design theory, methods of design and problem-solving, and design research. The nature of the design activity and its recurring difficulties. The nature and different types of problems. Traditional approaches to problem-solving and design in architecture; recent systematic as well as intuitive approaches to problem-solving based on developments in other fields. Scientific method; the systems approach and design.
ARC	5361	Core Design I	9	AR	ARC	PR: CC.	First of two semester Design Fundamentals/Design Graphics sequence focusing on design abstractions and analysis of the factors influencing conceptual design. Emphasis is placed on ordering principles, pattern recognition and utilization, and figure-ground relationships. Development of craftsmanship, drawing as a means to design, and perceptual acuity are stressed.
ARC	5362	Core Design II	9	AR	ARC	PR: ARC 5361, CC.	Second of a two semester Design Fundamentals/Design Graphics

						sequence focusing on synthesis of design concepts and application of ordering principles in architectural design. Emphasis is placed on developing an understanding and awareness of architectural elements and compositions. Students examine the work of significant architects and use it as a basis for design exploration. Graphic documentation, diagramming, and model studies are stressed.
ARC	5363	Core Design III	6	AR	ARC	PR: ARC 5362, ARC 5467, ARC 5587, ARC 5731. CO: ARC 5689. Study of the various phases of the building delivery and design process, and of different approaches to ordering that process in a systematic fashion. The student will use one such systematic approach in the investigation and development of design solutions for a project of moderate scale and complexity. Studies of built form ordering principles, mass/void relationships, scale and proportion, color, texture, contextual relationships, meaning/imagery, and building technology (awareness of structural organization, services networks, construction processes and materials). Aspects of human behavior as design determinants.
ARC	5364	Advanced Design A	6	AR	ARC	PR: ARC 5363. CP: ARC 5588, ARC 5467. Application of orderly design processes to building projects of moderate complexity and scale. Continued investigation of the relationship between human behavior and the environment. Analysis and integration of site relationships into the development of design solutions. Legal aspects of zoning, building codes, and regulations regarding access for accessibility, fire escape, etc.
ARC	5365	Advanced Design B	6	AR	ARC	PR: ARC 5363. CP: ARC 5588, ARC 5467. Investigation of the interaction between user requirements, environmental determinants, site and urban context conditions, technological factors, and design intentions in the development of design solutions for projects of medium scale and complexity. The analysis, design, and coordination of the various resulting systems, including structural, circulation,

						service networks, space zoning and use, environmental control systems at the interface between interior and exterior of a building. Representation of these relationships and systems in diagrams and models, and their manifestation in design and construction details.	
ARC	5366	Advanced Design C	6	AR	ARC	PR: ARC 5363. CP: ARC 5588, ARC 5467.	Design of multi-purpose buildings of medium to large scale and complexity. Issues of community and neighborhood design as they relate to the design of buildings. Restoration and adaptive re-use of existing historic buildings. Focus on thinking through as well as documenting the complete building system and process.
ARC	5467	Materials and Methods of Construction	4	AR	ARC	PR: ARC 5470, CC.	Overview of properties of primary materials and construction systems which comprise building structure and enclosure. Emphasis on interface and connection of elements and assemblies, relative to climate, assembly processes, costs, codes, and craftsmanship. Lab sessions include field trips to manufacturing facilities, construction sites, and preparation of drawings and models of assemblies.
ARC	5470	Introduction to Technology	3	AR	ARC		Introduction to architectural technology, including structures, materials and methods of construction, and environmental controls. Overview of building systems and components and their integration into architectural design projects.
ARC	5587	Structures I	3	AR	ARC	PR: Calculus, Physics, and ARC 5470, CC.	Review of static and mechanical principles of materials. Analysis and evaluation for appropriate selection of structural systems and elements. Analysis and design of timber and steel structures, based on moment, shear, and deflection. Fundamentals of wind and seismic design as they apply to wood and steel construction. Truss analysis, beam and column behavior.
ARC	5588	Structures II	3	AR	ARC	PR: ARC 5587, CC.	Introduction to the concepts and theories of structural analysis and design of reinforced concrete systems and elements, including practical application in building

							construction. Prestressing, post-tensioning, hybrid assemblies. Fundamentals of wind and seismic design. Formwork, placement, and assembly techniques.
ARC	5689	Environmental Technology	4	AR	ARC	PR: Physics, ARC 5470, CC.	Comprehensive review of mechanical, electrical, and plumbing systems for buildings. Energy utilization, heating and cooling, water delivery and waste removal, fire protection, illumination, transportation systems, and acoustics. Lab exercises include computer simulations, illumination studies, thermal performance studies.
ARC	5731	Architectural History I	3	AR	ARC		Overview of the built environment from prehistory through the Middle Ages. Buildings and cities in their geographical, topographical, political, aesthetic, social, technological and economic context. Varieties of methodological approaches to the analysis of historical architecture. The focus will be on the built environment of Europe and the Mediterranean basin.
ARC	5732	Architectural History II	3	AR	ARC		Overview of the built environment from the Renaissance to the present. Buildings and cities in their geographical, topographical, political, aesthetic, social, technological, and economic context. Study of various methodological approaches to the analysis of historic architecture, and development of student's own approach. Emphasis will be on the built environment of Europe and America.
ARC	5789	Modern Architecture History	3	AR	ARC	PR: CC, CI.	Exploration of the philosophic, economic, aesthetic, social, historical and moral imperatives used by modern architects and historians in their attempt to design the appropriate physical environment for a new social order. The course will investigate the writings and works of the proponents of the modern style of architecture and study the \
ARC	5793	History Abroad	3	AR	ARC	PR: CC.	Summer study abroad. Location and description varies from year to year.
ARC	5794	Florida Architectural History	3	AR	ARC		An examination of the environmental, sociological, technological, political, economic, cultural, and other factors that

							influenced the discovery, growth, and urbanization of Florida as manifested by its architecture.
ARC	5920	Architectural Design Studio Abroad	5	AR	ARC	PR: CC.	Summer study abroad. Location and description varies from year to year.
ARC	5931	Special Studies in Architecture	1-5	AR	ARC	PR: CC.	Variable titles offered on topics of special interest.
ARC	6176	Advanced Computer Technology	3	AR	ARC	PR: ARC 5175, CC.	Elective course dealing with further development of CAD skills, focusing on three-dimensional modeling. A wide range of software programs is included which explores painting and shading, surface textures, 3D detail studies, perspectives, and oblique representations.
ARC	6287	Professional Practice I	3	AR	ARC	PR: ARC 5216, ARC 5364, CC.	Introduction and overview of professional practice, emphasizing business, organization, management, and marketing. Legal, economic, and ethical aspects of project procurement, design services, and delivery. Contracts, owner-contractor-architect roles and responsibilities.
ARC	6288	Professional Practice II	3	AR	ARC	PR: ARC 6287, CC.	Continued overview of professional practice, emphasizing legal, economic, and ethical aspects of practice. Project planning, funding, administration, risk management, and performance. Topics include: estimating, financing, life-cycle cost analysis, information resources and management.
ARC	6367	Advanced Design D	6	AR	ARC	PR: ARC 5364, ARC 5365, ARC 5366	Comprehensive studio problems emphasizing the integration of disciplinary and professional skills through the formulation of architectural propositions grounded in critical, speculative, and creative research.
ARC	6397	Introduction to Urban Design Theory, Methods & Processes	3	AR	ARC	PR: CC.	Introduction to the concepts, methods, and manifestations of urban design and city-building. Focus on both traditional city and modern city conditions. Student will gain a basic understanding of the design structure, order, function and character of cities and towns and assess various qualitative aspects of these conditions. Relationships between processes of architecture,



							landscape architecture, site planning, preservation and other relevant acts of city-building will be considered as referential points-of view in assessing certain complexities of urban morphology.
ARC	6471	Advanced Topics in Materials and Methods	3	AR	ARC	PR: ARC 5175, ARC 5587, and ARC 5588, CC.	Analysis and design of advanced construction assemblies. Specific focus on application and integration of multiple systems and components. Research in new materials and methods. Documentation and model and analysis.
ARC	6481	Design Development	4	AR	ARC	PR: ARC 5467, ARC 5588, ARC 5689, ARC 5365	Summary course in the technology sequence in which construction, structural, and environmental technology systems are integrated within architectural design projects. Emphasis is placed on the poetic as well as the technical aspects of building systems.
ARC	6692	Advanced Topics In Environmental Technology	3	AR	ARC	PR: ARC 5175, ARC 5689, CC.	Analysis and preliminary design of advanced environmental control systems; specific focus on architectural applications; integration with structural and construction systems. Research of special aspects of ET systems, computer simulation and analysis techniques.
ARC	6971	Master's Project	6	AR	ARC	PR: ARC 6974.	The Master's Thesis represents the most significant project in the student's academic preparation for a career in architecture, and the demonstration of the student's ability to synthesize learned skills into a convincing independent work of professional quality. The Master's Thesis will typically be a major design project, although the format of a more traditionally academic thesis is also possible. In either case, the student will work with a committee composed of advisors of his/her choice in selecting the topic of the project, organizing and carrying out the work in an independent and self-paced manner. The outcome should be an original project which demonstrates the student's academic and professional competence according to the state of the art.
ARC	6974	Master's Project	3	AR	ARC	PR: Two of ARC 5364,	The Master's Project (ARC 6971) will call for the student's independent

		Planning				5365, 5366	selection, organization, programming and design of a complex project. This course aims at preparing students for these tasks by exploring potential topics for master's projects and theses, introducing the concepts of architectural facility programming, methods of gathering, organization, analysis and evaluation of information needed for the project, and by studying the process of writing proposals for the master's project that clearly communicate the problem or task, goals and objectives, the proposed approach and procedure, the expected outcome, as well as the work plan and schedule for such a project and the time and resources required. At the end of the course, students will have prepared an acceptable master's project proposal which will allow them to proceed with the master's project during the following term.
ARE	6262	Management Design for Art Institutions	3	VP	ART		Principles of administration and supervision of art programs in the school and art institutions.
ARE	6358	Art for the Elementary School Teacher	3	VP	ART		Exploration of various materials and techniques in relationship to current theories about art and the intellectual, creative, emotional, and aesthetic growth of children.
ARE	6746	Basis of Inquiry Into Artistic Mind	3	VP	ART		An in-depth study of the contemporary basis of inquiry into artistic mind including a multi-disciplined review of literature and research in art education. Includes a visual inquiry project.
ARE	6844	Experiential and Theoretical Basis of Artistic Mind	3	VP	ART		Experiential and theoretical explorations into past and contemporary philosophies and practices in art and art education.
ARE	6944	Field Work in Art Education	1-4	VP	EDA		For student with degree-seeking status. Supervised participation in activities related to art education in community centers, nonschool arts program, planned workshop and research.
ARH	5451	Cultural and Intellectual History of Modern Art	4	VP	ART	PR: CI.	A course in which theories of modern artists and of critics and historians of Modernism are treated as a part of general cultural and

							intellectual history.
ARH	5795	Methods of Art History	4	VP	ART	Must be taken during the student's first two semesters in the M.A. program	This course introduces students to various methods which art historians have used to analyze the form and content of individual works of art, and to various modes of historical explanation.
ARH	5797	Gallery and Museum Internship	2-6	VP	ART	Students are eligible after completing one semester in the program. S/U only. Registration by contract only.	By working in Bay Area museums or galleries, students will become familiar with various museological operations. Internships vary owing to the work at hand in particular museums, but possible areas of work include registration, installation, conversation, writing of grants, or museum education.
ARH	5833	The Atelier, Its Management and History	3	VP	ART		This class will consider the history of printmaking and other forms of collaborative art production through the prism of the atelier and its management.
ARH	5836	Collection and Exhibition Management	3	VP	ART	PR: Art Advisor's Approval	This class will introduce students to the basic principles of collections care and management and to the intellectual and practical tasks of preparing an exhibition. Sessions will include art handling, registration and condition reporting, preparing works of art for transit, environmental standards for collections storage and exhibition, and the professional responsibilities of the curator.
ARH	5839	Problems in Museum Studies	3	VP	ART	PR: Art Advisor's Approval	This class is designed as both an academic and theoretical course to introduce students to the museum profession and develop critical thinking skills required to solve problems in the rapidly changing typography of museums. Students will develop managerial and administrative skills as they meet with and discuss the job descriptions of curators, educators, collection managers, marketing professionals, exhibit designers, registrars, and fundraisers.
ARH	6055	Art History	4	VP	ART	PR: CI. Registration by contract only.	A contract for research in any elective area of Art History.
ARH	6798	Seminar In Art History	4	VP	ART		Var. Specialized topics in art history.
ARH	6865	Current Historiography	4	VP	ART		This course explores current perspectives on problems of

		hy: Renaissance					Renaissance historiography.
ARH	6866	Current Historiography: Baroque- Rococo	4	VP	ART		This course explores current perspectives on problems of Baroque and Rococo historiography.
ARH	6867	Current Historiography: 19th Century	4	VP	ART		This course explores current perspectives on problems in the historiography of 19th Century Art.
ARH	6868	Current Historiography: 20th Century	4	VP	ART		Cultural and intellectual history of modern art
ARH	6891	Paris Art History	4	VP	ART	PR: At least 8 hours art history at the undergraduate level	This course will explore issues central to the history and criticism of art through the rich and visual culture that Paris offers. The goal of this course is to provide students with an experience of the cultural life of the city through an exploration of its major art collections, monuments, art collections and historical sites. Thematically-organized topic will include: art and national identity, patronage, orientalism, the birth of the avant-garde and the role of the museum in the evolution of modernism and modern art.
ART	5390C	Drawing	4	VP	ART	PR: ART 4320C, CI, DPR.	Advanced problems in various drawing techniques. Emphasis on individual creative expression. Repeatable.
ART	5422C	Lithography	4	VP	ART	PR: ART 4402C, CI, DPR.	Advanced problems in various lithographic techniques. Emphasis on individual creative expression. Repeatable.
ART	5448C	Intaglio	4	VP	ART	PR: CI. Registration by contract only.	Investigations into more complex intaglio processes including photoengraving and color printing procedures. Emphasis on personal conceptual development in graphic media.
ART	5580C	Painting	4	VP	ART	PR: CI. Registration by contract only.	Research in painting
ART	5740C	Sculpture	4	VP	ART	PR: ART 2701C, DPR.	Advanced problems in the various techniques of sculpture. Emphasis on individual creative expression. Repeatable.
ART	5790C	Ceramics	4	VP	ART	PR: ART 2750C, DPR.	Advanced problems in the various ceramic techniques, including throwing and glaze calculation. Repeatable.

ART	5910	Research	1-4	VP	ART	PR: CI, DPR. Registration by contract only. Repeatable.	
ART	5936	Studio Techniques: Selected Projects	2	VP	ART	PR: DPR.	Concentration in specialized media or processes. Repeatable.
ART	6391C	Drawing	4	VP	ART	PR: CI. Registration by contract only.	Advanced graduate research in drawing.
ART	6423C	Lithography	4	VP	ART	PR: CI. Registration by contract only.	Advanced graduate research in lithography.
ART	6449C	Intaglio	4	VP	ART	PR: CI. Registration by contract only.	Advanced graduate research in intaglio process.
ART	6581C	Painting	4	VP	ART	PR: CI. Registration by contract only.	Advanced graduate research in painting.
ART	6688	Electronic Media	4	VP	ART	PR: GS, CI, proof of proficiency in media.	Advanced projects in the exploration of the issues and practices involved in the creation of experimental computer art at the graduate level. Emphasis on individual creative expression. May be repeated.
ART	6791C	Ceramics	4	VP	ART	PR: CI. Registration by contract only.	Advanced graduate research in ceramics.
ART	6792C	Sculpture	4	VP	ART		Advanced problems in the various techniques of sculpture. Emphasis on individual creative expression. Repeatable.
ART	6811	Paris Art Studio	3	VP	ART	PR: Dept Approval Required	This course will explore the experience of modern life in the city as a source for art making. Projects will encourage students to encounter the dense and varied space and time of Paris toward a better understanding of the part that this city has played in the shaping of modern and post modern sensibilities. We will draw upon a range of avant-garde strategies that have imagined and conceptualized Paris by movement through city spaces and close observation of the ordinary and extraordinary aspects of everyday life.
ART	6890	Graduate Seminar I	3	VP	ART		This seminar will expand students understanding of the complexities of contemporary art. Students will develop an awareness of current critical theories through readings,

							writings and discussions. Restricted to majors and is non-repeatable.
ART	6891	Graduate Seminar II	3	VP	ART	PR: Graduate Seminar I.	This course facilitates a critical awareness of the self-reflexive nature of artistic vision within a larger cultural context including the relevance of one's work in relationship to contemporary art theory. Restricted to majors and is non-repeatable.
ART	6897	Critical Writing Seminar	3	VP	ART	PR: Departmental Permission, Majors Only.	Significant texts of the 20th Century and contemporary criticism introduce multiple lenses through which art is encountered, inviting self identification within a broad range of engaged positions. This forms the core of the MFA Research Project Proposal.
ART	6907	Independent Study	1-19	VP	ART	PR: CI. Registration by contract only. Achieved candidacy. S/U.	Independent study in which student must have a contract with an instructor.
ART	6911	Directed Research	1-19	VP	ART	PR: CI. Registration by contract only. Achieved candidacy.	
ART	6937	Graduate Instruction Methods	1-4	VP	ART	S/U. CI. Registration by contract only.	Special course to be used primarily for the training of graduate teaching assistants.
ART	6940	Selected Topics In Art	1-4	VP	ART		Variable credit depending upon the scope and magnitude of the work agreed to by the student and the responsible member of the faculty.
ART	6956	MFA Research Project	2-19	VP	ART	PR: CI.	Development/Finalization of MFA Research Project, including the planning and realization of an exhibition and a written document articulating ideas, processes, and sources related to the project. Usually taken during last year.
ART	6971	Thesis: Master's	2-19	VP	ART	PR: CI, S/U. Registration by contract only.	
ART	6999	MFA Professional Practices	2	VP	ART		MFA students will analyze their experiences and explore options available to visual artists after completion of their degree. Restricted to majors; not repeatable for credit.
AST	5506	Introduction to Celestial Mechanics	3	AS	AST	PR: MAC 2313 or MAC 2283 and some	The two-body problem, introduction to Hamiltonian systems and canonical variables, equilibrium

						knowledge of differential equations, or CI.	solutions and stability, elements of perturbation theory.
AST	5932	Selected Topics in Astronomy	1-5	AS	AST	PR: Senior or advanced junior standing or CI.	Intensive coverage of special topics to suit needs of advanced students.
BCH	5045	Biochemistry Core Course	3	AS	CHM	PR: Either CHM 2211, CHM 2211L, and CHM 3400 or CHM 4410 or graduate standing.	A one-semester survey course in biochemistry for graduate students in chemistry, biology, and other appropriate fields and for particularly well-qualified undergraduates. Lec.
BCH	5105	Biochemistry Laboratory Rotations	1-3	AS	CHM		A course in which first year graduate students rotate through selected professor's laboratories to learn techniques, become familiar with ongoing research in the Department and facilitate the selection of a mentor.
BCH	6627	Metabolic Basis of Disease	2	ME	MSG	PR: BS degree: Chemistry, Biology, Microbiology, Biochemistry.	The course will deal with the genetic, molecular, and biochemical basis of human diseases.
BCH	6888	Bioinformatics		AS	CHM		An introduction to computer software applications for research in Biochemistry and Molecular Biology. Emphasis on database searching and submission, data analysis and graphical presentation, DNA and protein sequence analysis and molecular modeling. Lec./Pro.
BCH	6935	Scientific Writing and Ethics	2	AS	CHM		
BME	5006	Theory and Design of Bioprocesses	3	EN	ECH	PR: Senior standing in engineering or CI. Open to majors and non-majors with CI.	Introduction to biotechnology, including applied microbiology, enzyme technology, biomass production, bioreactor design, and transport processes in biosystems.
BME	5040	Pharmaceutical Engineering	2	EN	ECH	PR: Senior or graduate standing in engineering or CI.	Introduction to pharmaceutical engineering, including dosage forms (tablets, capsules, powders, liquids, topical forms, and aerosols), excipients, regulatory issues, clinical studies, and good manufacturing practices.
BME	5910	Directed Research in Bioengineering	1-3	EN	ECH	PR: CI.	Directed research in an area of biomedical engineering or engineering biotechnology.

		ng					
BME	5937	Selected Topics in Biomedical Engineering	1-3	EN	ECH	PR: Senior or GS standing in Engineering or CI. Open to non-engineering students with CI.	Selected topics in biomedical engineering, including biomedical engineering, biomedical materials, biodynamics of circulation, separation processes in biomedical systems, and artificial organ systems. May be taken by non-engineering students with CI. Repeatable as subjects vary.
BME	6034	Biofluid Mechanics and Bioheat Transfer	3	EN	ECH	PR: Graduate standing in engineering or CI.	Analysis and applications of biofluids, including nonNewtonian fluids and particulate systems, and bioheat transfer, including energy balances, heat and temperature regulation, clinical situations, and modeling. Open to nonmajors with CI.
BME	6107	Biomaterials and Biocompatibility	3	EN	EGX		Physical and chemical properties of biomaterials, failure mechanisms, performance in vivo, interfacial phenomena and biocompatibility, including host response to implants. Also will discuss the regulatory aspects of biomaterials.
BME	6335	Tissue Biomechanics	3	EN	ECH	PR: Graduate standing in engineering or CI.	Biomechanical properties of hard and soft tissues, including measurement procedures, influences on properties (gender, aging, physical conditioning, disease processes), tissue repair, and implant devices. Open to nonmajors with CI.
BME	6340	Biomedical Fluids and Cardiovascular Engineering	3	EN	ECH	PR: Graduate standing in engineering or CI.	Roles of mechanics & transport phenomena in pathology, diagnosis & treatment of cardiovascular disease. Intro to methods for assessing hemodynamics & cardiovascular health -Doppler echocardiography & MRI. Cardiovascular devices. Open to nonmajors.
BMS	5015	Clinical Diagnosis and Reasoning	var.	ME	MSG		This course aims to provide the student with the opportunity to \
BMS	5190	Anatomy by Diagnostic Testing	1-20	ME	MSG		Describing normal human anatomy in three dimensions (frontal, coronal, and axial), using contrast medical and imaging modalities available for diagnostic radiologists. Course will be oriented to organ systems describing anatomy of the organ and its vasculature and topographic anatomy. It will include didactic



							lecture series and a standing display of images for self-studies. Plain radiographs, contrast studies of gastrointestinal and urinary tract, arteriograms, computed tomograms, magnetic resonance, and ultrasound scans of body organs will be displayed.
BMS	6100C	Gross Anatomy	5-10	ME	MSG	PR: Anatomy Students only.	
BMS	6110	Microscopic Anatomy	5-10	ME	MSG	PR: Anatomy Students only.	
BMS	6206	Molecular Medicine	1-20	ME	MSG		Emphasis of biochemistry, cell biology, and genetic that have immediate relevance for clinical medicine while also providing a fundamental foundation of understanding that will permit life-long learning. The pathogenesis of disease will be understood based on a practical understanding gained from the students address in this course.
BMS	6300	Principles of Immunology and Infectious Diseases	var.	ME	MSG		This course consists of lectures, laboratory, and small-group conferences. Principles of infectious disease are presented with emphasis on both the characteristics of the causative agent and the host response to colonization activities.
BMS	7303	Clinical Microbiology and Immunology	var.	ME	MSG		This course will focus on an experiential approach to issues in clinical microbiology and immunology of relevance to the practicing physician.
BMS	7304	Review of Immune and Infectious Diseases	var.	ME	MSG		This course will focus on a review of the major immune and infectious diseases that may be encountered by the general physician.
BOT	5185C	Marine Botany	4	AS	BIO	PR: BOT 3373C, PCB 3043 or CI.	A field course in marine plants with emphasis on ecology and functional morphology. Field work will stress the ecological aspects of plants in a subtropical marine environment in Florida. Lec/Lab.
BOT	5725C	Evolution of Flowering Plants	3	AS	BIO	PR: BOT 3373C and BOT 4152C or CI.	A study of the evolution and phylogeny of the Angiosperms; the origin and nature of early angiosperms, \
BSC	5931	Selected Topics in Biology	1-4	AS	BIO	PR: CI.	
BSC	6907	Independent Study	1-19	AS	BIO	PR: CI. S/U.	Independent study in which student must have a contract with an

							instructor.
BSC	6910	Directed Research	1-19	AS	BIO	PR: CI. S/U.	
BSC	6930	Lectures in Contemporary Biology	1	AS	BIO	PR: CC. S/U only.	This Biology lecture series includes a diversity of contemporary topics including: molecular regulatory mechanics, evolutionary genetics, organismal physiology and community ecology.
BSC	6931	Development and Physiology Seminar	1	AS	BIO		A critical examination and discussion of current literature of physiology and development of living organism, including cells.
BSC	6932	Selected Topics in Biology	1-4	AS	BIO	PR: CI.	
BSC	6935	Graduate Seminar in Biology	1	AS	BIO	PR: CI. S/U.	
BSC	6936	Scientific Grant Writing	3	AS	BIO		Course provides instruction on becoming a successful grant writer as well as understanding the grant proposal writing and review process. Responsibilities of the principle investigator for compliance, fiscal matters, and scientific management of the funded grant will also be covered with guest lecturers from the Division of Sponsored Research.
BSC	6945	Graduate Instruction Methods	1-3	AS	BIO	PR: CI. S/U only.	Special course to be used primarily for the training of teaching assistants.
BSC	6971	Thesis: Master's	2-19	AS	BIO	PR: CI.	Thesis: Master's
BSC	7912	Directed Research	1-19	AS	BIO	PR: CI. Ph.D. level. S/U.	
BSC	7936	Doctoral Seminar	1	AS	BIO	PR: 90 semester hours post B.S.	Graduating Ph.D. students will present a formal seminar based upon their dissertation to the Department of Biology and the public. Restricted to majors.
BSC	7980	Dissertation: Doctoral	2-19	AS	BIO	PR: CI.	
BTE	5171	Curriculum Construction: Business Education	3	ED	EDV		Curriculum scope, the process of planning and organizing instructional programs with emphasis on task analysis and process evaluation.
BTE	6944	Practicum: Business Education	3-6	ED	EDV		A problem-centered field study in the local community, school, government, office, social agency, business, or industry.
BUL	5332	Law and the Accountant	3	BA	GBA	PR: BUL 3320 or CI.	A comprehensive study of commercial law as it affects the practice of accounting.

CAP	5400	Digital Image Processing	3	EN	ESB	PR: EEL 4851C or GS.	Image formation, sources of image degradation, image enhancement techniques, edge detection operators and threshold selection, low-level processing algorithms for vision, image data compression.
CAP	5625	Introduction to Artificial Intelligence	3	EN	ESB	PR: EEL 4851C or GS.	Basic concepts, tools, and techniques used to produce and study intelligent behavior. Organizing knowledge, exploiting constraints, searching spaces, understanding natural languages, and problem solving strategies.
CAP	5682	Expert And Intelligent Systems	3	EN	ESB	PR: EEL 4851C or GS.	Basic concepts, techniques and tools for the design and implementation of expert and intelligent systems. Knowledge representation, inference methods, knowledge acquisition methods, and some advanced concepts. Tools to facilitate construction of expert and intelligent systems.
CAP	6100	Human Computer Interface	3	EN	ESB	PR: CI.	Introduction to the design and evaluation of the interface between a computer based application and a human user.
CAP	6415	Computer Vision	3	EN	ESB	PR: CAP 5400.	Techniques for description and recognition of objects, use of stereo, texture, and motion information for scene segmentation and description, consistent labeling and matching, use of knowledge and planning in computer vision.
CAP	6615	Neural Networks	3	EN	ESB	PR: CAP 5600.	Defines models of artificial neural networks, compares these models, and investigates the relationship of neural network learning to other symbolic learning methods.
CAP	6638	Geometric/Statistical Pattern Recognition Technology	3	EN	ESB	PR: CI.	
CAP	6672	Robot Intelligence and Computer Vision	3	EN	ESB	PR: COP 2400 or equiv.	An introduction to robotic systems with emphasis on the computational aspects of robot control. Topics for discussion: overview of the robotics field, analysis of robot arm kinematics and coordinate transformation, real-time computer control of robot arms, and computer vision. Practical experience in programming robotic systems will be included.

CCE	5035	Construction Management & Planning	3	EN	EGX	PR: EGN 3613C.	Fundamentals of construction management. Topics include: general definitions, organizational roles, types of contracts, analysis of labor and equipment, cost estimating, contractor cash flow analysis, planning and scheduling, project control, construction administration, quality and safety management, and use of computer software in construction management.
CCJ	6050	Pro Seminar in Criminology	1	AS	CJP	PR: CI. Should be taken during the first semester.	Provides a forum for presentation and discussion of research ideas by faculty, students, and guests, with a view toward the development of thesis topics.
CCJ	6285	Law, Crime and Justice	4	AS	CJP	PR: CI	An exposition of historical and contemporary legal principles, procedures, and issues as reflected in Constitutional provision, statutes, and case law.
CCJ	6406	Theory, Practice, and Research in Law Enforcement	3	AS	CJP	PR: CI	This issue-oriented course explores the relationships among theory, practice, and research as these are reflected in the problems and challenges that confront law enforcement.
CCJ	6605	Theoretical Approaches to Criminal Behavior	4	AS	CJP	PR: CI.	An introduction to, and comparison of, major historical and contemporary theories that seek to explain criminal behavior.
CCJ	6705	Research Methods in Criminology	4	AS	CJP	PR: CCJ 6920, CI	Introduction to the basic methods of criminological research; overviews philosophy of science, research ethics, research design issues such as sampling and measurement, and methods of data collection, including survey, experimental, and evaluation research.
CCJ	6706	Quantitative Analysis in Criminology I	4	AS	CJP	PR: CCJ 6705, CI.	Introduction to data management utilizing computer statistical packages and elementary statistical techniques used in criminological research: descriptive and inferential statistics, group comparisons, measures of association, linear regression.
CCJ	6707	Quantitative Analysis in Criminology II	4	AS	CJP	PR: CCJ 6706, CI.	Intermediate-level data analysis and statistical techniques applied to problems in criminology. Emphasis on multivariate techniques, including multiple regression, path analysis, and nonlinear models.
CCJ	6708	Quantitative	3	AS	CJP	PR: CCJ 6707	This course familiarizes students

		Analysis in Criminology III				or equivalent.	with advanced multivariate linear and nonlinear statistical procedures appropriate for analyzing criminological data.
CCJ	6709	Qualitative Methods in Criminology	3	AS	CJP	PR: CCJ 6705.	An in-depth analysis and discussion of several qualitative perspectives and corresponding methodological designs as they pertain to criminological research and inquiry.
CCJ	6716	Evaluation Research in Criminology	3	AS	CJP	PR: CCJ 6705.	This course provides basic and advanced methods of evaluation research in a real world environment, paying particular attention to the idiosyncracies of working with and within the Criminal Justice System. Grant preparation, survey techniques, and research design will be covered along with the policies, pressures, and peculiarities associated with evaluating agencies.
CCJ	6905	Directed Independent Study	1-12	AS	CJP	Majors only.	Independent study in which student must have contract with instructor.
CCJ	6910	Directed Research	1-19	AS	CJP	PR: CI. S/U.	
CCJ	6930	Current Issues in Corrections	3	AS	CJP	PR: CI. Repeatable with different subject matter.	This course is designed to review and analyze the major issues and dilemmas that confront corrections today, including overcrowding, inmate rights, privatization, control of gangs, control of inmates, and the availability of programs and services. Attention will also focus on the strategies and/or controversies associated with these issues.
CCJ	6931	Seminar in Criminological Theory	3	AS	CJP	PR: CCJ 6605. Repeatable with different subject matter.	This course is designed to provide an in-depth analysis of specific theoretical issues in criminology.
CCJ	6935	Topics in Criminology and Criminal Justice	3	AS	CJP	PR: CI.	Analysis and discussion of topics of major concern in criminology and criminal justice that are not covered in regular courses.
CCJ	6971	Thesis: Master's	2-19	AS	CJP	PR: CI.	
CCJ	6974	Area Project	1-12	AS	CJP	PR: GS in the Department and CI. Required of students not using the thesis option. Maximum of 3 hours toward the Master's	

						degree. S/U.	
CCJ	7910	Advanced Research	1-12	AS	CJP	Doctoral Students only.	Course is designed to give students an opportunity to conduct independent research under the supervision of a faculty member. May be repeated.
CCJ	7980	Doctoral Dissertation	2-12	AS	CJP		
CEG	5115	Foundation Engineering	3	EN	EGX	PR: CEG 4011 or CI.	Design of shallow foundations, cantilevered and anchored retaining walls, piling, drilled piers and special foundations. Computer applications to geotechnical engineering are covered.
CEG	5205	Laboratory Testing for Geotechnical Engineers	3	EN	EGX	PR: CEG 4011 or CI.	Both routine and advanced forms of soil testing are covered. Emphasis is placed on procedures and application of results to design.
CEG	6015	Advanced Geotechnical Topics	3	EN	EGX	PR: CEG 4011, CEG 4011L, CEG 5205.	Advanced concepts of shear strength and consolidation of soils; slope stability, nonlinear and secondary consolidation, numerical methods.
CEG	6065	Soil Dynamics	3	EN	EGX	PR: CEG 4011, CEG 4011L, CEG 4012.	Fundamentals of vibrations, wave propagation, design of foundations, retaining walls and slopes to resist vibrations, liquefaction of soils.
CEG	6415	Seepage and Subsurface Drainage	3	EN	EGX	CR: CEG 4011 or CI.	Design of underdrains, wells, soil filters, fabric filters, and dewatering systems with special emphasis on case studies.
CES	5105C	Advanced Mechanics of Materials I	3	EN	EGX	PR: EGN 3331, MAP 2302	Analytical study of the mechanical behavior of deformable solids. Basic concepts, stress and strain transformations, special topics in beams, theory of elasticity, criteria of failure, beams on elastic foundation.
CES	5209	Structural Dynamics	3	EN	EGX	PR: CES 3102, EGN 3321.	Behavior of structural components and systems when subjected to periodic dynamic loads.
CES	5715C	Prestressed Concrete	3	EN	EGX	PR: CI, majors only.	Fundamental principles of prestressing; calculation of losses; stress analysis and design of simple beams for flexure and shear. Examples of pressures applications.
CES	6103	Experimental Stress Analysis	3	EN	EGX	PR: EGN 3331, EGN 3373	This course will provide the tools of research necessary to design experiments and/or instrumentation schemes for directed studies. It is intended for structural and geotechnical engineering graduates conducting master's or doctoral research.
CES	6107C	Advanced Mechanics	3	EN	EGX	PR: CES 5105C.	Continuation of CES 5105C. Structural stability of beam-columns

		Of Materials II					and frames, calculus of variations and energy methods, introduction to viscoelasticity and plasticity.
CES	6116	Finite Element Analysis II	3	EN	EGX	PR: CES 4141	Finite Element method for structural analysis. Weighted residual and variational methods. Analysis of frame, plane stress/strain, axisymmetric, torsion, plate bending, shell and 3-dimensional elastic problems. Analysis of heat conduction, fluid flow, and electric and magnetic potential problems.
CES	6117	Finite Element Analysis III	3	EN	EGX	PR: CES 6116.	Nonlinear geometric and material finite element for formulation for trusses and frames. P-Delta and large deformation theories. Solution strategies for static and dynamic loads. Displacement and Flexibility approach for solution of problems. Mixed variational principles. Computational plasticity. Transient analysis of structures.
CES	6326	Design of Concrete Bridges	3	EN	EGX	PR: CES 4702, CES 5715.	Bridge Classification, AASHTO loads and load combinations, load distribution, design of typical superstructures and substructures for concrete and prestressed bridges.
CES	6586	Design of Structures to Resist Natural Hazards	3	EN	EGX		Study of natural hazards (wind, earthquakes & ocean waves) and their interaction with structures. Use of exact and approximate methods of analysis, computer modeling, and design provisions for structures to resist the aforementioned loads.
CES	6609	Advanced Steel Design	3	EN	EGX	PR: CES 4605.	Advanced topics in steel design. Topics covered include connection design, torsion of wide range sections, and optimum structural design.
CES	6716	Design of Continuous Post-Tensioned Structures	3	EN	EGX		Methods of analysis and design of post-tensioned statically indeterminate structures. Emphasis will be on the design of two-way slabs for floor systems using the equivalent frame method and load balancing.
CES	6726	Advanced Concrete Design	3	EN	EGX	PR: CES 4702, majors only.	Advanced topics in concrete designs. Topics include torsion two way floor systems, composite construction, slabs on grade, and deep beams.
CGN	5933	Special Topics in Civil Engineering	1-5	EN	EGX	PR: CI.	New technical topics of interest to civil engineering students.

		and Mechanics					
CGN	6906	Independent Study	1-19	EN	EGX	PR: CI. S/U.	Independent study in which students must have a contract with an instructor.
CGN	6915	Directed Research	1-19	EN	EGX	PR: GS, CI. S/U.	
CGN	6933	Special Topics in Civil and Environmental Engineering	1-4	EN	EGX	PR: CI	
CGN	6941	Graduate Instruction Methods	1-5	EN	EGX	PR: GS, CC. Majors only. S/U.	Special course to be used primarily for the training of graduate teaching assistants.
CGN	6971	Thesis: Master's	2-19	EN	EGX	PR: GS, CI. Majors only.	
CGN	7915	Directed Research	1-19	EN	EGX	PR: GS, CI. Ph.D. level. S/U.	
CGN	7980	Dissertation Doctoral	2-19	EN	EGX	PR: GS, CI, Admission to Candidacy, majors only. S/U.	
CGS	5765	Introduction to Unix and C	3	EN	ESB	No credit for Department of Computer Science & Engineering majors.	Unix operating system. Internet resources. Netscape, WWW and HTML. ANSI C language, syntax. Arrays and pointers. Iterations and recursions. Header files and macros. C libraries. Structuring data. File I/O.
CGS	6210	Microcomputer Hardware Systems for Education	3	ED	EDK	PR: Computer literacy	This course focuses on the development of an understanding of microcomputer hardware that allows individuals to teach as well as make decisions concerning purchase, repair, and appropriate use. Topics include: basic concepts of digital electronics, the operation of a digital computer system, major categories of computer peripherals, historical development of electronic computers, and selection and maintenance of computers in an educational setting.
CHM	5225	Intermediate Organic Chemistry I	3	AS	CHM	PR: CHM 2211, CHM 2211L, or equivalent or CI or GS.	This course will extend organic chemistry beyond the undergraduate level and will emphasize concepts of stereochemistry and reaction mechanisms.
CHM	5226	Intermediate Organic Chemistry II	3	AS	CHM	PR: CHM 5225 or CI.	An introduction to synthetic organic chemistry for graduate students and advanced undergraduates. Lec.



							Semester II.
CHM	5425	Applications in Physical Chemistry	3	AS	CHM	PR: CHM 4412 and CHM 4410 or CI or GS.	Applications of chemical theory to chemical systems.
CHM	5452	Polymer Chemistry	3	AS	CHM	PR: Either CHM 2211, CHM 2211L, and CHM 3400 or CHM 4410 or graduate standing.	Fundamentals of polymer synthesis, structure, properties, and characterization.
CHM	5621	Principles of Inorganic Chemistry	3	AS	CHM	PR: CHM 4411, CHM 4610 or CI or GS.	Chemical forces, reactivity, periodicity, and literature in organic chemistry; basic core course. Lec.
CHM	5931	Selected Topics in Chemistry	1-3	AS	CHM	PR: CI.	The following courses are representative of those that are taught under this title: Natural Products, Stereochemistry, Reactive Intermediates, Photochemistry, Instrumental Electronics, Advanced Lab Techniques, Heterocyclic Chemistry, etc.
CHM	6150	Advanced Analytical Chemistry	3	AS	CHM	PR: CI	A study of complete analytical process, including sample handling, separations, the analysis step, and statistical interpretation of data. Emphasis placed on separations and statistics. Lec.
CHM	6250	Advanced Organic Chemistry I: Synthesis	3	AS	CHM	PR: CHM 5225 or CI.	Detailed consideration of modern synthetic methods. Lec.
CHM	6260	Advanced Organic Chemistry II: Physical-Organic	3	AS	CHM	PR: CHM 5225 or CI.	Organic reaction mechanisms emphasizing the interpretation of experimental data. Lec.
CHM	6280	Advanced Organic Chemistry III: Natural Products	3	AS	CHM	PR: CHM 5225 or CI.	A study of any of several of the following topics: terpenes, steroids, vitamins, alkaloids, porphyrins, purine, and antibiotics.
CHM	6460	Statistical Thermodynamics	3	AS	CHM	PR: CI.	Application of statistical mechanics to the thermodynamics; relation of molecular structure to thermodynamic properties. Lec.
CHM	6480	Quantum Chemistry	3	AS	CHM	PR: CI.	Introduction to elementary quantum mechanism. Atomic structure and spectra. Lec.
CHM	6650	Structural Inorganic Chemistry	3	AS	CHM	PR: CHM 5621 or CI.	Modern theories of bonding and structure of inorganic compounds, including coordination theory, stereo-chemistry, solution equilibria,

							kinetics, mechanisms of reactions, and use of physical and chemical methods. Lec.
CHM	6907	Independent Study	1-19	AS	CHM	S/U.	Independent study in which students must have a contract with an instructor.
CHM	6935	Graduate Seminars in Chemistry	1	AS	CHM	PR: Admission to graduate program in Chemistry. S/U.	Required every semester (when offered) for all students enrolled in Chemistry graduate program. Requires participation in and attendance at the weekly departmental seminar.
CHM	6936	Chemistry Colloquium	1	AS	CHM	PR: Admission to graduate program in Chemistry. S/U.	Frequent (usually weekly) small-group analysis of current developments.
CHM	6938	Selected Topics in Chemistry	1-3	AS	CHM	PR: CI.	Representative titles taught include: Symmetry and Group Theory, Photochemical Kinetics, Quantum Mechanical Calculations, Advanced Chemical Thermodynamics, Reaction Mechanisms, Advanced Instrumentation, Separations and Characterizations, Spectroscopy, etc.
CHM	6946	Graduate Instruction Methods	1-4	AS	CHM	S/U.	Special course for the training of teaching assistants.
CHM	6971	Thesis: Master's	2-19	AS	CHM	PR: GR. M.L. S/U.	
CHM	6973	Directed Research	1-19	AS	CHM	PR: GR. M.L. S/U.	
CHM	7820	Directed Research	1-19	AS	CHM	PR: GR. Ph.D. level. S/U.	
CHM	7980	Dissertation: Doctoral	2-19	AS	CHM	PR: Admission to Candidacy. S/U.	
CIS	6900	Independent Study	1-19	EN	ESB	PR: GS, majors only. S/U.	Independent study in which students must have a contract with an instructor. Requires completed contract prior to enrollment.
CIS	6910	Computer Science Graduate Project	3	EN	ESB	PR: CI, majors only. S/U.	Computer science engineering project that may be taken by graduate students in place of Master's thesis. Requires completed contract prior to enrollment.
CIS	6911	Graduate Research Methods	1-4	EN	ESB	PR: GS, majors only. S/U.	Special course to train graduate research assistants. Var. Rpt. to a total of 4 credits. Requires completed contract prior to enrollment.
CIS	6930	Special Topics	3	EN	ESB	PR: CI.	
CIS	6940	Graduate Instruction Methods	1-4	EN	ESB	Majors only. S/U.	Special course to train graduate teaching assistants.

CIS	6971	Thesis: Master's	2-19	EN	ESB	PR: GS, majors only. S/U.	
CIS	7910	Directed Research	1-19	EN	ESB	PR: GR. Ph.D. level, majors only. S/U.	Requires completed contract prior to enrollment.
CIS	7980	Dissertation: Doctoral	2-19	EN	ESB	PR: Admission to Doctoral Candidacy.	
CJC	6020	Theory, Practice, and Research in Corrections	3	AS	CJP	PR: CI	Examination of the interrelationships between theory and practice in corrections, as these are affected by empirical research and systematic program evaluation.
CLP	6166	Psychopathol ogy	3	AS	PSY	PR: Admission to graduate program in Psychology or CI	Exploration of current approaches to the understanding of pathological behavior and implications for theories of personality. A survey of treatment methods is included.
CLP	6438	Psychologica l Assessment: Theory and Research	1-4	AS	PSY	PR: CI.	Courses cover theory, research, and applications of psychological assessment in areas, such as interviewing, intellectual and cognitive functioning, neuropsychodiagnostics, and personality testing.
CLP	6937	Topics in Clinical Psychology	1-3	AS	PSY	PR: CI.	Courses on topics, such as humanistic psychology, community psychology, and clinical neuropsychology.
CLP	7188	Clinical Psychology Interventions	1-4	AS	PSY	PR: CI.	Study of the theoretical, empirical, and applied foundations of the major systems of therapeutic intervention.
CLP	7379	Graduate Seminar in Clinical- Community Psychology	1-3	AS	PSY	PR: CI.	Seminars on topics, such as psychopathology, community psychology, clinical issues, personality, and developmental psychology.
COM	5930	Topics in Communicati on Studies	3	AS	SPE		Topical issues in communication.
COM	6001	Theories and Histories of Communicati on	3	AS	SPE	Required of all M.A. and Ph.D. students.	An introduction to the history and theory of communication as a discipline: its relationship to the arts and sciences, and a survey of the historical development of the field, emphasizing current issues in theory, research, and practice.
COM	6017	Gender in the Workplace	3	AS	SPE	PR: Graduate Standing.	This course focuses on the workplace as a site of gendered communication practices. A variety of work settings will be analyzed in terms of how they construct gender identities, reinforce public-private distinctions and maintain traditional career models.

COM	6025	Health Communication	3	AS	SPE	PR: GS.	Application of communication theory and research to the health context including provider-patient communication, health information campaigns, and health beliefs and behavior. Special attention to the value issues in health communication.
COM	6045	Communicating Leadership	3	AS	SPE	PR: Graduate Standing.	Effective leadership today focuses less on control and more on the strategic use of communication to build relationships and guide behavior. This course examines the various ways leaders can communicate more effectively in contemporary organizations.
COM	6121	Organizational Communication	3	AS	SPE		A study of communication theory and behavior within organizational settings: role of communication, communication climates, communication networks, leadership.
COM	6248	Historical Perspectives on Communication	3	AS	SPE	PR: Graduate Standing.	Explores prominent figures and theoretical movements in area of Communication (Interpersonal or Organizational Communication, Cultural Studies, Rhetorical Studies, or Performance Studies). [Repeatable for credit as topics vary.]
COM	6306	Action Research	3	AS	SPE	PR: Graduate Standing.	Action research is rooted in engagement, involving collaboration with community or organizational partners who will be affected by the research. Through hands-on projects we learn principles of action research and explore communication and ethical issues.
COM	6313	Interpreting Communication Research	3	AS	SPE	PR: Graduate Standing.	This course is designed to give students tools to help them interpret the mainstream research literature in communication and to judge research on a quality continuum. No assumptions are made about student understanding of quantitative research methods.
COM	6345	Contemporary Cultural Studies	3	AS	SPE	PR: GS.	Examines theoretical issues and interpretive approaches for exploring questions of knowledge, identity, experience, meaning and value in modern culture through the study of communication.
COM	6400	Communication Theory	3	AS	SPE	PR: COM 6001.	An examination of communication theory through selected reading in the works of major theorists past and present.

COM	6418	Communication and Systems Practice	3	AS	SPE	PR: Graduate Standing.	Systems theories offer possibilities for understanding interconnections and emergence, identities and environments, and stability and change, with communication processes being central. We explore social systems principles by linking theory and praxis.
COM	6605	Media Studies	3	AS	SPE	PR: GS.	Study of the impact of mass and mediated forms of communication on individuals, groups, societies, and cultures. Several theoretical and critical perspectives are considered.
COM	6724	Communication Training in Organizations	3	AS	SPE	PR: Graduate Standing.	Provides holistic understanding of how communication training is developed and conducted in organizations. Students learn to assess communication training needs, design/deliver effective communication training programs, and evaluate their effectiveness.
COM	7325	Seminar in Communication Research Methods	3	AS	SPE	Required of all Ph.D. students. Also required of all M.A. students wishing to pursue the thesis option.	Examines the research practices and methodologies of communication as a discipline, including bibliographical resources, research designs, research techniques, and forms of scholarly presentation.
COM	7933	Seminar in Communication Studies	3	AS	SPE	PR: GS.	Variable topics course.
COP	6611	Operating Systems	3	EN	ESB	PR: CC, majors only	Operating systems functions and design, resource management, protection systems, process communication, and deadlocks.
COP	6621	Programming Languages and Translation	3	EN	ESB	PR: CI, majors only	Grammars and languages, symbols, strings, syntax, parsing, the design of a compiler, storage organization and symbol tables, translator writing systems.
COT	6405	Introduction to the Theory of Algorithms	3	EN	ESB	PR: COT 3100, COT 4400, or equiv. GS or CI.	Analysis techniques for algorithms. Characterizing algorithms in terms of recurrence relations, solutions of recurrence relations, upper and lower bounds. Graph problems, parallel, algorithms, NP completeness and approximation algorithms, with relationship to practical problems.
CPO	5934	Selected Topics in Comparative Politics	3	AS	POL	Sr./GS.	Studies specific substantive areas in Comparative Politics, such as political economy or the politics of specific countries or regions.
CPO	6036	Politics of	3	AS	POL	Sr./GS	Advanced study of ideologies,

		Developing Areas					politics, political institutions, and the socio-economic conditions that influence them in developing nations.
CPO	6091	Seminar in Comparative Politics	3	AS	POL	GS.	Extensive examination of the major theories and approaches used in the study of Comparative Politics. Seminar format.
CRW	6130	Fiction Writing	3	AS	ENG		A study of the process of fiction writing and the artistic demands associated with its forms, from microfiction to the novel.
CRW	6164	The Craft of Fiction	3	AS	ENG	PR: Dept. Approval Required.	A study in the forms and technique of fiction writing. Students will examine how novels and stories are constructed, analyze craft (plotting, characterization, point of view) and the relationship of form and craft, and study the variety of approaches to storytelling (realism, magic realism, minimalism, and metafiction).
CRW	6236	Nonfiction Writing	3	AS	ENG		An exploration of the different types of nonfiction writing, such as memoir, travel, nature, commentary, book review, essay, and biography.
CRW	6331	Poetry Writing	3	AS	ENG		A study of the process of poetry writing and the demands associated with its form, both free verse and metrical.
CRW	6352	The Craft of Poetry	3	AS	ENG	PR: Dept. Approval Required.	An intensive examination of established schools of poetic writing: their themes, imagery, and approach to subject matter. Students also will write and submit original poetry for private and group constructive evaluation.
CWR	6235	Free Surface Flow	3	EN	EGX	PR: CWR 4202 or CI, majors only.	Fundamental and applied aspects of free surface flow, including river hydraulics, canal flow, and open channel design.
CWR	6239	Waves and Beach Protection	3	EN	EGX	PR: CWR 6820, majors only.	A study of the fundamentals of shoreline dynamics including distribution of wave energy, motion of beach sand, stable configurations and protective measures.
CWR	6305	Urban Hydrology	3	EN	EGX	PR: CI, majors only.	A study of the quantity and quality problems and solution techniques associated with urban runoff.
CWR	6533	Water Quality Modeling	3	EN	EGX		This course will develop the fundamental principals and concepts of water quality modeling and apply water quality models in a variety of contexts. The mathematical

							representations of environmental transport and transformation processes will be elucidated. Models of different complexity will be applied to a variety of environmental contexts.
CWR	6534	Coastal and Estuary Modeling	3	EN	EGX	PR: CI, majors only.	Digital modeling of coastal and estuary systems, currents tide heights, sediment transport, erosion, data collection, temperature distribution, source and sinks. Special emphasis on Florida regions.
CWR	6535	Hydrologic Models	3	EN	EGX	PR: CI, majors only.	A study of the theoretical principles of hydrologic modeling and an examination of various numerical hydrologic models available. Students will be required to develop and apply computer models.
CWR	6538	Advanced Hydrologic Models	3	EN	EGX	PR: CWR 6535 and GLY 6739.	To present the theoretical and applied concepts of advanced hydrologic modeling and especially integrated surface water/ground water modeling and to examine various numerical hydrologic models used in engineering practice.
CWR	6820	Coastal Waves And Structures	3	EN	EGX	PR: CI, majors only.	Fundamentals of wave motion and the mutual interaction of waves and structures. A design project is included.
DEP	6058	Developmental Psychology	3	AS	PSY	PR: Admission to graduate program in Psychology or CI.	Basic survey of research and theory in human developmental processes.
DEP	6136	Language Development	3	AS	PSY	PR: Admission to graduate program in Psychology or Communication Sciences and Disorders or CI.	Explores the course of and processes underlying normal language development. Presents data and theory on phonological, semantic, syntactic, and pragmatic development, with emphasis on recent research.
ECH	5324	Automatic Process Control II	3	EN	ECH	PR: ECH 4323C or CI, majors only / 2 hrs lec., 3 hrs. lab/week.	The course covers the root locus and frequency response methods to study stability of control loops. The techniques of ratio, cascade, feed forward, selective, override, and multi-variable control techniques are discussed in detail and shown how to utilize to design control systems, z-transforms and discrete controllers including PID, Dahlin and deadline compensation.
ECH	5740	Theory and Design of	3	EN	ECH		Introduction to biotechnology, including applied microbiology,

		Bioprocesses					enzyme technology, biomass production, bioreactor design, and transport processes in biosystems.
ECH	5742	Pharmaceutical Engineering	2	EN	ECH		Introduction to pharmaceutical engineering, including dosage forms (tablets, capsules, powders, liquids, topical forms, and aerosols), recipients, regulatory issues, clinical studies, and good manufacturing practices.
ECH	5747C	Selected Topics in Chemical Engineering Biotechnology	1-3	EN	ECH	PR: Senior or GS standing in engineering or CI. Open to majors and non-majors with CI.	Selected topics in engineering in biotechnology, including cell separation technology, immobilized enzymes and cells, food engineering, biohazardous waste, and bioseparations.
ECH	5820	Product Development	2	EN	ECH	PR: Senior or GS in Engineering or CI.	Introduction to the development of consumer products, including the history of innovation, creativity development, the product development environment, and a detailed examination of several product areas.
ECH	5930	Special Topics III	1-4	EN	ECH	PR: CI.	
ECH	5931	Special Topics IV	1-4	EN	ECH	PR: CI.	
ECH	6105	Advanced Thermodynamics I	3	EN	ECH	PR: CC, Majors only.	Selected topics in classical and irreversible thermodynamics.
ECH	6107	Selected Topics in Advanced Thermodynamics	3	EN	ECH	PR: GS or CI.	Advanced selected topics in Ch.E. Thermodynamics such as: molecular and statistical thermo, adv. phase and chemical equilibria, etc.
ECH	6230	Advanced Mass Transfer	3	EN	ECH	PR: ECH 5285 or equiv.	Advanced topics in mass transfer, including the mathematical description and solution of homogeneous and heterogeneous reacting systems, unsteady state, simultaneous heat and/or fluid transfer, particulate processes, and interfacial transport.
ECH	6285	Advanced Transport Phenomena	3	EN	ECH		Formulation of flux equations for fluid, heat & mass transport. Development & resolution of unsteady state and multidimensional models in various co-ordinate systems. Analytical & numerical techniques to solve the resulting equations will be presented.
ECH	6412	Processes Analysis and	3	EN	ECH	PR: CI.	Computer-controlled data acquisition and analysis aimed at development



		Modeling					and evaluation of empirical and physical models of chemical and mechanical engineering processes.
ECH	6417	Bioseparations	3	EN	ECH	PR: Graduate standing in engineering or CI.	Design and analysis of bioseparation processes, including crystallization, membrane separations, chromatography, liquid-liquid extraction, electrophoresis, and emerging technologies. Open to non-majors with CI.
ECH	6515	Reacting Systems	3	EN	ECH	PR: ECH 4415C or CI.	Economic factors in the design of chemical reactors. Simulation of complex reacting systems.
ECH	6616	Computer-Aided Process Engineering I	3	EN	ECH	PR: ECH 4615.	Plant and process design with emphasis on computer-aided design.
ECH	6670	Mathematical Methods for Chemical Engineering	3	EN	ECH		The main objective of the course is to enable deeper level of understanding of chemical and physical changes matter undergo through mathematical modeling and analysis. The objective could be achieved through mechanistic modeling, knowledge of numerical and analytical methods of solving such models, and familiarity with computational tools.
ECH	6749	Biomaterials and Biocompatibility	3	EN	ECH	PR: CI	Physical and chemical properties of biomaterials, failure mechanisms, performance in vivo, interfacial phenomena and biocompatibility, including host response to implants. Also will discuss the regulatory aspects of biomaterials.
ECH	6840	Mathematical Methods for Chemical Engineering	3	EN	ECH		Mathematical modeling of chemical engineering systems. Numerical and analytical solution methods for algebraic equations, ordinary differential equations, coupled differential and algebraic equations and partial differential equations.
ECH	6906	Directed Research	1-19	EN	ECH	PR: GR. ML. S/U.	
ECH	6907	Independent Study - Variable Title	1-19	EN	ECH	PR: GR. S/U.	Independent study in which students must have a contract with an instructor.
ECH	6930	Special Problems I	1-3	EN	ECH	PR: CC.	
ECH	6931	Special Problems II	1-3	EN	ECH	PR: CC.	
ECH	6938	Graduate Instruction	1-4	EN	ECH	PR: CC. S/U.	Special course to be used for training of graduate teaching assistants.

		Methods					
ECH	6939	Graduate Research Methods	1-4	EN	ECH	PR: CC. S/U.	Special course to be used for training of graduate research assistants.
ECH	6971	Thesis: Master's	2-19	EN	ECH	PR: CC	
ECH	7915	Directed Research	1-19	EN	ECH	GR Ph.D. level. Rpt. S/U. PR: CC	
ECH	7980	Dissertation: Doctoral	2-19	EN	ECH	PR: Admission to Candidacy	
ECO	6114	Managerial Economics	3	BA	MBA		Theory of economic behavior of households and firms, consumer behavior, demand analysis, production and cost, factor markets.
ECO	6115	Microeconomics	3	BA	MBA	PR: ECO 3101 or ECO 6114, ECO 4401 or CC.	Macroeconomic behavior of consumers, producers, and resource suppliers, price determination in output and factor markets, general market equilibrium.
ECO	6204	Global Economic Environment of Business	3	BA	MBA		Determination of prices, employment, and output in domestic and international settings.
ECO	6205	Macroeconomic Theory and Policy	3	BA	ECN	PR: For Master of Accountancy students only.	Determination of income, employment, wages, prices, and interest rates, contemporary policy issues, long-run economic growth.
ECO	6206	Aggregate Economics	3	BA	ECN	PR: ECO 3203 or ECO 6204	Advanced macroeconomic analysis of income, employment, prices, interest rates and economic growth rates.
ECO	6305	History of Economic Thought	3	BA	ECN	PR: ECO 3101 or ECO 6114 or CI	Currents of modern economic thought in the last hundred years.
ECO	6424	Econometrics I	3	BA	ECN	PR: ECO 3203 or ECO 6204, QMB 3200, QMB 6305, or CI.	Theory and use of multiple regression to estimate relations in causal models, use of standard software packages.
ECO	6425	Econometrics II	3	BA	ECN	PR: ECO 6424	Advanced econometric techniques; model building, estimation and forecasting; design and execution of research projects.
ECO	6505	Public Finance	3	BA	ECN	PR: ECO 3101 or ECO 6114	Effects of tax and expenditure policies on resource allocation and income distribution.
ECO	6525	Public Sector Economics	3	BA	ECN	No credit for Economics or Business Administration students.	Introduction to the price system and the allocation of resources, emphasis on market failure and the economic role of government.
ECO	6705	International Economic	3	BA	ECN	PR: ECO 6114 and ECO 6204	Analysis of international economic relations and institutions. Analysis of

		Issues				or equivalent.	the effects of changing economic conditions and policy on the climate for international business and investment.
ECO	6706	International Trade: Theory and Policy	3	BA	ECN	PR: ECO 3101 or ECO 6114.	Causes of international trade, international trade policy, economic integration, trade problems of developing countries, role of multinational corporations in world trade.
ECO	6716	International Monetary Economics	3	BA	ECN	PR: ECO 3203 or ECO 6204.	International macroeconomic relationships, foreign exchange market, the international monetary system, balance of payments adjustments, macroeconomic policy in the open economy.
ECO	6906	Independent Study	1-19	BA	ECN	PR: CC. S/U.	Independent study. Student must have a contract with an instructor.
ECO	6917	Directed Research	1-19	BA	ECN	PR: GR, ML, CC. S/U.	
ECO	6936	Selected Topics in Economics	1-4	BA	ECN	PR: GS and CI.	The course content will depend on student demand and instructor's interest.
ECO	7116	Microeconomics II	3	BA	ECN	PR: ECO 6115.	Topics in advanced microeconomic theory, including general equilibrium, welfare economics, intertemporal choice, uncertainty, information, and game theory.
ECO	7980	Dissertation	2-19	BA	ECN	PR: Advancement to Candidacy	Dissertation Research
ECP	6205	Labor Economics	3	BA	ECN	PR: ECO 3101, ECO 6114, or ECO 6115	Labor demand and supply, unemployment, discrimination in labor markets, labor force statistics.
ECP	6305	Environmental Economics and Policy	3	BA	ECN	PR: ECO 2023 or ECO 6114.	An economic analysis of business's and the government's approach to managing environmental issues. The focus of the course is on the analysis of case studies of specific environmental issues using fundamental efficiency analysis.
ECP	6405	Industrial Organization	3	BA	ECN	PR: ECO 3101 or ECO 6114	Structure of industry and its effect on economic efficiency.
ECP	6406	Seminar in Industrial Organization	3	BA	ECN		
ECP	6415	Issues in Regulation and Antitrust	3	BA	ECN	PR: ECO 3101 or ECO 3100 or GEB 6114.	Issues concerning rationale, structure and performance of government regulation and antitrust policy.
ECP	6456	Law and Economics	3	BA	ECN	PR: ECO 3101 or ECO 6114	Impact of Tort, Criminal, Property, and Contract Law on the allocation of resources.
ECP	6535	Analysis of Health Care	3	BA	ECN	PR: ECO 6114 or equivalent.	Evolution of medical care industries and government healthcare policies.

		Issues					International comparisons. Measures of cost benefit and of cost-effectiveness.
ECP	6614	Urban Economics	3	BA	ECN	PR: ECO 3101 or ECO 6114; not for Master of Economics students	Economics of growth and development of urban areas, interurban location patterns.
ECP	6624	Regional Economics	3	BA	ECN	PR: ECO 3101 or ECO 6114	Geographical allocation of resources within and among regions, location of households and firms, interregional migration of labor and capital, regional growth and development, regional policy.
EDA	6061	Principles of Educational Administration	3	ED	EDB		Educational administration as a profession. Consideration of organization, control, and support of the educational system.
EDA	6106	Administrative Analysis and Change	3	ED	EDB	PR: EDA 6061.	Change and change strategies in formal and informal organizations are foci. Students will develop change strategies and will apply them to selected situations.
EDA	6192	Educational Leadership	3	ED	EDB	PR: EDA 6061.	Administration course that addresses change, influences, and planning systems. Also examines personnel functions for administrators.
EDA	6195	Policy Development	3	ED	EDB	PR: EDA 6061.	Contemporary research on diffusion of innovations, political power in policy decision making. Role of establishing educational policies.
EDA	6232	School Law	3	ED	EDB	PR: GS, EDA 6061, or CI.	Basic essentials of School Law. A review of court decisions affecting American education with emphasis on Florida State statutes.
EDA	6242	School Finance	3	ED	EDB	PR: GS, EDA 6061, or CI.	Financial support of education by local, state, federal sources, with emphasis on Florida; introduction to educational budgeting.
EDA	6262	Planning Educational Facilities	3	ED	EDB	PR: GS, EDA 6061, or CI.	Problems in the planning, construction, and use of educational facilities. Visitation and/or evaluation of selected schools.
EDA	6503	The Principalship	3	ED	EDB	PR: EDA 6061.	Organization and administration of the school. Emphasis on the competencies necessary for leadership and management by the principal as the administrator and instructional leader.
EDA	6910	Directed Research	1-19	ED	EDB	PR: GS or ML, EDA 6061. S/U.	
EDA	6931	Case Studies in School	3	ED	EDB	PR: GS, EDA 6061 or CI.	Helps prospective administrators understand administrative problems,

		Administrati on					propose feasible solutions, and evaluate courses of action. Develops skill in decision making.
EDA	6945	Administrati on Practicum	3-8	ED	EDB	PR: GS, EDA 6061 and completion of a significant amount of the student's program.	Field experiences in school systems for identifying and analyzing educational problems and their solutions. Application of concepts developed in the student's program.
EDA	6971	Thesis: Masters/Educ ational Specialist	2-19	ED	EDB	S/U.	
EDA	7222	Administrati on Of School Personnel Policies And Practices	3	ED	EDB	PR: GS, EDA 6061 or CI.	Administration of school personnel policies and practices relating to professional staff, supporting staff, and students.
EDA	7233	Legal Dimensions Of School Administrati on	3	ED	EDB	PR: GS, EDA 6232, CI.	Historical perspective in law and education with in-depth reviews of case law showing the evolution of courts as educational policy makers.
EDA	7247	Advanced School Finance	3	ED	EDB	PR: GS, EDA 6242 or CI.	Advanced treatment of school finance. Development, implementation, and evaluation of financial resource and allocation systems. Emphasis is on intradistrict allocation.
EDA	7980	Dissertation	2-30	ED	EDB	PR: Admitted to Candidacy.	
EDE	6205	School Curriculum: Elementary	3	ED	EDC	PR: EDG 4620, EDG 6627.	Organization, curriculum, and instruction of the elementary school with emphasis on the nature of the students served. Open to all education graduate students.
EDE	6326	Planning and Organizing for Instruction in the Elementary School	3	ED	EDE		Introduction to the theories and practices that support children's learning. Includes accessing resources that support teaching, developing lessons, designing appropriate assessments, and the elements that influence instructional decision-making.
EDE	6458	Reflecting on Instructional Decision Making	1-3	ED	EDE	CR: For first hour: EDE 6946. For second hour EDG 6947.	Develops the students' abilities to reflect upon teaching practice and evaluate instructional decisions on K-6 student learning. The first hour is taken with the practicum. The second hour is to be taken in conjunction with final internship.
EDE	6506	Classroom Management,	3	ED	EDE		Examines the legal issues affecting classroom/school management,

		School Safety, Ethics and Law					school safety and professional ethics. Explores research and knowledge of best practices and a variety of teaching and management strategies for a diverse elementary classroom setting.
EDE	6906	Independent Study: Elementary/Early Childhood Education	1-6	ED	EDE	S/U.	Independent study in which students must have a contract.
EDE	6946	Practicum in the Elementary School	4	ED	EDE	PR: RED 6514, FLE 5345, and 9 additional credits in program courses. CR: EDE 6458-I.	This intensive practicum experience is designed to complement foundational MAT course work and is completed during the second block of the MAT program. This is an S/U course.
EDE	6971	Thesis: Masters/Educational Specialist	2-19	ED	EDE	S/U, MA/EdS Candidates only.	
EDE	7910	Directed Research in Elementary Education	1-19	ED	EDE	PR: Advanced graduate standing.	Independent student-faculty research course.
EDE	7980	Dissertation	2-30	ED	EDE	PR: Admitted to Candidacy.	
EDF	5607	Trends in the Social-Political Foundations of Schooling in the US	3	ED	EDF		Current debates re: purpose and practice of formal schooling in the U.S. with historical and sociological perspectives. Satisfies social foundations requirements for Fla. Teacher certification and ESL competency in knowledge of intercultural issues in education.
EDF	6120	Child Development	4	ED	EDF	PR: EDF 6211 or DPR.	Educational, emotional, hereditary, intellectual, social, and physical factors influencing child growth and development.
EDF	6165	Group Processes for Educational Personnel	1-3	ED	EDF		Application of group process research to the needs of professional educators and training officers.
EDF	6166	Consulting Skills for Staff Development	1-3	ED	EDF	PR: DPR.	Knowledge and skill training for consulting with organizational clients to solve educational problems and design learning environments or programs.
EDF	6211	Psychological Foundations of Education	3	ED	EDF		Selected topics in psychology of human development and learning, related to schools and educational

							settings.
EDF	6213	Biological Bases for Learning Behavior	3	ED	EDF	PR: One course in Educational Psychology.	Human biological development and its influence upon learning and behavior.
EDF	6215	Learning Principles Applied to Instruction	4	ED	EDF	PR: CI.	Learning principles and their application to classroom instruction.
EDF	6217	Behavior Theory and Classroom Learning	4	ED	EDF	PR: EDF 6215 or DPR.	Theory and practical applications of behavior modification; introduction to experimental methods for behavior modification; operant methods in behavior and development; analysis and field work.
EDF	6281	Workshop and Conference Design	3	ED	EDF		Knowledge and skills to design, conduct and/or administer, and evaluate both workshops and conferences.
EDF	6284	Problems in Instructional Design for Micro Computers	3	ED	EDK	PR: Computer literacy.	This course focuses on the systematic design of instructional courseware, including analysis, media selection, and evaluation. Topics include instructional strategies, screen design, response analysis, feedback and interactivity.
EDF	6288	Instructional Design I	3	ED	EDF	PR: EDF 6215 or DPR.	Instructional design models/theories and their systematic application to instructional goals.
EDF	6354	Human Development and Personality Theories	4	ED	EDF		A study of psycho-social and cognitive development throughout a person's life span with an analysis of the major personality theories.
EDF	6407	Statistical Analysis For Educational Research I	4	ED	EDQ		Theory and application of statistical procedures to problems in education: (1) descriptive statistics, (2) Probability-sampling distributions, (3) Inferential statistics-interval estimation, tests of significance (z, t, F-one way ANOVA). Coordinated use of computer included.
EDF	6432	Foundations Of Measurement	3	ED	EDQ		Basic measurement concepts, role of measurement in education, construction of teacher-made tests and other classroom assessments, interpretation of standardized tests, and fundamental descriptive statistics for use in test interpretation.
EDF	6446	Development and Validation of Tests in	3	ED	EDQ	PR: EDF 6432, EDF 6407. DPR.	Design, construction, and validation of state-wide tests. Special emphasis on domain sampling, item response theory, item scaling, item fit, and

		Education					constructing, maintaining, and updating item banks.
EDF	6481	Foundations of Educational Research	3	ED	EDQ	PR: EDF 6432, or DPR.	Analysis of major types of educational research designs, including experimental, correlational, ex post facto and case studies.
EDF	6492	Applied Educational Program Evaluation	3	ED	EDQ	PR: EDF 6432, EDF 6446. DPR.	Design, development, implementation, interpretation, and communication of both formative and summative educational program evaluation studies.
EDF	6517	Historical Foundations of American Education	4	ED	EDF		History of the origins and development of American education, events, and movements that have shaped school policies and practices, and their relationship to contemporary developments.
EDF	6531	History of Childhood, Disability, and Deviance	3	ED	EDF	PR: Department approval required.	Historical development of the idea and experience of modern childhood. Social construction of age categories and age related institutions such as schools. Issues of diversity including concepts of deviance, ability and disability in historical perspective. Social policies and inequality by social class, race/ethnicity/culture and gender.
EDF	6544	Philosophical Foundations of American Education	3	ED	EDF		Major philosophies of education relevant to an understanding of contemporary educational issues.
EDF	6606	Socio-Economic Foundations of American Education	4	ED	EDF		Socio-economic factors as they relate to the work of professional educators and the role of public education in American society.
EDF	6705	Gender and the Educational Process	3	ED	EDF		Course is designed to enable public school personnel, teachers, counselors, administrators, and other professionals to identify those aspects of public education that perpetuate sex role stereotyping. Emphasis will be placed on how the law and formal and informal affirmative action activities can be employed to correct sexism in schools.
EDF	6736	Education, Communication, and Change	3	ED	EDF	PR: CI.	Developments in communication as a process of social change as it affects students, teachers, and traditional school arrangements.
EDF	6765	Schools and the Future	4	ED	EDF		Estimates of future demands upon schools; critique of current



							paradigms, techniques, and literature.
EDF	6810	Comparative Education	3	ED	EDF		Comparison of contemporary educational systems of selected countries with that of the United States.
EDF	6812	Seminar in Comparative Education	4	ED	EDF		Policies and practices in education in selected countries.
EDF	6883	Issues in Multicultural Education	4	ED	EDF	PR: DPR.	Lecture/discussion course, open to both majors and non-majors; address both fundamental concepts and timely issues in multicultural education and working with culturally diverse students.
EDF	6885	Internship in Community Agency Counseling	6 or 3	ED	EDG	PR: All required MHS courses.	Field experience involving one semester of full-time participation or two semesters of part-time participation in the counseling and related activities of a public or private agency providing mental health services to the community.
EDF	6906	Independent Study: Educational Foundations	1-6	ED	EDF	S/U.	Independent study in which students must have a contract with an instructor.
EDF	6935	Wellness Programming Seminar	2	ED	EDF	PR: CI.	This course familiarizes students with the array of extant programs to facilitate wellness and prevent problems that often affect college students. Through review and critique of such programs, participants will be able to design and administer wellness programs in their professional roles.
EDF	6938	Selected Topics	1-4	ED	EDF	PR: CC	Exploration and demonstration of knowledge in an area of special interest to the student and/or in an area for which the student needs to demonstrate a higher level of competence. Designed to fit the needs of each student.
EDF	6944	Field Experience	1-4	ED	EDF	PR: CI.	Demonstrate skills in the practice of the student's specialty. Objectives will be defined by the needs of the individual student.
EDF	6971	Thesis: Masters/Educational Specialist	2-19	ED	EDQ	S/U.	
EDF	7143	Measurement of Cognitive Functioning in Childhood and	4	ED	EDF	PR: A course in measurement.	Investigation of theories and measurement of cognitive functioning in childhood and adolescence.

		Adolescence					
EDF	7145	Cognitive Issues in Instruction	4	ED	EDF	PR: Admission to doctoral program and EDF 6215.	Selected cognitive models of intelligence, memory, problem solving, thinking, and motivation applied to instructional strategies.
EDF	7167	Experiential Learning: Theory and Methods	3	ED	EDF		Theory and methods of experiential learning in both formal and organizational contexts.
EDF	7227	Topics in Behavior Analysis and Automated Instruction	1-12	ED	EDF	PR: EDF 6215 or EDF 6217 or Advanced Graduate Standing, CI	Seminar in experimental analysis of functional relationships between behavior and relevant environmental variables. Interpretation of complex human behavior and formulation of procedures which expedite instruction in educational procedures for computer delivery.
EDF	7239	Supervised Experience in College Teaching	2	ED	EDF		A seminar to increase knowledge and competencies in college instruction. Students must have advanced graduate standing, be currently teaching a college level course, willing to be observed, and able to discuss ongoing classroom practices and problems. Open to all doctoral level Education majors, other doctoral students if space available. S/U optional.
EDF	7408	Statistical Analysis For Educational Research II	4	ED	EDQ	PR: EDF 6407 or equiv. or DPR.	Theory and application of statistical procedures to problems in education: (1) ANOVA-factorial; ANCOVA; (2) multiple correlation and regression -- a specific technique and a general approach to data analysis. Coordinated use of computer included.
EDF	7410	Design Of Systematic Studies In Education	4	ED	EDQ	PR: EDF 6407, EDF 7408 or equiv. or DPR.	Theory and application of major design models to systematic inquiry, from experimental to naturalistic models. Nature and role of sampling in systematic studies.
EDF	7437	Advanced Educational Measurement I	3	ED	EDQ	PR: EDF 6432 or equiv.; EDF 6407 or equiv.	Logical, empirical, and statistical models of measurement processes. Examination of issues relative to scaling with a focus on reliability of measurement. Critique of available instruments for measurement in psychology and education. Examination of issues relative to scaling with a focus on reliability of measurement. Critique of available instruments for measurement in psychology and education.
EDF	7438	Advanced	4	ED	EDQ	PR: EDF 7437	Scaling techniques in educational

		Educational Measurement II				or DPR.	and psychological measurement. Item analytic theories and practices. Validation theory, and construction and validation of instruments for measurements in education.
EDF	7477	Qualitative Research in Education Part I	4	ED	EDQ	PR: Advanced GS or DPR.	First of two sequenced seminars examining the theoretical and pragmatic aspects of conducting qualitative research in educational settings.
EDF	7478	Qualitative Research in Education Part II	4	ED	EDQ	PR: Advanced GS and EDF 7477.	Second of two sequenced seminars examining the theoretical and pragmatic aspects of conducting qualitative research.
EDF	7484	Statistical Analysis For Educational Research III	4	ED	EDQ	PR: EDF 7408 or DPR.	Theory and application of selected multivariate statistical procedures, including Canonical Correlation, Discriminate Analysis, Multivariate Analysis of Variance, Factor Analysis, and Path Analysis.
EDF	7485	Theory and Practice of Education Evaluation	3	ED	EDQ	PR: EDF 7493. DPR.	Comparative analysis of contemporary evaluation approaches; theory and scientific basis of evaluation; social and political impact of evaluation on educational decision making; and the design, implementation and reporting of evaluation studies.
EDF	7488	Problems in Educational Data Analysis	2	ED	EDQ	PR: EDF 7408 or DPR.	Strategies and techniques for data processing and quantitative analysis using statistical software, including data screening, transformation, diagnostic indices, and interpretation.
EDF	7493	Systems Approaches for Program Planning, Evaluation and Development	4	ED	EDQ	PR: Advanced GS or DPR.	Systems theory applied to problems in program planning, evaluation, and development. Analysis of evaluation models and policy analysis. Application of Networking, PERT, and Modeling procedures to selected problems in education. Emphasis on decision oriented research.
EDF	7530	History of Higher Education in the United States	3	ED	EDF	PR: EDF 6517, its equivalent, or permission of the instructor.	Historical overview of American higher education from Colonial period to present. History of undergraduate curriculum, changing purpose of higher ed, and growth in hierarchical categorization of higher ed as college became more accessible to students.
EDF	7586	Classics in Educational Research	4	ED	EDF	PR: GS; EDF 6517, EDF 6544, EDF 6606, or CI.	Examination of the context, methods, and significance of selected research studies in education.

EDF	7649	Analysis of Educational Issues	3	ED	EDF		Socio-cultural, historical, and axiological examination of selected issues in public education.
EDF	7655	Organization Development in Educational Institutions	4	ED	EDF		Application of social and behavioral science theory to the organizational and developmental problems of schools and school systems.
EDF	7682	Education in Metropolitan Areas	4	ED	EDF	PR: EDF 6517, EDF 6544, EDF 6606, or DPR.	Modern public education and its relationship to national development.
EDF	7910	Directed Research in Measurement and Evaluation	1-19	ED	EDQ	PR: CI.	Independent student-faculty research course.
EDF	7934	Seminar in Social Foundations of Education	4	ED	EDF	PR: GS; EDF 6517, EDF 6544, or EDF 6606, or DPR.	Significant research on socio-cultural issues in Education.
EDF	7940	Practicum In Educational Planning, Evaluation, And Development	1-8	ED	EDQ	PR: EDF 7408, EDF 7493. S/U.	Supervised practicum in which the student assumes major responsibility for significant planning, evaluation, research, or development activity.
EDF	7980	Dissertation	2-30	ED	EDQ	PR: Admission to Candidacy.	
EDG	6285	School Curriculum Improvement	3	ED	EDC	PR: Workshop for the improvement of the curriculum of an elementary or secondary school, CC. Open only to teachers in service.	Open only to teachers in service. Complete faculty participation required.
EDG	6329	Creative Drama in a Developmental Context	3	VP	EDD		Theories and methods of applying three major approaches of creative drama to the use of improvised drama from kindergarten through secondary school. The course will involve students in applying the drama process as a teaching method which can be applied by classroom teachers of elementary, middle and high school.
EDG	6344	Project T.E.A.C.H. (Teacher Effectiveness	3	ED	EDR	PR: CC.	Topics and techniques in verbal communication skills, questioning, paraphrasing, positive support skills, problem solving, counseling

		and Classroom Handling)					techniques, non-confrontation strategies, group dynamics, and discipline decision making.
EDG	6415	Project P.R.I.D.E. (Professional Refinements In Developing Effectiveness )	3	ED	EDE		Topics in academic questioning techniques, nonverbal communication, motivating changes in behavior, managing critical incidents in the classroom, and analyzing typical classroom practices for positive or negative impact.
EDG	6417	Teaching Through Learning Channels	3	ED	EDE		Focus on the area of teaching effectiveness in the cognitive domain and skill training on the identification and use of student learning channel strengths; analysis of curriculum based on learning channels to identify the skills necessary to complete learning tasks; the development of alternative strategies to meet the needs of all students.
EDG	6627	Foundations Of Curriculum And Instruction	3	ED	EDC	PR: EDG 4620.	Open to all graduate students. Introductory course in curriculum and instruction at the graduate level, basic to all specialized courses in the field. Emphasis on foundations, design, basic concepts, theory, and trends of curriculum from early childhood through secondary levels.
EDG	6693	Problems in Curriculum and Instruction: Elementary	1-3	ED	EDC	PR: EDG 4620, EDG 6627.	For teachers, supervisors, and administrators. Curricular and instructional problems of the elementary school. Common problems or problems of special interest to the participants. Normally, for certification requirements only.
EDG	6694	Problems In Curriculum And Instruction: Middle School	1-3	ED	EDC	PR: EDG 4620, EDG 6627.	For teachers, supervisors, and administrators. Curricular and instructional problems of the middle school. Common problems or problems of special interest to the participants. Normally, for certification requirements only.
EDG	6695	Problems In Curriculum Instruction: Secondary	1-3	ED	EDC	PR: EDG 4620, EDG 6627.	For teachers, supervisors, and administrators. Curricular and instructional problems of the secondary school. Common problems or problems of special interest to the participants. Normally, for certification requirements only.
EDG	6906	Independent Study	1-19	ED	EDV	S/U.	Independent study in which students must have a contract with an instructor.

EDG	6931	Selected Topics in Education	1-4	ED	EDC	PR: DPR.	Each topic is a course under the supervision of a faculty member. The title and content will vary according to the topic.
EDG	6935	Seminar in Curriculum Research	3	ED	EDE	PR: EDG 6481.	Critical evaluation of current research and curriculum literature, design and analysis of individual research topics leading to satisfaction of research requirements.
EDG	6947	Internship	1-9	ED	EDC	PR: DPR. S/U only.	Open to graduate degree candidates only. Supervised teaching at the secondary or junior college level as appropriate.
EDG	6971	Thesis: Masters/Education Specialist	2-19	ED	EDC	S/U. Master's students only. Interdisciplinary Studies only.	
EDG	7667	Analysis of Curriculum and Instruction	3	ED	EDC	PR: EDG 6627.	Various theoretical frameworks for analyzing curriculum and instruction. Emphasis on rational models of curriculum inquiry.
EDG	7692	Issues in Curriculum and Instruction	3	ED	EDC	PR: EDG 6627.	Identification and analysis of major problems and issues in curriculum and instruction. Critical examination of efforts to deal with these issues.
EDG	7910	Directed Research	1-19	ED	EDC	S/U only.	
EDG	7931	Selected Topics	1-4	ED	EDC	PR: DPR.	Selected topics in advanced Education.
EDG	7937	Graduate Seminar	1-4	ED	EDC	PR: CC.	Seminar in advanced Education.
EDG	7980	Dissertation	2-19	ED	EDC	PR: Admitted to Candidacy. S/U. Interdisciplinary Studies only.	
EDH	6051	Higher Education in America	3	ED	EDH		For current and prospective faculty, administrators, policy analysts, and staff seeking to learn about American higher education. The topics addressed include the history, recent developments, and projections for the future of various aspects of higher education, including its missions, purposes, students, faculty and staff, administration, finance, organization, governance, and role in American society.
EDH	6061	Junior College in American Higher Education	4	ED	EDH		Philosophical and cultural bases for definition of its role and contemporary issues, such as control, financing, and curricular patterns. Emphasis on the place and problems of the community junior college.

EDH	6406	Ethics and Higher Education	3	ED	EDH		The purpose of this course is to assist students in developing a detailed ethical framework that will guide their actions and decision-making as they serve in leadership and teaching positions in higher education. Areas of emphasis include (a) learning selected philosophies of ethics; (b) exploring student, faculty, and classroom ethical issues; (c) discussing administrator/board ethical issues; (d) examining the college or university as an ethical organization.
EDH	6906	Independent Study	1-19	ED	EDH		Independent study in which students must have a contract with an instructor. Rpt. S/U.
EDH	6938	Seminar in College Teaching	3	ED	EDH		Implications of learning theory and student characteristics for teaching at the college level. Types of teaching procedures, innovation, evaluation, student freedom, and responsibility for learning.
EDH	6947	Internship in Higher Education	1-6	ED	EDH		This course provides higher education program graduate students with an extensive, semester-long, field experience in a two- or four-year college, under the dual guidance of a campus-based supervisor and a USF higher education program faculty member. The internship experience must relate to the student's goals in the doctoral program. Students should be at or near the end of their graduate program.
EDH	7225	Curriculum Development In Higher Education	3	ED	EDH	PR: GS or CI.	Emphasis on curriculum perspectives, procedures, and practices in higher education; principles of curriculum and instruction in higher education; theory and practices in goal setting, curriculum planning, instructional improvement, and curriculum design.
EDH	7405	Policy and Legal Dimensions in Higher Education	3	ED	EDH		This course is a doctoral level course with primary focus on the interface of policy and law as they address the nature, process and product of community college and higher education in the United States and Florida. Constitutional, statutory and contract law is also discussed, as are critical legal and policy issues in

							higher education, including governance, academic freedom, student rights, discrimination, tort liability, contracts and collective bargaining.
EDH	7505	Higher Education Finance	3	ED	EDH	PR: GS or CI.	Emphasis on financial policies, planning, and budgeting; allocation; financial analysis and management, patterns of expenditure, sources of income. Relationships between educational objectives and resource allocations.
EDH	7633	Governing Colleges and Universities	3	ED	EDH		Students in this course will examine and compare existing models of state and local college and university governance structures Demographic, social, legal, financial, and planning issues and forces that effect how colleges and universities are governed will also be explored. Policy analysis and research will be explored as it relates to governance in higher education.
EDH	7635	Organization And Administration Of Higher Education	3	ED	EDH	PR: GS or CI.	Examines the concepts about higher education organizations and administration, the behaviors of those organizations and administrators, and the relationships between concept and practice.
EDH	7636	Organizational Theory and Practices in Higher Education	3	ED	EDH		Explores theories and models of organizations and their applicability to colleges and universities and the work done in the influence of internal and external actors. Also examines many of the administrative practices and processes common in colleges and universities today.
EDH	7910	Directed Research	1-19	ED	EDH		This course provides higher education program graduate students with an opportunity for directed research, under the supervision of a higher education program faculty member.
EDH	7930	Higher Education Seminar	1	ED	EDH		Topics of general and special concern in higher education, restricted to advanced graduate students.
EDH	7935	Higher Education Capstone Seminar	3	ED	EDH		The course is designed to encourage students' integration and synthesis of theories, concepts and themes in previous coursework; to critique research in the field; and to provide some in-depth study of selected areas in higher education. Advanced



							Graduate Standing. Instructor approval required û majors only.
EDH	7980	Dissertation	2-30	ED	EDH	PR: Admitted to Candidacy.	
EDM	6235	School Curriculum: Middle	3	ED	EDC	PR: EDG 4620, EDG 6627.	Open to all education graduate students. Examines the organization, curriculum, and instruction of the middle school with special emphasis on the nature of the students served.
EDM	6622	Client Centered Middle Schools	3	ED	EDM	Majors Only.	Combination lecture/discussion/independent study course that examines in depth the current research on needs/characteristics of the early adolescent and its implications for both organization of the middle grade school and its delivery of curriculum and instruction.
EDM	6623	Responsive Middle School Programs	3	ED	EDM	PR: EDM 6622.	Combination lecture/discussion/individual study course that examines in depth the current research on both the interdisciplinary team/advisory concepts and how these organizational patterns can promote thinking skills and integration of subject matter throughout the curriculum.
EDM	6624	Effective Instruction for Middle Schools	3	ED	EDM	PR: EDM 6622 and EDM 6623.	Combination lecture/discussion/individual study course that examines in depth the current research on both alternative instructional strategies and assessment practices that are successful with middle level students.
EDM	6935	Middle School Issues Seminar	1-3	ED	EDM		Combines discussion/individual study seminar modeling the advisory concept in a university setting and examining the current research on a variety of important trends/issues affecting middle level education.
EDS	6050	Principles and Practices of Educational Supervision	3	ED	EDB	PR: GS.	Role definitions of supervision, analysis of role conflict, needs assessments, supervising the planning of instruction, and observing the delivery of instruction.
EDS	6131	Clinical Supervision	3	ED	EDB	PR: GS, EDS 6050.	Trains administrators, supervisors, and peer teachers in observing and diagnosing teacher classroom performance, writing remedial plans, conducting post observation conferences, and evaluating performance.

EDS	6239	Problems In Supervision	3	ED	EDB	PR: GS, EDS 6050 or CI.	Analysis of instructional problems in schools. Emphasis on supervisory tasks, case studies, and the application of problem solving techniques and strategies.
EDS	7130	Teacher Evaluation: Process and Instruments	3	ED	EDB	PR: EDA 6061, EDF 6432, CI.	Examines procedures for establishing content validity, reliability, norms, and predictive validity of teacher evaluation systems. Examines the psychometric qualities of selected instruments.
EEC	6261	Advanced Programs In Early Childhood Education	3	ED	EDU	PR: EDF 6432, EEC 4203 or DPR.	Innovative curriculum designs in Early Childhood Education, with emphasis given to related research.
EEC	6405	Home - School - Community Interaction In Early Childhood Education	3	ED	EDU	PR: EDF 6432, EEC 4203 or DPR.	Roles of parents, teacher aides, and community agencies involved in the education of the young child.
EEC	6406	Social Growth In Childhood	3	ED	EDU		Principal factors that influence the social development of young children with particular emphasis upon those cultural influences that affect both child development and the educational programs for the young child.
EEC	6705	Intellectual Growth In Childhood	3	ED	EDU		Intellectual development of the normal child with particular emphasis on the studies of Jean Piaget and how they relate to curriculum for children, ages 0-8. Child study through observation required.
EEC	6926	Workshop In Early Childhood Education	3	ED	EDU		Individual problems and innovations related to methods and materials of instruction in early childhood.
EEC	6971	Thesis: Masters/Educational Specialist	2-19	ED	EDU		
EEC	7910	Directed Research in Early Childhood Education	1-19	ED	EDU	PR: Advanced graduate standing.	Independent student-faculty research course.
EEC	7980	Dissertation	2-30	ED	EDU	PR: Admission to Candidacy	
EED	6211	Educational Strategies for	3	ED	EDS		Advanced methods and materials for planning, implementing, and

		Students With Behavior Disorders					evaluating educational interventions with students with behavior disorders. For certification.
EED	6215	Advanced Theories and Practices in Behavior Disorders	3	ED	EDS	Introductory course in special education.	In-depth study of specific behavioral disorders of children and youth, with an emphasis on educational implications and interventions.
EED	6246	Educating the Autistic Student	3	ED	EDS	PR: GS, introductory course in educating exceptional students; Psycho-educational assessment.	Developing and managing appropriate and effective educational programs and techniques for students who have autism.
EED	6943	Supervised Practicum in Behavior Disorders	1-12	ED	EDS	PR: CI. S/U.	Supervised graduate practicum experiences with children who have behavior disorders. For students seeking certification only.
EEL	5250	Power System Analysis	3	EN	EGE	PR: EGN 3375.	Analysis and design technique for AC power systems.
EEL	5344C	Digital CMOS/VLSI Design	3	EN	EGE	PR: EEL 4705 or GS.	Design, layout, simulation, and test of custom digital CMOS/VLSI chips, using a CMOS cell library and state-of-the-art CAD tools. Digital CMOS static and dynamic gates, flip flops, CMOS array structures commonly used in digital systems. Top down design example of a bit slice processor.
EEL	5356	Integrated Circuit Technology	3	EN	EGE	PR: EEL 4351 or GS.	Physics and Chemistry of integrated circuit and discrete device fabrication, materials limitations, processing schemes, failure and yield analysis. A laboratory is integral to the course.
EEL	5357	Analog CMOS/VLSI Design	3	EN	EGE	PR: EEL 4301 or GS.	Design of analog circuits for CMOS/VLSI design. Op amps, comparators, D to A and A to D converters. Switched capacitor filters. Analog simulation.
EEL	5382	Physical Basis Of Microelectronics	3	EN	EGE	PR: EEL 4471 or GS.	Quantum mechanics with emphasis on electronic properties in atoms, molecules, and crystals; quantum statistics; energy band theory; crystal structures; defect chemistry; semiconductor properties.
EEL	5437	Microwave Engineering	3	EN	EGE	PR: EEL 4471, EEL 4102, or GS.	Introduction to passive and active components, devices, and circuits, including transmission lines and

							wave guides, employed in microwave integrated circuits and systems.
EEL	5462	Antenna Theory	3	EN	EGE	PR: EEL 4471 or GS.	Antenna theory beginning with fundamental parameter definitions and continuing with mathematical concepts, elemental antennas and arrays.
EEL	5572C	Local and Metropolitan Area Networks	3	EN	EGE	PR: EEL 4512C or GS.	Basics of data communication exchange of digital information over communication media; Basics of LANs/MANs and its components: media topologies, access methods, etc.; LAN/MAN architectures and protocols-IEEE 802.xLAN Standards; High speed LANs such as FDDI, IEEE 802.6 MAN, etc., Internetworking; LAN/MAN Design and selections.
EEL	5631	Digital Control Systems	3	EN	EGE	PR: EEL 4657 or GS.	Sample data and digital control processes
EEL	5754C	Microprocess or Based Digital Signal Processing	3	EN	EGE	PR: EEL 4705 or CI.	Arithmetic systems, processing structures, efficient algorithms. DSP hardware, TI, NEC and other DSP microprocessors; multiprocessing hardware and software. System development. Application to telecommunications and voice processing.
EEL	5771	Introduction to Computer Graphics I	3	EN	ESB	PR: EEL 4851C.	An introduction to the evolution of computer graphics including point-plotting, line drawing, two-dimensional transformations and graphics software packages.
EEL	5935	Special Electrical Engineering Topics I	1-3	EN	EGE		
EEL	5936	Special Electrical Engineering Topics II	1-3	EN	EGE		
EEL	5937	Special Electrical Engineering Topics III	1-3	EN	EGE		
EEL	6151	Advanced Circuit Theory II	3	EN	EGE	PR: EEL 6150.	Network fundamentals; network characterization, frequency analysis; superposition integrals; signal-flow techniques, stability problems; real and imaginary relations.
EEL	6318	Characterization of	3	EN	EGE		Electrical, optical, chemical, and physical methods used to

		Semiconductors					characterize semiconductor materials and devices; includes surface and near surface spectroscopes. Available to non-majors.
EEL	6345	VLSI for Signal Processing	3	EN	EGE		VLSI applications in signal processing and telecommunications. General purpose DSP architectures. ASIS architectures: systolic arrays, data-flow multiprocessing, wavefront arrays. Case histories: modems, echo cancelers, digital PLL, etc. High-speed arithmetic and algorithms.
EEL	6353	Semiconductor Device Theory I	3	EN	EGE		Theory of operation and application of circuits and devices.
EEL	6354	Semiconductor Device Theory II	3	EN	EGE	PR: EEL 6353.	Theory of operation and application of circuits and devices.
EEL	6355	Compound Semiconductor Technology	3	EN	EGE		Bulk crystal and epitaxial growth technologies of III-V and II-VI compound semiconductors. The properties, characterization, and device applications of these compounds will be emphasized.
EEL	6391	Noise in Electrical Devices	3	EN	EGE	PR: EEL 6387.	Characteristics, measurements and generation mechanisms of noise sources observed in electronic materials and devices. Materials and devices to be considered include thin and thick films, superconductors, semiconductors and semiconductor devices.
EEL	6434	Active Microwave Structures and Devices	3	EN	EGE	PR: EEL 5437	Theory and design of solid state low noise and high power amplifiers, solid state oscillators and high power tubes for waveguide, coax and integrated circuit applications.
EEL	6447C	Optoelectronics	3	EN	EGE		Basic principles and operations of lasers and analyses of power output and frequency pulling in laser oscillators.
EEL	6463	Advanced Antenna Theory	3	EN	EGE	PR: EEL 5462.	Electromagnetic radiating systems studied by analytical and numerical methods.
EEL	6481C	Numerical Techniques In Electromagnetism	3	EN	EGE	PR: EEL 5462, EEL 6486CC.	Review of Maxwell's equations. Finite differences, finite elements, boundary elements method of moments. Introduction to geometric theory of optics and diffraction.
EEL	6486C	Electromagnetic Field Theory	3	EN	EGE		Time harmonic electromagnetic fields emphasizing problems in transmission lines and electric power transmission.

EEL	6487C	Advanced Electromagnetic Field Theory	3	EN	EGE	PR: EEL 6486C.	Time harmonic fields emphasizing problems with exact solutions in the rectangular, cylindrical and spherical coordinate systems. Solutions by methods, Green's functions and vector methods.
EEL	6502	Digital Signal Processing I	3	EN	EGE		Digital signals and Fourier transforms. Z-transforms, digital filter networks; DFT, DCT, and fast transforms. Design of IIR and FIR filters; quantization effects. Multi-rate processing; interpolation and decimation.
EEL	6506C	Broadband Communication Networks	3	EN	EGE	PR: EEL 6534.	Objectives of networking, circuit and packet switching, queuing theory. Topologies, layered architectures, protocols and network performance. Local and wide area networks. Broadband networks: SONET, SHD, ATM and B-ISDN. ATM: cell concept, virtual paths and channels, layer functions, interfaces and protocols; switch fabrics; CBR, VBR, ABR traffic, QOS. Current trends and internet. Applications to data/voice/video/multimedia traffic.
EEL	6509	Satellite Communication	3	EN	EGE	PR: EEL 6534.	Satellite characteristics, link calculations, earth station, frequency management, large and small mobile earth terminals. Digital communication for satellites: modulation coding and multiple-access techniques. Examples including the INTELSAT series.
EEL	6519	Ultra High Speed Communications	3	EN	EGE	PR: EEL 6535.	Ultra high-speed channels; radio, microwave, and lightwave. High-order constellations. Multiplexing, demultiplexing, and framing. Adaptive equalization for intersymbol interference and multipath fading. Switching space and time for UHS streams.
EEL	6534	Digital Communication Systems	3	EN	EGE		Digital communication & info. theory. Random processes. Digital modulation and demodulation. Source & channel coding. Detection theory: matched filter and sequence detection. Multiple access techniques. Spread spectrum & multi-user radio communications.
EEL	6545	Random Processes in Electrical Engineering	3	EN	EGE		Review of probability theory, functions of random variables; examples in electrical engineering. Sequences of random variables.

							Concepts in random processes, correlation functions, power spectrum, random inputs to linear systems. Spectral analysis. Applications to engineering systems.
EEL	6563	Optical Fiber Communication	3	EN	EGE	PR: EEL 6545.	A study of fiber-optic technology as applied to communications systems.
EEL	6586	Speech Signal Processing	3	EN	EGE	PR: EEL 6502.	Speech models: acoustic tube, source-filter. Time and frequency domain properties. Linear prediction analysis of speech. Speech coding: APCM, DPCM, ADPCM, sub-band, VQ, etc. Speech synthesis and recognition. Speech processing hardware.
EEL	6592	Digital Video and Multimedia	3	EN	EGE		Principles of video transmission and television. Digital video standards. Multimedia principles (including video, image, and sound) and their applications. Enhanced definition and high definition television principles, standards, and technology.
EEL	6593	Mobile and Personal Communication	3	EN	EGE	PR: EEL 6534.	Characteristics of wireless mobile channels indoor and outdoor ; multipath and shadow fading, frequency reuse; micro and pico cells; base-station and portable units. Cell coverage, blocking, and co-channel interference. TDMA, FDMA, CDMA and hybrid approaches to multiple access. Protocols, hand-over. Voice, data, and multi-media over wireless indoor channels.
EEL	6597	Wireless Network Architecture and Protocols	3	EN	EGE	PR: EEL 6593 or CI.	Wireless systems and standards. Network fundamentals. Channel characteristics, models. Modulation/coding, spread spectrum. Multiple access control: TDMA/FDMA/CDMA. Mobility/resource management. Wireless network architecture-cellular, satellite, broadband.
EEL	6613	Modern Control Theory	3	EN	EGE		A study of modern control techniques including optimum and adaptive control.
EEL	6614	Systems and Control Theory I	3	EN	EGE		Analysis of multi-variable linear systems continuous and discrete time, state-space methodology and transfer functions description . Analysis and design of feedback control systems. Effects of plant and

							measurement noise. Optimal control.
EEL	6615	Systems and Control Theory II	3	EN	EGE	PR: EEL 6614.	Continuation of EEL 6614.
EEL	6620	Nonlinear Control Systems	3	EN	EGE		Principles of state-variables, phase-plane and describing functions.
EEL	6640	Random Processes in Control Systems	3	EN	EGE		Analysis and design of control systems subject to random inputs and disturbances.
EEL	6658	RF & Microwave Measurements	2	EN	EGE	Wireless Circuits Systems Lab.	Concentrates on the theory and applications of modern radio frequency and microwave measurements. Topics include network analyzer, spectrum analyzer, noise, power and non-linear distortion measurements.
EEL	6706	Testing And Fault Tolerance In Digital Systems	3	EN	ESB	PR: COP 2400, CDA 4201 or CI, majors only.	Test generation for combinational and sequential digital circuits, fault analysis and diagnosis. Methods for reliability improvement through fault tolerant and testable circuit design. Introduction to software reliability.
EEL	6707	Advanced Digital Systems	3	EN	EGE		Principles of combinational circuit analysis, duality, hazards, IC gates, circuit design. Analysis of fundamental mode sequential circuits, sequential circuit synthesis, design for testability, using MSI and standard cells. Register transfer design and hardware description languages.
EEL	6752	Digital Signal Processing II	3	EN	EGE	PR: EEL 6502.	Fast algorithms, FFT, fast convolution; DCT, CZT. Random signals. Linear prediction, application to speed coding. Spectrum estimation. Quantization effects. Pencil-of-functions method. Adaptive filtering and equalization.
EEL	6753	Digital Signal Processing III	3	EN	EGE	PR: EEL 6502 or EEL 6752.	Advanced topics in digital signal processing, e.g. a Adaptive arrays, beam forming, and applications to radar and sonar, b Multi-rate filtering, multi-resolution analysis, sub-band analysis, wavelet transforms, and applications to images and other large-scale measurements, c Noise cancellation, and d inverse problems, such as CT reconstruction.
EEL	6764	Principles Of Computer Architecture	3	EN	ESB	PR: CDA 4100 or CI.	Arithmetic algorithms, CPU speedup techniques, memory hierarchies, virtual memory, input-output. Study



							of the number systems and the algorithms used for digital arithmetic computation with emphasis on their implementation, speed and reliability considerations.
EEL	6765	Microsystem s and MEMS Technology	3	EN	EGE		This course provides an overview of the MEMS Technology, focusing on devices and systems that can be developed using standard processing approaches.
EEL	6766	Advanced Computer Architecture	3	EN	ESB	PR: EEL 6764 or CI.	Control unit and microprogramming, reduced instruction set computers RISC , object oriented systems, multiprocessor systems, supercomputers. The macrostructure of computers is considered in this course, ranging from the orthodox von Neumann design to multiprocessors, stack processors, pipeline systems, and associative computers.
EEL	6820	Image Processing	3	EN	EGE		Two-dimensional signals including random, convolution and system functions. Fourier transform and FFT in two dimensions. Digitization of two-dimensional signals, quantization and aliasing errors. Filtering, restoration, and low bit-rate coding of images. Application to video-conferencing.
EEL	6846	Coding Theory	3	EN	EGE	PR: EGN 5423.	Error-correcting codes, algebraic block codes, linear codes and feedback shift registers; BCH codes; convolutional codes; burst error correcting codes; arithmetic codes; decoding methods.
EEL	6908	Independent Study	1-19	EN	EGE	S/U.	Independent study in which students must have a contract with an instructor.
EEL	6932	Advanced Engineering Seminar	1-3	EN	EGE		
EEL	6935	Selected Electrical Topics	1-3	EN	EGE		
EEL	6936	Special Electrical Problems	1-3	EN	EGE		
EEL	6971	Thesis: Master's	2-19	EN	EGE	S/U.	
EEL	7931	ST in Communicati on	3	EN	EGE	PR: EEL 6535.	Advanced topics in communications such as synchronization, spread-spectrum communications, fading channels, large constellation

							signaling schemes, mobile radio, statistical multiplexing, performance measurement, etc.
EEL	7980	Dissertation: Doctoral	2-19	EN	EGE	PR: Admission to Candidacy. S/U.	
EEX	5705	Seminar in Preschool Handicapped	2	ED	EDS		Intended to familiarize the education student with the wide range of needs and services of the preschool children with disabilities and their families and how they coordinate with educational services.
EEX	5752	Working With Families: A Pluralistic Perspective	3	ED	EDS	PR: Introductory course in special education, GS.	The impact of the socio/cultural environment on the education of at-risk children and children with disabilities; family systems theory, principles of multi-cultural education, strategies for working effectively with families of school-age children, diverse cultures and family structures represented in school populations today.
EEX	6025	Trends and Issues in Special Education	3	ED	EDS	Fall Semester. DPR.	Survey of all exceptionalities including current trends and issues related to the field of special education.
EEX	6051	Creating Positive Learning Environments for Students with Disabilities	6	ED	EDS	PR: Admission to the MAT.	This course presents an overview of assessment, behavior management, and instructional planning for students with disabilities. It also incorporates content about the historical and legal foundations of special education and theories and research that focus on defining, describing and intervening with students who have learning disabilities, behavior disorders, mild-moderate mental retardation, mild to moderate developmental disabilities, and physical disabilities.
EEX	6222	Advanced Psychoeducational Assessment of Exceptional Students	3	ED	EDS	PR: GS, introductory courses in exceptional student education and educational assessment.	Theory and methodology associated with norm-referenced, criterion-referenced, curriculum-based, ecological, and psychoneurological assessment procedures for exceptional students.
EEX	6225	Developing Individualized Educational Programs for Students with Disabilities	6	ED	EDS	PR: EEX 6051 and admission to the MAT.	This 6-hour course reinforces and extends competencies in assessment, behavior management, legal and ethical foundations of special education, instructional planning, working with families, collaboration,

							and characteristics of disabilities. Content emphasizes knowledge and skills needed by teachers who are working with students who have mild disabilities and those from diverse cultural, socioeconomic and ethnic areas.
EEX	6228	Observational Methods and Functional Assessment	3	ED	EDS		Provide students with instruction in functional assessment procedures and direct observation methods to be used consistent with the principles of applied behavior analysis in mental health and education settings.
EEX	6245	Transitional Programming for the Adolescent and Young Adult Exceptional Student	3	ED	EDS	PR: GS, introductory course in educating exceptional students.	Procedures for implementing educational programs with exceptional adolescents. Includes educational programming, alternative programs, community resource coordination, career/occupational education, and advocacy.
EEX	6248	Instructional Approaches for Exceptional Populations	3	ED	EDS	PR: Introductory course in special education, GS.	In-depth study of instructional strategies that are effective when teaching students with emotional disturbance, mental retardation, and learning disabilities. Content includes techniques for curriculum adaptation, IEP development; direct, data-based and metacognitive strategy instruction; and micro-computer applications.
EEX	6511	Administration of Exceptional Student Programs	3	ED	EDS	Fall Semester.	Procedures that local, state, and national administrators may use to implement services for exceptional students.
EEX	6526	Grantsmanship	3	ED	EDS	PR: Advanced GS.	Fundamental skills for obtaining external funding of training, service, and research projects in education and the social sciences. Includes locating and communicating with sponsors, developing proposals, and preparing budgets. Emphasis is on grantsmanship in an academic environment.
EEX	6612	Management and Motivation of Exceptional and At-Risk Students	3	ED	EDS	PR: Introductory course in special education, GS.	Available to non-majors. Focuses on approaches to classroom management and motivational strategies when working with exceptional students. Content includes applied behavior analysis techniques, psychoeducational approaches, and social skills training.
EEX	6706	Education of	3	ED	EDS	Fall Semester.	Education of children ages birth

		the Preschool Handicapped Child					through five with special needs. Basic concepts, curricular intervention strategies, and organizational structures are covered.
EEX	6732	Consultation and Collaboration in Special Education	3	ED	EDS	PR: Introductory course in special education, GS.	Theories of consultation and collaboration. Overview of service delivery models in special education.
EEX	6906	Independent Study: Special Education	1-6	ED	EDS	S/U.	Independent study in which students must have a contract with an instructor.
EEX	6936	Seminar in Integrating Exceptional Students in Regular Educational Environments	3	ED	EDS		Designed for non-special education graduate students. Surveys the characteristics of exceptional student populations, identification procedures, and systems for providing appropriate services for \
EEX	6939	Advanced Seminar: Paradigms, Practices, and Policies in Special Education	3	ED	EDS	PR: DPR. Students should be in the last semester of coursework for master's degree.	An advanced graduate seminar stressing cross-categorical relationships. Topics include research that deals with paradigms for providing service, service models, and legal mandates.
EEX	6943	Practicum in Exceptional Student Education	1-4	ED	EDS	PR: Admission to Master's Degree Program in Special Education and DPR. S/U.	Supervised field work in exceptional student education with children (including preschool handicapped) who have learning disabilities, mental handicaps, emotional and behavioral disabilities, physical disabilities, or multiple disabilities.
EEX	6971	Thesis: Masters/Educational Specialist	2-19	ED	EDS	S/U.	
EEX	7203	Educational Implications of Psychosocial Aspects of Exceptional Children	1-5	ED	EDS	DPR.	This course will be concerned with the identification of the psychosocial needs and characteristics of exceptional children; opportunity of analysis of the educational implications of these needs and characteristics.
EEX	7301	Selected Topics in Special Education	1-8	ED	EDS	PR: EEX 7341 or DPR.	Identification and study of ethical and research issues in special education. Opportunity will be provided for the student to gather and process data, as appropriate, culminating in a written report and/or oral presentation to fellow student researchers.

EEX	7341	Research Studies and Their Implications in the Education of Exceptional Children	3	ED	EDS	PR: EDF 6431, EDF 6481, or equiv., DPR.	This course will involve a study of current research and research methods used in exceptional child education. The transition from theory to practice will be made through the examination and discussion of implications in the field of special education that can be drawn from the research.
EEX	7741	Philosophy and Theory in the Preparation of Special Education Specialists	3	ED	EDS	PR: Admission in the Program for Ed.S. or Ph.D. in Education. DPR.	In-depth exploration of the philosophy and theory in special education. A theoretical basis for the preparation of specialists in the field of exceptional child education.
EEX	7743	Philosophies of Inquiry	3	ED	EDS	PR: EDF 6481 or Equivalent, or permission of instructor	The purpose of this course is to introduce doctoral students to different approaches to educational research and to alternative frames for criticism, including postpositivism, constructivism, poststructuralism, pragmatism, critical theory, narrative, race and gender, ethics, and aesthetics.
EEX	7744	Curriculum and Instructional Issues in Urban Special Education	3	ED	EDS		The purpose of this course is to review and critically examine the theoretical and research literature on the interactions of race, culture, class, and disability on the schooling experiences of urban (ethnic minority and impoverished) children and their families. The course also takes into account that ethnic minority and poor children may or may not reside in urban areas and as a result of school and community desegregation movements, those learners may also attend suburban and rural schools, in addition to urban schools. The course will provide varied formats for graduate students to identify and address critical issues and trends in urban special education and related services areas that impact outcomes for minority learners across social classes and impoverished learners from majority cultural backgrounds.
EEX	7745	Historical, Ethical, and Disciplinary Foundations of Special	3	ED	EDS		Historical, Ethical, and Disciplinary Foundations of Special Education provides doctoral students a critical understanding of the social, political, ethical, and legal contexts that

		Education					shaped the research, policies, and practices in the field of Special Education during the twentieth century.
EEX	7815	Research Seminar	2-3	ED	EDS	PR: Admission to Doctoral Program	This seminar, taken each semester of the first and second years of the doctoral program, will contribute to the development of the skills and values that lead to the creation of new knowledge and its application to the field of special education in order to improve outcomes for students who have disabilities and their families. Issues in urban schools will be emphasized.
EEX	7841	Fieldwork With Exceptional Students	1-5	ED	EDS	DPR.	Practical field experience in curriculum development, classroom teaching, supervision, and/or administrative areas in special education.
EEX	7910	Directed Research	1-19	ED	EDS		
EEX	7911	Specialized Study In: Mental Retardation, Behavior Disorders, Specific Learning Disabilities, and Gifted Education	1-8	ED	EDS	DPR.	The specialized study enables advanced exploration of knowledge in an area of interest to the student in special education.
EEX	7939	Teacher Education in Special Education: Conceptual	2	ED	EDS	PR: Admission to the PH.D. program in Special Education.	This four-semester seminar focuses on teacher education in special education.
EEX	7980	Dissertation	2-30	ED	EDS	PR: Admission to Candidacy.	
EGI	5051	Nature and Needs of the Gifted	3	ED	EDS		This survey course examines the characteristics and educational needs of children and youth who are gifted, including those from special populations. Emphasis is on giftedness as defined historically, nationally and locally. The course also explores changing views of intelligence and talent development related to policy and practice in gifted education as well as the processes of identification and programming.
EGI	5325	Theory and	3	ED	EDS		Exploration of the concept of

		Development of Creativity					creativity, its factors, measurement, and application to education. Opportunities are given to work with children in a laboratory setting and to prepare materials to be used with small groups of children.
EGI	6232	Advanced Educational Strategies for the Gifted	3	ED	EDS	PR: EGI 5051.	Curriculum adjustments, methods and techniques, as well as classroom organizations necessary for teaching students who are gifted will be the focus of this course. Emphasis will also be on curriculum in gifted programs within the context of school reform and restructuring.
EGI	6416	Consultation, Counseling, and Guidance Skills for Gifted Students	3	ED	EDS		Primary emphasis of this course will be to provide an awareness, knowledge, and understanding of the unique guidance and counseling needs of students who are gifted and talented or from special populations.
EGI	6936	Seminar in Education of the Gifted: Special Population	3	ED	EDS		This seminar will provide a critical survey of the research, issues, policy, ethics, and practices related culturally diverse, economically disadvantaged, limited, English proficient, twice exceptional, highly gifted, or very young.
EGI	6943	Supervised Practicum in Gifted Education	1-12	ED	EDS	PR: CC. S/U.	Planned experiences working with students who are gifted, program development and administration, or an individualized inquiry of a specific issue related to gifted education.
EGM	6656	Theory of Elasticity	3	EN	EGX	PR: CES 6116	Classical and contemporary elasticity theory with applications to engineering problems.
EGN	5421	Engineering Applications for Vector Analysis	3	EN	EGB		Vector methods in electromagnetism and fluid mechanics. Vector operators, line and flux integrals, potential and transport theorems, applications.
EGN	5422	Engineering Applications of Partial Differential Equations	3	EN	EGB		Power series solutions for ordinary differential equations, Sturm-Liouville theory, special functions. Vector methods with generalized coordinates. Separation of variables for partial differential equations. Green's functions. Calculus of variations. Numerical methods.
EGN	5423	Neural Networks and Mathematics for	3	EN	EGB		Finite fields and coding applications. Probabilities of error detection and correction. Introduction to neural networks. Advanced matrix algorithms: LU and QR

		Communicati on					factorizations, least-squares, pseudoinverses.
EGN	5424	Engineering Applications of Complex Analysis	3	EN	EGB		Analytic functions, conformal mapping, residue theory, Laurent series, transforms. Applications to various problems in engineering and physics.
EGN	5425	Engineering Applications of Advanced Matrix Computations	3	EN	EGB		Survey of theory and software for matrix computations: factorization methods, least squares and pseudoinverses, eigenvector algorithms. Special matrices and representations for control system and finite element applications.
EGN	6426	Engineering Analysis VI	3	EN	EGB	PR: EGN 4420.	Application of computational and mathematical techniques and principles to advanced engineering problems.
EIN	5245	Work Physiology and Biomechanics	3	EN	EGS	PR: CC, majors only.	Human physiological limitations encountered in design, analysis and evaluation of man-machine systems.
EIN	5322	Principles of Engineering Management	3	EN	EGS		Introduction to the fundamentals of planning, organizing and leadership as needed by engineers, scientists, and other professionals considering managerial positions.
EIN	5350	Technology and Finance	3	EN	EGS		A course for technical managers that focuses on how financial and economic principles are utilized to make technical investments and manage technical enterprises.
EIN	5357	Engineering Value Analysis	3	EN	EGS	PR: EIN 5219 or equiv., majors only	Statistical models for analyzing engineering alternatives from an economic viewpoint. The use of advanced engineering economy concepts in solving industrial problems.
EIN	6106	Technology and Law	3	EN	EGS	PR: CI.	Selected topics related to the relationships between and among technology, law and social policy, including governmental regulation, products liability, professional liability, contract negotiation and formation, and developments and trends affecting engineering professionals.
EIN	6107	Professional Behavior and the Engineer	3	EN	EGS	PR: CI..	A study of professional ethics and morals as faced by technical managers in the development, production, and marketing of industrial products and services. Emphasis on case studies, class



							discussions, and guest lecturers regarding ethical issues in managerial decision making.
EIN	6108	EM-Human Relations	3	EN	EGS		Human relations, understanding oneself, understanding other people, influencing and motivation performance, improving moral and discipline, and self appraisal and analysis for the technical manager.
EIN	6119	Decision Support Systems in Engineering Management	3	EN	EGS	Majors only	Conceptual foundations of decision support systems with focus on the needs of engineering managers and effective decision making in technological and scientific organizations.
EIN	6121	Technology and Markets	3	EN	EGS		Marketing strategy and its relationship to the development of technology from the viewpoint of interaction between the technical enterprise and its industrial and government customers.
EIN	6204	Engineering Information Processing	3	EN	EGS	Majors only.	A study of human information processing theories and measurement techniques as applied to engineering problems emphasizing perceptual, cognitive, and learning aspects of interpersonal and human-computer communication.
EIN	6215	Engineering System Safety	3	EN	EGS	PR: Statistics.	The theory and practical implications of the concept of systems safety as these relate to the life cycle of a product or system. Analysis of the fundamental concepts, design implications, and specifications of safety in human machine environments.
EIN	6216	Occupational Safety Engineering	3	EN	EGS	PR: GS in Public Health or Engineering or CI.	Introduction to the principles of designing, maintaining, and managing a workplace free from hazards. Covers mechanical hazards, fall and lifting hazards, climatic and environmental hazards, fire and explosive hazards, and pressure hazards. Considers design issues, warnings, and personal protective equipment. Term project required.
EIN	6258	Human/Computer Interaction	3	EN	EGS	PR: EIN 5245, majors only.	Application of human factors in the design and operation of man/machine systems. Analysis of the use of microprocessors and computer-controlled devices in man/machine systems.
EIN	6265	Industrial Mental	3	EN	EGS	Majors only.	Theories and concepts of mental hygiene and positive mental health

		Health					as applied to organizational settings. Review of research studies related to industrial mental health; stress management; strategies for improving mental health and employee performance.
EIN	6319	Work Design And Productivity Engineering	3	EN	EGS	Majors only.	Foundations of motivated work performance, job satisfaction and organizational productivity. Analysis of job content and job context, comparison of different concepts for improving organizational effectiveness; suggestions for productivity improvements through effective work redesign.
EIN	6323	Engineering Management Policy And Strategy	3	EN	EGS	Majors only.	Strategic planning and policy formulation in technical and scientific organizations. General managers in the middle. Translation of strategic plans into action plans and implementation of the strategic change process. This is a capstone course in the EM program to be taken during the last semester of the student's program.
EIN	6324	Technical Entrepreneurship	3	EN	EGS		A comprehensive study of developing and starting an engineering venture. Student teams work out a business plan for a company to develop, manufacture, and distribute a technical product or service.
EIN	6336	Production Control Systems	3	EN	EGS	PR: CC, majors only.	Forecasting models, development of production plans, loading and scheduling models and basic inventory models. Use of MRP. Design and evaluation of production control systems.
EIN	6386	Management of Technological Change	3	EN	EGS	Majors only.	A study of problems encountered by managers in the planning, organizing, directing, and controlling of resources in technology-based organizations.
EIN	6605	Robotics And Assembly Automation	3	EN	EGS	Majors only.	The use of robots in manufacturing assembly; coordinated use of robots, machine tools, feeders, holding devices, and material handling systems.
EIN	6934	Special Industrial Topics I	1-3	EN	EGS	PR: CC, majors only.	
EIN	6935	Special Industrial Topics II	1-3	EN	EGS	PR: CC, majors only.	

EIN	6936	Special Industrial Topics III	1-3	EN	EGS	PR: CC, majors only.	
EIN	6971	Thesis: Master's	2-19	EN	EGS	Majors only. S/U.	
EIV	5315	Program Management: Diversified Cooperative Training	3	ED	EDV		Organization, coordination, and budgeting of adult, cooperative, and special programs.
ELD	6015	Advanced Theories and Practices in Specific Learning Disabilities	3	ED	EDS	PR: Introductory course in exceptional child education, GS.	Various conceptual and/or theoretical models are reviewed; current trends and issues related to education of children with specific learning disabilities.
ELD	6235	Educational Strategies for Student With Specific Learning Disabilities	3	ED	EDS	PR: ELD 6015, EEX 6222.	Advanced educational procedures and materials development for the student with specific learning disabilities. For certification.
ELD	6943	Practicum With Learning Disabilities	1-12	ED	EDS	PR: CC. S/U.	Supervised experiences with children who have learning disabilities.
ELR	7910	Directed Research	1-19	EN	EGE	PR: GR. Ph.D. level. S/U.	
EMA	5326	Corrosion Control	3	EN	EGX	PR: EGN 3365.	Provide understanding of corrosion fundamentals. Introduce design for corrosion detection, protection, and control. Acquire research project experience.
EME	5403	Microcomputers in Education	3	ED	EDK		A survey course designed to introduce practicing teachers to microcomputer technology and its function in the classroom to augment the teaching and learning processes. Objectives include the use and evaluation of educational software, classroom use of computers, instructional computing research, generic applications software (word processors, database managers, etc.), programming, disk operating systems, and microcomputer hardware.
EME	6425	Microcomputers For School Management	3	ED	EDK		This course provides information and skills necessary for administrators and teachers to effectively use the computer and application software to manage information. Students use programs such as word processors, database managers, and spreadsheets

							to facilitate management tasks at the school and classroom level. In addition, general computer education topics are covered which provide for the computer literacy of school administrators.
EME	6613	Development of Technology-Based Instruction	3	ED	EDK	PR: EDF 6284 or DPR.	Application of computer-based instructional design principles to the development of technology-based instruction. This course also incorporates state-of-the-art materials and methods involving digital technologies.
EME	6906	Independent Study in Instructional Technology	1-6	ED	EDI		Independent study under the direction of an IT faculty member. Student must have contract with instructor.
EME	6930	Programming Languages for Education	3	ED	EDK	PR: Computer literacy	Development of concepts, strategies, and materials for using programming languages in educational settings. Separate sections will focus on different programming languages such as LOGO, BASIC, Hyperscripting, Pascal, Advanced Pascal.
EME	6936	Applications of Computers as Educational Tools	3	ED	EDK	PR: Computer literacy	Selected topics in the application of computing and related technology to the teaching and learning processes. Separate sections will focus on topics such as telecommunications, image and sound processing, interactive media, artificial intelligence, data acquisition, and information systems.
EME	7458	Research in Distance Learning	3	ED	EDI	PR: Graduate Standing; computer and e-mail access	An on-line course about distance learning designed to provide an integrated framework to explore theory within practice. Topics include distance technologies; implications for teaching and learning; issues and trends; and research.
EME	7631	Research in Technology Project Management	3	ED	EDI	PR: Graduate Standing; EDF 6284 or CI	A graduate level course that examines project management and provides tools and process to apply sound project management principles to the field of instructional design and technology. Topics include project management issues related to time, resources, technical, and people skills.
EME	7910	Directed Research in Instructional	1-19	ED	EDI	PR: CI.	This course permits a doctoral student to conduct advanced research and to pursue specific areas of

		Technology					interest with a faculty member as supervisor. A contract is required with the faculty member. S/U.
EME	7938	Computer-Augmented Instructional Paradigms in Education	3	ED	EDK	PR: Admission to program or DPR.	Seminar examining theory and application of computers and related technology in teaching and learning.
EME	7939	Research in Technology-Based Education	3	ED	EDK	PR: Admission to program or DPR.	Seminar examining in-depth research on the uses of computers and related technology on teaching and learning. Also includes investigation on role of computers and related technology as research instrumentation.
EME	7980	Dissertation	2-30	ED	EDK	PR: Admission to Candidacy	
EML	5930	Special Topics III	1-4	EN	EGR	PR: CC.	
EML	6105	Advanced Thermodynamics and Statistical Mechanics	3	EN	EGR	PR: ECH 3023C or EML 4106C or CI	Topics in classical thermodynamics, some elementary subjects in statistical mechanics and some applications in combustion.
EML	6145	Numerical Methods in Heat Transfer	3	EN	EGR	PR: CI, majors only	Application of finite difference and finite element techniques to problems of conduction and convection. Cartesian, cylindrical and spherical systems. Steady and transient solutions.
EML	6154	Advanced Conduction Analysis	3	EN	EGR	PR: EML 4124, EML 3041, majors only	Multi-dimensional heat transfer. Emphasis on solution techniques, exact and numerical.
EML	6157	Radiation	3	EN	EGR	PR: EML 4124, majors only	Review of basic principles of radiation, grey bodies and real surfaces, calculation of shape factors, absorbing gases.
EML	6223	Synthesis of Vibrating Systems	3	EN	EGR	PR: EML 4220, majors only	Advance topics in vibration. Random vibration in mechanical systems. Auto-correlation and power spectral density. Response of single and multidegree of freedom systems to random excitation. Frequency response function and coherency measurements. Contents variable.
EML	6232	Composite Laminated Materials	3	EN	EGR	PR: EML 3500, majors only.	Fundamental relationships for predicting the mechanical and thermal response of multi-layered materials and structures. Micromechanical and macromechanical relationships are developed for laminated materials with emphasis on continuous filament. Material, structural and strength optimization to design

							laminated composite materials using user-friendly software.
EML	6273	Advanced Dynamics of Machinery	3	EN	EGR	PR: EML 3624 or CI, majors only	Detailed study of velocities, accelerations and forces in machines with parts having rotating, reciprocating, and combined motion.
EML	6375	Dir Dig Ctrl I		EN	EGR		
EML	6570	Principles of Fracture Mechanics	3	EN	EGR	PR: EML 3500.	Introduction to the mechanics of brittle and ductile fracture. Linear elastic fracture, elastic-plastic fracture, testing, metals and non-metal materials, and fatigue fracture.
EML	6606	HVAC Systems Design	3	EN	EGR	PR: EML 4601 or CI, majors only	Criteria for selection of systems types; performance, characteristics of single zone, multizone, double duct and variable volume systems; energy conservation in HVAC design; HVAC controls; computer models of HVAC systems; solar energy used in HVAC.
EML	6653	Applied Elasticity	3	EN	EGR	PR: EML 3500	Students will apply the fundamentals of elasticity to engineering problems. Practical problems will be solved and advantages of using particular methods will be illustrated.
EML	6713	Advanced Fluid Mechanics	3	EN	EGR	PR: CI, majors only	Introduction to computational problem solutions in fluid mechanics and heat and mass transfer as applied to mechanical engineering. The emphasis is on the formulation and solution of computational engineering problems.
EML	6801	Robotic Systems	3	EN	EGR	PR: CI, majors only	Overview of existing industrial and specialized robot types and operation; vision systems; tactile sensors; ranging and proximity techniques; actuation/transmission methods; power sources; autonomous vehicle mobility and navigation methods; and artificial intelligence.
EML	6808	Mechanics and Control of Robotic Manipulators	3	EN	EGR		The purpose of this course is to understand the mechanics and control of robot manipulators. Topics include: Spatial descriptions and transformations; manipulator kinematics; manipulator dynamics; path planning and trajectory generation; position and force control implementation.
EML	6907	Independent Study	1-6	EN	EGR	PR: GR, majors only S/U.	Independent study in which students must have a contract with an instructor.
EML	6930	Special	1-3	EN	EGR	PR: CC, majors	

		Problems I				only	
EML	6931	Special Problems II	1-3	EN	EGR	PR: CC, majors only	
EML	6971	Thesis: Master's	2-6	EN	EGR	PR: CC, majors only	
EML	7915	Directed Research	1-6	EN	EGR	PR: CC and GR. Ph.D. level, majors only. S/U.	
EML	7980	Dissertation: Doctoral	2-12	EN	EGR	PR: Admission to Candidacy	
EMR	6052	Advanced Theories and Practices in Mental Retardation	3	ED	EDS	PR: GS; introductory course in exceptional student education.	In-depth study of the complex social and biological aspects of mental retardation with particular reference to effects on education.
EMR	6303	Educational Strategies for the Mentally Retarded	3	ED	EDS		In-depth study of the specific curriculum and methodological problems in teaching students with mental retardation. For certification.
EMR	6943	Graduate Supervised Practicum in Mental Retardation	1-12	ED	EDS	PR: CC. For students seeking certification only. S/U.	Supervised graduate practicum encompassing teaching and supervising experiences in public school classes for students with mental retardation.
ENC	6319	Scholarly Writing for Publication in English Studies	3	AS	ENG		Methods of writing and publishing scholarly articles, monographs, and textbooks in rhetoric and composition, literary scholarship, and criticism. Required for Literature majors.
ENC	6336	Studies in the History of Rhetoric	3	AS	ENG		Examines the evolving relationship between rhetoric and composition from antiquity to the present.
ENC	6421	Studies in Rhetoric and Technology	3	AS	ENG		Examines the intersection of Rhetoric and technology, with emphasis on contemporary critical issues in composition studies.
ENC	6700	Studies in Composition Theory	3	AS	ENG		Major theories and models of composing. Selected theorists include Rohman, Emig, Sommers, Flowers, and Hayes.
ENC	6720	Studies in Composition Research	3	AS	ENG		Examines and evaluates a broad range of important research studies conducted in composition and a variety of research techniques such as descriptive statistics, qualitative research design, and measurement and evaluation. Instruction in how to conduct composition research.
ENC	6740	Theory and Development of Writing	3	AS	ENG		Operating theories of and administrative procedures for implementing writing programs on

		Programs					various levels; focuses on remedial, freshman, advanced, and technical writing programs as well as writing centers.
ENG	6009	Bibliography for English Studies	3	AS	ENG		Detailed study of bibliographies of cultural milieus, genres, periods, and authors. Consideration of the profession's standards and procedures for publishing scholarly research. In addition to library research, the student will also submit one scholarly article of publishable quality.
ENG	6018	Studies in Criticism and Theory I	3	AS	ENG		This course examines selected controversies in literary criticism and scholarship from the classical period to 1800, including problems of imitation, the quarrel between Ancients and Moderns, the ethics of the imagination, and the roles of women critics.
ENG	6019	Studies in Criticism and Theory II	3	AS	ENG		This course focuses on important trends in contemporary literary criticism with the major theoretical texts that inform these trends.
ENG	6067	History of the English Language	3	AS	ENG		This course traces the evolution of the English Language from its early Germanic and Scandinavian roots to its emergence in time as tantamount to a universal language. The course uses literary works to show the stages of dramatic change.
ENG	6916	Directed Research	1-19	AS	ENG	PR: GR. M.A. Level, CC. S/U.	
ENG	6939	Graduate Seminar in English	3	AS	ENG	PR: Consent of graduate advisor.	Intensive small-group discussion as well as shared and individual guided research in one of the student's areas of concentration.
ENG	6971	Thesis: Master's	2-19	AS	ENG	PR: CC. S/U.	
ENG	7916	Directed Research	1-19	AS	ENG	PR: GR. Ph.D. level. S/U.	
ENG	7939	Doctoral Seminar	3	AS	ENG	PR: Admission to Ph.D. Program.	Intensive small-group discussion as well as shared and individual guided research in a student's area of doctoral specialty.
ENG	7980	Dissertation: Doctoral	2-19	AS	ENG	PR: Admission to Candidacy. S/U.	
ENL	6206	Studies in Old English	3	AS	ENG		A study of Old English language, prose style, poetry.
ENL	6216	Studies in Middle English	3	AS	ENG		Selected focused studies in language and in various authors and writings, 1100-1500; Chaucer, the Pearl poet,



							Everyman, ballads, drama.
ENL	6226	Studies in Sixteenth-Century British Literature	3	AS	ENG		Selected focused studies in sixteenth-century British literature; Shakespeare, Sidney, Spenser, Marlowe, and others.
ENL	6228	Studies in Seventeenth-Century British Literature	3	AS	ENG		Selected focused studies in British literature, 1600-1660; Bacon, Donne, Jonson, Herbert, Milton, and others.
ENL	6236	Studies in Restoration and Eighteenth-Century British Literature	3	AS	ENG		Selected focused studies in Restoration and Eighteenth-Century British literature: Dryden, Defoe, Pope, Swift, Fielding, Sheridan, Johnson, Boswell, and others.
ENL	6246	Studies of the English Romantic Period	3	AS	ENG		A study of pre-Romantic and Romantic prose, fiction, nonfiction, and poetry.
ENL	6256	Studies in Victorian Literature	3	AS	ENG		A study of Victorian poetry, fiction, non-fictional prose, and drama.
ENL	6276	Studies in Modern British Literature	3	AS	ENG		A study of Irish and English drama, the modern novel, poetry, criticism, and the short story.
ENV	5103	Air Pollution Control	3	EN	EGX	PR: EGN 3353.	Behavior and effects of atmospheric contaminants and the principles of making measurements in the air environment. Basic concepts of meteorology and control technology are discussed. Regulatory aspects and air pollution standards are covered.
ENV	5334	Hazardous Waste Management and Remedial Action	3	EN	EGX	PR: ENV 5345 and one of the following: ENV 6347, ENV 6519, ENV 6558; or CI, majors only	Introduction to hazardous waste management and remediation: RCRA regulatory concepts, definitions, aspects of hazardous waste management from within the plant to final disposal. History of hazardous waste cleanup leading to CERCLA and its amendments, site investigations; site control; those aspects of treatment that are unique to remedial action. (PR: undergraduate preparation in environmental engineering or an environmental science program)
ENV	5345	Solid Waste Control	3	EN	EGX	PR: CI.	Introduction to solid waste management, including its definition as an umbrella for hazardous waste:

						regulatory concepts; waste types, quantities, and characterization; collection and recycling; facility siting; disposal; thermal treatment. (PR: undergraduate preparation in environmental engineering, or graduate standing in environmental engineering or an environmental science program)
ENV	5504C	Environmental Engineering Processes	3	EN	EGX	PR: ENV 4001, ENV 4004L, ENV 4417 Theory, experimental investigation, and modeling of operations and processes in engineered and natural systems. Laboratory evaluation of unit operations and process used in water and wastewater treatment including chlorination, activated carbon adsorption, biological treatment, gas/liquid mass transfer, filtration, coagulation, flocculation, and settling. This course is restricted to majors, has no external laboratory section associated with the course, is not available on an S/U basis only, is not cross-listed with another department or college.
ENV	6347	Materials Recovery Engineering	3	EN	EGX	PR: ENV 5345 or CI, majors only Analysis of materials for purposes of processing. Unit operation and plant analysis. Thermal treatment and energy recovery. Unit operations in materials processing and separation. Applications to resource recovery, recycling, mineral, and agricultural materials. Field trip. (PR: ENV 5345; engineers only)
ENV	6438	Natural & Small Scale Treatment Systems	3	EN	EGX	PR: CI, majors only. A study of the theory, analysis and design of natural aquatic systems to treat wastewater. Emphasis is on use of treated and partially treated wastewater or residues to enhance, restore, or create wetlands, as well as land application.
ENV	6519	Advanced Physical/Chemical Processes	3	EN	EGX	PR: ENV 6666 or CI, majors only Theory and design of processes used in advanced water and wastewater treatment, including membrane processes, absorption, electro dialysis, ozonation, irradiation.
ENV	6539	Sludge Treatment & Disposal	3	EN	EGX	PR: ENV 6667 or CI, majors only Examines the physical, chemical, and biological unit operations and processes utilized in treating and disposing of sludges produced at water and wastewater treatment facilities.
ENV	6558	Industrial and	3	EN	EGX	PR: ENV 6667 Industrial waste surveys;

		Hazardous Waste Treatment				or CI, majors only	contemporary industrial wastewater treatment and control methods; characteristics of industrial wastes and their effects on receiving streams.
ENV	6614	Quantitative Environmental Risk Analysis	3	EN	EGX	PR: Graduate standing in engineering or environmental science discipline; elementary knowledge of programming.	Quantitative approach to the determination of risk. Focus is on environmental and control and protection, but techniques apply widely. Covers assessment of risk factors, failure, contaminant transport, and health effects. Includes discussion of significance, implementation, and policy. Course project involves the development of small risk analysis model.
ENV	6666	Aquatic Chemistry	3	EN	EGX	PR: CI.	An introduction to the form, structure, and chemical activities of the important processes essential to treatment of domestic and industrial wastewater.
ENV	6667	Environmental Biotechnology	3	EN	EGX	PR: CI.	Study of biochemical relations and processes in treatment of pollutants with emphasis on control of effluents for the protection of water quality. CI.
ENY	5505	Aquatic Entomology	3	AS	BIO	PR: ENY 3004 or CI.	Taxonomy, development, and ecology of aquatic insects with emphasis on local forms. Lec.-lab.
EPH	5051	Advanced Theories in Motor and Physical Disabilities	3	ED	EDS	PR: EEX 4011 or DPR.	Biological and functional aspects of motor and physical health disabilities, including dysfunctions in central nervous system covering motor, sensory, language and psychological disorders.
EPH	5321	Educational Strategies for Physically and Multihandicapped Students	3	ED	EDS	PR: EPH 5051.	Educational management of students with cerebral palsy, motor disabilities and multihandicapped conditions including rehabilitation and other community services.
EPH	6944	Supervised Practicum in Motor Disabilities	3-12	ED	EDS	PR: EEX 4011 or CI. For students seeking certification only. S/U.	Supervised graduate practicum encompassing teaching and supervising experiences in public/private educational or vocational programs for students with physical disabilities in the classroom, hygiene, and educational implications.
ESE	5342	Teaching the Adolescent Learner	3	ED	EDI		Emphasis is placed on adolescent developmental and learning needs linking them to practices in the classroom appropriate to the diverse

							secondary education population (ESOL, special education, multicultural, at-risk, etc.) in preparation for planning responsive standards-based instruction.
ESE	5344	Classroom Management for a Diverse School and Society	3	ED	EDI		This course covers practical, theoretical, philosophical and ethical aspects of school and society, the education profession, and secondary schools with particular focus on classroom management, school violence, school safety, educational law and other critical social issues.
ESE	6215	School Curriculum: Secondary	3	ED	EDC	PR: EDG 4620, EDG 6627	Open to all education graduate students. Examines the organization, curriculum, and instruction of the secondary school with special emphasis on the nature of the students served.
ESE	6906	Independent Study: Secondary Education	1-6	ED	EDI	S/U.	Independent study in which students must have a contract with an instructor.
ESE	7910	Directed Research in Secondary Education	1-19	ED	EDI	PR: CI.	Directed research under the direction of a faculty member in Secondary Education. Student must have contract with instructor.
ESI	5219	Statistical Methods For Engineering Managers	3	EN	EGS	Not open to students who have had EGN 3443.	Study of statistical methods applied to engineering management problems involving estimation and prediction under conditions of uncertainty.
ESI	5236	Reliability Engineering	3	EN	EGS	PR: ESI 5219 or equiv., majors only PR: EGN 3443 or equivalent.	Fundamental concepts of reliability. Estimation of reliability of systems and components. Measures of availability, maintainability and reliability.
ESI	5306	Operations Research For Engineering Management	3	EN	EGS	Not open to students who have had ESI 4315. ESI 5219 or equiv., majors only.	Linear programming, non-linear programming, queuing, inventory, network analysis.
ESI	5470	Manufacturing Systems Analysis	3	EN	EGS	PR: CC, majors only.	The study of systems of manufacturing entities such as machine tools, robots, and materials handlers. Emphasis is on mathematical description of integrated systems and system optimization.
ESI	5522	Computer Simulation	3	EN	EGS	PR: ESI 4521 or equiv., majors only.	Design of discrete and continuous simulation models. Model validation and verification. Statistical analysis of simulation model output.

ESI	6213	Theory of Industrial Statistics	3	EN	EGS	PR: ESI 5219 or equiv.	Study of the theory behind the statistical techniques applied to the solving of engineering problems.
ESI	6225	Quality Assurance Plans	3	EN	EGS	PR: ESI 5219 or equiv., majors only	Advanced techniques in quality control systems. Includes study of articles in current journals.
ESI	6247	Statistical Design Models	3	EN	EGS	PR: ESI 5219 or equiv., majors only	Design of experimental mathematical models. Application of advanced analysis of variance techniques as applied to industrial problems.
ESI	6291	Special Topics in Statistics	3	EN	EGS	PR: CC, majors only.	Special topics in statistics related with research in engineering.
ESI	6491	Multivariate Optimization	3	EN	EGS	PR: CC, majors only.	Classical optimization theory. Direct and indirect methods for system optimization using theoretical and numerical methods. Penalty function and vector-space methods. Response surface methods. Computer implementation.
ESI	6555C	Topics in Automation	3	EN	EGS	PR: CC, majors only.	Study of recent advances in automated systems, automation concepts, control methods, numerical control, adaptive control.
ESI	6906	Independent Study	1-19	EN	EGS	Majors only. S/U.	Independent study in which students must have a contract with an instructor.
ESI	6911	Directed Research	1-19	EN	EGS	PR: GR. ML, majors only. S/U.	
ESI	7911	Directed Research	1-19	EN	EGS	PR: GR. Ph.D. level, majors only. S/U.	
ESI	7980	Dissertation: Doctoral	2-19	EN	EGS	PR: Admission to Candidacy.	
EVR	6922	ESP Capstone Seminar	3	AS	ESP	PR: Departmental approval required.	A capstone graduate course that integrates issues related to science, policy and management in making decisions. Each semester, the program selects an environmental issue to serve as a case study. Some anticipated themes include global warming, water quantity and quality, air pollution and restoration.
EVR	6936	Seminar in Environmental Science	3	AS	ESP		A seminar course that reviews a major theme or themes in environmental science that integrates knowledge and research from various scientific disciplines.
EVR	6937	Seminar in Environmental Policy	3	AS	ESP		An explanation of the environmental policy process highlighting the scientific, technological and institutional, political, social and

							economic factors that influence the formulation, application, evaluation and changes of environmental regulations.
EVR	6971	Thesis: Master's	2-19	AS	ESP	PR: CC. S/U	
EVT	5369	Preparation and Development for Teaching	4	ED	EDV		The development of selected instructional materials, use of new educational media, performance evaluation instruments, and counseling techniques.
EVT	5664	School Community Development	3	ED	EDV		Identifying, assessing, and analyzing, individual, institutional and community needs for the purpose of cooperative program planning, community involvement, and public support.
EVT	6264	Administration Of Local Programs: Vocational	3	ED	EDV		Organization, personnel selection and assignment, and establishment of policies and procedures for local vocational programs within federal, state and local requirements.
EVT	6265	Supervision Of Local Programs: Vocational Education	3	ED	EDV		A study of the factors involved in the supervision of instruction including plans for teacher education, improvement of instruction, coordination of activities, and personnel relations.
EVT	6500	Individualized Instruction	3	ED	EDV		Emphasis given to individualized instruction to include the special needs student, the slow learner, and the more capable student.
EVT	6504	Placement of Severely Handicapped People	3	ED	EDV		A study of the purpose, methods, processes, and procedures used to plan, implement, and operate a Vocational Rehabilitation Cooperative School Counseling Program.
EVT	6661	Current Trends	3	ED	EDV		Historical information, issues, current trends, new dimensions, and problems in adult and vocational education and related areas.
EVT	6769	Methods, Procedures, and Processes of Vocational Evaluation	3	ED	EDV		A study of the purposes, methods, processes and procedures used to plan, implement, and operate a vocational evaluation program.
EVT	6926	Staff Development	1-5	ED	EDV		Implementation of new procedures addressed to discrete developmental needs of the staff as identified by an educational agency.
EVT	6930	Seminar	3	ED	EDV		Focuses on special topics, interaction with visiting scholars, recent

							research and major initiatives within the profession.
EVT	6948	Practicum: Industrial-Technical Education	3-6	ED	EDV	S/U.	A problem-centered field study in the local community, school, government, office, social agency, business, or industry.
EVT	6971	Thesis: Masters/Educational Specialist	2-19	ED	EDV	S/U. Ma/Des Candidates only.	
EVT	7066	Foundations And Philosophy Of Vocational, Technical And Adult Education	3	ED	EDV	PR: Preliminary admission to the advanced graduate program and/or CI.	Historical development and contemporary philosophies, cultural bases and practices of Vocational, Technical, and Adult Education.
EVT	7155	Career Development in Vocational, Technical, and Adult education	3	ED	EDV	PR: Preliminary admission to the advanced Graduate Program and CI.	Development of a career model designed to facilitate career development of students and articulate vocational education and career guidance.
EVT	7168	Instructional Development For Vocational, Technical, And Adult Education	4	ED	EDV		The systematic approach to vocational, technical, and adult education curriculum improvement and instructional development. Students will apply an instructional systems approach to the development of practical solutions to critical teaching and learning problems.
EVT	7267	Vocational And Adult Education Program Planning And Implementation	3	ED	EDV		Knowledge and skills necessary to participate in the initial determination, planning, organization, and implementation of new or expanded adult, vocational and technical education institutions or programs.
EVT	7761	Research Seminar In Vocational, Technical, And Adult Education	3	ED	EDV	PR: Completion of program requirements in measurement and research or DPR. Available to majors only.	Examination and critical evaluation of research in a particular specialization area of Vocational, Technical, or Adult Education. Preparation of an individual research prospectus.
EVT	7910	Directed Research in Vocational Education	1-19	ED	EDV	PR: CI.	This course permits a doctoral student to conduct advanced research and to pursue specific areas of interest with a faculty member as supervisor. A contract is required with the faculty member.
EVT	7980	Dissertation	2-30	ED	EDV	PR: Admitted	

						to Candidacy.	
EXP	6307	Motivation and Emotion	3	AS	PSY	PR: CI.	A detailed examination of human motivation and emotion from both the physiological and psychological viewpoints.
EXP	6526	Human Memory	3	AS	PSY	PR: Admission to graduate program in Psychology or CI.	Review of methods, findings, and theoretical interpretations associated with the acquisition and retention of information.
EXP	6608	Cognitive Psychology	3	AS	PSY	PR: Admission to graduate program in Psychology or CI.	A survey of the research and theory dealing with higher memory, language, and the higher mental processes. Core requirement for all graduate students in Psychology.
EXP	6643	Psychology of Language	3	AS	PSY	PR: GS.	Historical survey of relations between psychology and linguistics leading to the emergence of psycholinguistics as a field of study. Current status of theory and research in the field.
EXP	6930	Topics in Experimental Psychology	3	AS	PSY	PR: CI.	Electrophysiological methods and psychophysiology.
EXP	7099	Graduate Seminar in Experimental Psychology	1-3	AS	PSY	PR: CI.	Seminars on topics, such as learning, perception, memory, cognitive processes, and quantitative methods.
FIL	5205C	Cinematography	4	VP	ART	PR: PGY 4520C.	Advanced studio work using black and white, color and sound as technical and aesthetic factors in visual, artistic productions.
FIL	6206C	Cinematography	4	VP	ART	PR: CI. Registration by contract only.	
FIN	6246	Advanced Money and Capital Markets	3	BA	FIN	PR: ECO 6204	The study of the role of financial markets, instruments, and institutions in the economy. It includes the study of flow of funds, interest rate determination, and the pricing of capital assets.
FIN	6326	Bank Management	3	BA	FIN	PR: FIN 6406	Theory, policy and practice of commercial bank management with emphasis on strategic issues and decision making in an expanding financial services environment.
FIN	6406	Financial Management	3	BA	MBA	PR: ACG 6025 and ECO 6114	The study of processes, decision structures, and institutional arrangements concerned with the acquisition and utilization of funds by a firm. The course includes the management of the asset and liability structures of the firm under both certainty and uncertainty.



FIN	6416	Advanced Financial Management	3	BA	FIN	PR: FIN 6406 or equivalent.	A synthesis of the theory and the practice of corporate finance. Particular attention is given to the role of the agency problems and agency cost in explaining why the observed consequences of financial decisions often deviate from those predicted by traditional theory.
FIN	6418	Working Capital Management	3	BA	FIN	PR: FIN 6406	This course is designed to provide the student with an understanding of short-term financial management which includes decision making concerning sources and uses of cash flows to support short-term operations.
FIN	6445	Financial Policy	3	BA	FIN	PR: FIN 6406 or CI	A case study approach to financial policy and strategy with emphasis on the firm's major financial decisions.
FIN	6515	Investments	3	BA	FIN	PR: FIN 6406, CC	An examination of the risks and returns of alternative investment media within the framework of various valuation models. Special attention is given to the investment process and the criteria for investment decisions.
FIN	6605	International Financial Management	3	BA	FIN	PR: FIN 6406 or equiv., CC	The course provides a foundation for the understanding of financial management of international business. The subjects covered relate to: international finance, multinational business finance, and financial market theory.
FIN	6804	Theory of Finance	3	BA	FIN	PR: FIN 6406 or CI	A systematic and rigorous course in the theory of finance. Topics will include the theory of choice and the allocation of financial resources, the theory of optimal investment decisions and the theory of risk and uncertainty in financial decisions. It will also cover the theoretical concepts underlying financing decisions and the cost of capital.
FIN	6906	Independent Study	Var.	BA	FIN	PR: CC. S/U.	Students must have a contract with an instructor.
FIN	6915	Directed Research	Var.	BA	FIN	PR: GR, ML, CC. S/U.	
FIN	6934	Selected Topics in Finance	1-4	BA	FIN	PR: GS and CI.	Depending upon the scope and magnitude of the work required. Includes special lecture series.
FIN	7808	Advanced Micro Finance	3	BA	FIN	PR: FIN 6406, FIN 6804, ECO 6424 or Departmental approval.	The study of advanced theoretical and empirical works in finance primarily relating to financial decisions at the level of the firm.

FIN	7817	Financial Markets	3	BA	FIN	PR: FIN 6246, FIN 6515, or Departmental approval.	The study of advanced theoretical and empirical works in finance primarily relating to financial institutions and markets.
FIN	7930	Selected Topics in Finance	3	BA	FIN	PR: FIN 7808, QMB 7566, or Departmental approval.	A study of selected topics of current issues on the frontiers of financial thought.
FIN	7935	Finance Research Seminar	3	BA	FIN	PR: One semester of FIN 7930.	Theoretical and/or empirical research on finance related problems. This course will require research papers to be written and presented. It is designed to aid the student in developing a thesis and the research methodology necessary for the doctoral dissertation.
FIN	7980	Dissertation	2-19	BA	FIN	PR: Admission to Candidacy.	
FLE	5145	Language Principles, Acquisition and Teaching	3	ED	EDX	PR: FLE 5345	Restricted to Education majors and not repeatable for credit. Overview of applied SLA theory and components of language. Methods & techniques of comprehensible instruction and the development of oral proficiency and literacy skills for LEP children.
FLE	5291	Technology in the Foreign Language Classroom	3	ED	EDX	PR: FLE 5313 and FLE 5331.	This course is intended to prepare foreign/second language teachers to provide pedagogically sound and technologically enhanced instruction for foreign language and second language students in the K-16 realm. Basic computer literacy is recommended.
FLE	5313	Methods of Teaching Foreign Language and ESOL in the Elementary School	3	ED	EDX		This course is designed to provide training in the theory and methods of teaching foreign languages and ESOL in the elementary school (FLES) to both pre- and in-service teachers.
FLE	5331	Methods of Teaching Foreign Language and ESOL in the Secondary School	3	ED	EDX	PR: FLE 5313.	This course provides for the development of knowledge and skills necessary to prepare students to assume roles as foreign language (FL) and ESOL teachers at the secondary school level. It represents the second part of a sequence of methods courses.
FLE	5345	Teaching English Language Learners K-	3	ED	EDX		This course is restricted to Education majors and is not repeatable for credit. It is designed to prepare preprofessional teachers to provide

		12					linguistically and culturally appropriate instruction, assessment, and learning opportunities for LEP students.
FLE	5366	ESOL Education in Content Areas	3	ED	EDX		Enables participants to meet the special linguistic & cultural educational needs of limited English proficient (LEP) students in content area classes. Provides a theoretical & practical foundation for ESOL competencies in courses include ESOL infusion.
FLE	5430	ESOL I - Theory and Practice of Teaching English Language Learners	3	ED	EDX		This course is for undergraduate degree holding, preprofessional (preservice) teachers to learn about appropriate instruction, assessment and learning opportunities for Limited English Proficient (LEP) students in the content areas.
FLE	5431	ESOL II- Secondary Language & Literacy Acquisition in Children & Adolescents	3	ED	EDX	PR: FLE 5430.	This course is designed to provide students with a critical understanding of instructional delivery which caters for the linguistic and literacy needs of minority / heritage communities.
FLE	5432	ESOL III- Language Principles, Acquisition & Assessment for English Language Learners	3	ED	EDX	PR: FLE 5431.	This course provides an overview of the components of language, linking them to methods and techniques of providing comprehensible instruction to LEP students.
FLE	5895	Dual Language Education	3	ED	EDX		This course is for teachers who are interested in bilingual education. The aim is to deconstruct the philosophical, theoretical, political, social and educational underpinning of instruction (K-16) when it is delivered through two languages.
FLE	5940	ESOL Practicum	1-3	ED	EDX	PR: FLE 5345 and FLE 5145. Must be taken in the semester prior to final internship.	This course is restricted to Education majors and will not be repeatable for credit. A structured field experience with Limited English Proficient students.
FLE	5946	Practicum in Foreign Language/ESOL Teaching	3	ED	EDX	PR: FLE 5313. CR: FLE 5331.	This course prepares students for their internship by providing a structured pre-internship experience while meeting regularly in a university class. Opportunity to see

							teachers in action.
FLE	6665	Current Trends in Secondary Foreign Language Education	3	ED	EDX	PR: FLE 4314/FLE 4333 or teaching experience. Fluency in the target language and in English.	Designed for experienced classroom teachers, theoretical and practical implications of recent programs and methodology. Instructional practices in the teaching of foreign languages. Individual projects.
FLE	6829	Graduate Instruction Methods	1-4	ED	EDX	PR: CC. S/U only.	Special course to be used primarily for the training of graduate teaching assistants.
FLE	6906	Independent Study in Foreign Language Education	1-6	ED	EDX		Independent Study in which students must have a contract with an instructor. Rpt. S/U
FLE	6932	Selected Topics in Second Language Acquisition	3	ED	EDX	PR: Approval of graduate advisor.	This course would provide a flexible format to offer specialized courses in second language acquisition not available in the regular curriculum. This would allow faculty to address issues at the frontiers of the field in second language acquisition. Repeat as topics vary
FLE	6947	Internship	6	ED	EDX	PR: CI.	Provides students with an extended school-based experience, under the guidance of a cooperating teacher and university supervisor, for a full semester at or near the end of their graduate program. Open to graduate degree candidates only. S/U (PR: CI)
FOL	5906	Directed Study	1-3	AS	WLE	PR: FOL 4101 or equivalent.	
FOW	6805	Bibliography	1	AS	WLE	S/U.	Research methods. Includes familiarity with major journals and bibliographies, with a practicum.
FRE	5425	Advanced Written Expression	3	AS	WLE	PR: FRE 4421, or equivalent.	Course is designed to give advanced training in free composition in French.
FRE	5566	Contemporary France	3	AS	WLE	PR: FRE 3500 or equivalent or graduate standing.	An advanced course in French civilization and culture including a study of recent social, artistic and political trends as well as various current intellectual movements. Text and discussions in French.
FRE	6910	Directed Research	1-19	AS	WLE	PR: GR. ML, CC. S/U. Departmental approval required.	
FRE	6971	Thesis: Master's	2-19	AS	WLE	PR: CC. S/U. Departmental approval required.	

FRW	5222	Classical Prose and Poetry	3	AS	WLE	PR: FRW 4101.	Emphasis on Malherbe, Descartes, Pascal, La Fontaine, and Boileau.
FRW	5226	20th Century Poetry and Theatre	3	AS	WLE	PR: FRW 4101.	Valery, Claudel, Anouilh, Motherland, Sartre, Ionesco.
FRW	5286	The 20th Century Novel	3	AS	WLE	PR: FRW 4100.	Proust, Gide, Mauriac, Malraux, Camus, Robbe-Grillet.
FRW	5314	Classical Drama	3	AS	WLE	PR: FRW 4101.	Corneille, Moliere, and Racine.
FRW	5415	Literature of the Middle Ages	3	AS	WLE	PR: FRW 4100 or FRW 4101.	Major genres, including epics, Arthurian romances, drama and lyric poetry. Reading in modern French translation.
FRW	5425	Literature of the Renaissance	3	AS	WLE	PR: FRW 4100 or FRW 4101.	A study of Renaissance French humanism including Rabelais, Montaigne, and Pleiade poets.
FRW	5445	18th Century Literature	3	AS	WLE	PR: FRW 4100.	The classical tradition and the new currents of thought in the Age of Enlightenment.
FRW	5528	Pre-Romanticism	3	AS	WLE	PR: FRW 4100 or FRW 4101.	The precursors of romanticism. Emphasis on Rousseau, Bernardin de St. Pierre, Chénier, and Chateaubriand.
FRW	5535	Romanticism and Early Realism	3	AS	WLE	PR: FRW 4101.	A study of the romantic and early realistic movements with emphasis on Lamartine, Vigny, Musset, Hugo, and Balzac.
FRW	5556	Naturalism and Realism	3	AS	WLE	PR: FRW 4100 or FRW 4101.	A detailed study of realism and naturalism with emphasis on Flaubert, Zola, les Goncourt, Maupassant, and Daudet.
FRW	5745	French Literature of Quebec	3	AS	WLE	PR: A survey of Francophone literature and cultures is recommended.	Overview of the main representative literary works in French from Quebec in all genres (poetry, drama, novel, short story) as well as a survey of the main traits of Quebec history & culture. Open to non-majors. Not repeatable for credit. Taught in French.
FRW	5755	African and Caribbean Literature	3	AS	WLE	PR: A survey of French literature.	An overview of the main representative literary works in French from North and SubSahara Africa as well as the Caribbean. Open to non-majors and not repeatable for credit. Course taught in French.
FRW	5829	An Introduction to Modern French Literary Criticism	3	AS	WLE		A graduate elective 3 credit course entirely taught in French, which offers a survey of the main trends and methods in 20th Century literary criticism, the French having been at the avant-garde of the field.

FRW	5934	Selected Topics	1-3	AS	WLE	PR: Upper-level or graduate standing.	Study of an author, movement or theme.
FRW	6315	Seminar on Classical Drama	3	AS	WLE		An in-depth study of the works of one or more of the following dramatists: Corneille, Racine, or Moliere.
FRW	6405	Old French	3	AS	WLE		An introduction to the Old French language and literature. Readings from representative texts.
FRW	6938	Graduate Seminar	3	AS	WLE		Topics vary.
GEA	6195	Seminar in Advanced Regional Geography	3	AS	GPY	PR: GS in Geography.	Analytic study of a selected region of the world.
GEA	6215	Seminar in North American Geography	3	AS	GPY	PR: GS in Geography or CI.	Advanced survey of historical and contemporary issues in North American geography including: west and non-west exchange, revolutionary transformation, nation-building, regional disparities, and continental relations among states.
GEA	6252	Seminar in the Geography of the American South	3	AS	GPY	PR: GS in Geography or CI.	Intensive examination of regional geographic studies and their application to the American South, including concepts related to the physical and cultural landscapes, economic growth and change, urbanization, and cultural diffusion processes.
GEA	6405	Seminar in Latin American and Caribbean Geography	3	AS	GPY	PR: GS in Geography or CI.	Readings and discussions organized around an examination of regional and systematic analysis of selected topics of Latin American and Caribbean geography. Emphasis is on combining physical and cultural analysis of this region.
GEA	6504	Seminar in European Geography	3	AS	GPY	PR: GS in Geography or CI.	Readings and discussions organized around an examination of regional and systematic analysis of selected topics of European Geography. Emphasis is on combining physical and cultural analysis of this region.
GEA	6745	Seminar in the Geography of South Asia	3	AS	GPY	PR: GS in Geography or CI.	Analysis of the construction of regional identity in South Asia. Includes major historical processes such as cultural and social formation, communalism, the role of women, or environmental concerns.
GEB	6115	New Venture Formation	3	BA	MBA	PR: ACG 6025, MAR 6815, or CI.	An introductory entrepreneurship course. Students learn to develop venture ideas, evaluate venture

							opportunities and understand financial, marketing, and managerial needs of a venture.
GEB	6116	Business Plan Development	3	BA	MBA	PR: ACG 6025, MAR 6815, or CI.	Course is designed to enable students to prepare and present a business/venture plan. Students can prepare a plan for their own venture or a \
GEB	6117	Consulting Field Project	3	BA	MBA	PR: ACG 6025, MAR 6815 or CI.	Student will be teamed with an entrepreneurial organization and will learn to prepare a business plan, feasibility study, strategic marketing plan or some other work agreed upon by client, student and instructor. Third course in entrepreneurship Track.
GEB	6445	Social, Ethical, Legal Systems	2	BA	MBA	PR: GS.	A study of the influence of social, cultural, legal, and political environment of institutional behavior, including the changing nature of the business system, the public policy process, corporate power, legitimacy and managerial autonomy, and organizational reactions to environmental forces.
GEB	6895	Integrated Business Applications I	3	BA	MBA	PR: CC.	Part I of advanced study of business decision-making processes under conditions of risk and uncertainty, including integrating analysis and policy formation at the general management level.
GEB	6896	Integrated Business Applications II	3	BA	MBA	PR: GEB 6895.	Part II of advanced study of business decision-making processes under conditions of risk and uncertainty, including integrating analysis and policy formation at the general management level.
GEB	6930	Selected Topics	3	BA	MBA	PR: GS.	The content and organization of this course will vary depending on student demand and faculty interest.
GEB	6949	Consulting Field Project	3	BA	GBA	PR: ACG 6025; MAR 6815 or CI.	Student will be teamed with an entrepreneurial organization and will learn to prepare a business plan, feasibility study, strategic marketing plan or some other work agreed upon by client, student and instructor. Third course in Entrepreneurship Track.
GEB	6971	Thesis: Master's	1-19	BA	MBA		
GEO	5134C	Advanced Remote Sensing	3	AS	GPY	PR: GS in Geography or CI, GEO 4124C.	Study of digital image processing techniques. Topics include filtering techniques, geometric and radiometric normalization, and

							classification algorithms with emphasis on developing.
GEO	5157	Advanced Geographic Information Systems	3	AS	GPY	PR: GS in Geography or CI.	Spatial problem solving utilizing GIS mapping and statistical methods. The course is designed to give students hands-on experience in using computerized techniques for geographic analysis.
GEO	5177	GIS for Non-Majors	3	AS	GPY		An introduction to the concepts underlying digital thematic mapping and geographical information systems (GIS) for non-geography majors and non-geography graduate students.
GEO	5215	Advances in Geomorphology	3	AS	GPY	PR: GEO 4372 or CI.	Advanced examination of geomorphic processes and landforms with an emphasis on Florida.
GEO	5263	Advances in Soils	3	AS	GPY	PR: GEO 4372 or CI.	Examination of how earth systems influence soil formation and variation. Details analysis of soils climosequences, biosequences, toposequences, lithosequences, chronosequences, and anthrosequences.
GEO	5288	Hydrological Systems	3	AS	GPY	PR: GEO 4372 or CI.	A systematic approach to hydrology using the drainage basin as the fundamental unit of analysis is used to explore form and process, while modeling streamflows.
GEO	5347	Advances in Natural Hazards	3	AS	GPY	PR: GEO 4372 or CI.	Analysis of natural hazards integrating principles of physical, social, economic, political, and technical forces that affect extreme geophysical events.
GEO	5475	Advanced Political Geography	3	AS	GPY	PR: GEO 4470 or CI.	Advanced investigation of geopolitical issues including: the human construction of territoriality, ethnic relations, the making of nations and states, the geopolitics of localities, and environmental policy making.
GEO	5545	Advanced Economic Geography	3	AS	GPY	PR: GEO 4502 or CI.	An intensive examination of selected issues in economic geography including: regional development and decline; spatial labor market trends; business locational analysis; and comparative economic policy.
GEO	5605	Contemporary Urban Issues	3	AS	GPY	PR: GEO 3602; GEO 4604; or CI.	Advanced survey of urban issues such as: industrial restructuring and urban development, inner-city ethnic relations, the geopolitics of urban governance, and urban culture.
GEO	5704	Advanced Transportation	3	AS	GPY	PR: GEO 4114; GEO 4700; or	Review of transportation issues and analysis, focusing on modeling and



		n Geography				CI.	planning for flows of goods and people. Provides a hands-on approach to use of GIS for such analysis.
GEO	6058	Geographic Literature and History	3	AS	GPY	PR: Senior or graduate standing in geography, or CI.	The origins and development of the discipline as revealed through an examination of the principal written sources. Special attention paid to leading personalities and modern periodicals.
GEO	6115	Advanced Field Techniques	3	AS	GPY	PR: GS in Geography or CI.	Field examination of one region. Students will complete field work in human and physical geography in a selected area.
GEO	6116	Perspectives on Environmental Thought	3	AS	GPY	PR: GEO 6058 or CI.	Analysis of the evolution of the major schools of environmental thought from antiquity to present-day green analysis, deep ecology, ecofeminism, and post-modern ecology.
GEO	6119	Seminar in Advanced Techniques and Methodology	3	AS	GPY	PR: GS in Geography.	Analytic study of a technique or investigation into an aspect of methodology.
GEO	6137	Readings in Remote Sensing	3	AS	GPY	PR: GEO 5134C.	Analytic study of selected topics in remote sensing. Discussions around topics include data acquisition, sensor systems, multispectral and radar image analysis, change detection, and integration of remote sensing with GIS.
GEO	6146	Readings in GIS	3	AS	GPY	PR: GEO 5157 or CI.	Analytic study of selected topics in GIS. The course will familiarize students with case studies involving GIS applications in environmental studies, coastal modeling, and urban planning.
GEO	6166	Advanced Statistical Methods	3	AS	GPY	PR: GS in Geography or CI, GEO 3164C.	Examination of advanced statistical approaches used by geographers. Descriptive, spatial and inferential statistics and multi-variate analysis are highlighted.
GEO	6178	Environmental Applications of Geographic Information Systems	3	AS	GPY	PR: GEO 5157	Examination of GIS applications in agriculture, forestry, wildlife management, biodiversity conservation, environmental assessment, water resources, and pollution modeling. Use of advanced GIS techniques relevant to the specific applications.
GEO	6209C	Seminar in Advanced Physical	3	AS	GPY	PR: GS in Geography or CI	Analytic study of one or more topics from physical geography. Selected problems may include hydrology,

		Geography					physiography, meteorology, climatology, soils, vegetation, etc.
GEO	6217	Historical Geomorphology	3	AS	GPY	PR: GS in Geography or CI.	An in-depth examination of the use of historical evidence in geomorphic studies. The objectives, methods and results of studies in which historical sources have been applied to geomorphic problems are reviewed.
GEO	6255	Weather, Climate and Society	3	AS	GPY		This course explores the societal impacts of weather as well as the human impact on weather and climate. Students lead and participate in discussions on topics such as weather hazards, extreme temperature and human physiology, historical civilization and extreme climate, economic value of forecasts, weather modification, urbanization and other land use change, anthropogenic aerosols, past and future climates.
GEO	6286	Advances in Water Resources	3	AS	GPY	PR: GS in Geography or CI.	Water resources policies are viewed from theoretical and practical perspectives focusing on management strategies in different physical and human environments.
GEO	6345	Technological Hazards and Environmental Justice	3	AS	GPY		Examination of theories, debates, methods, and models that improve our understanding of human vulnerability to technological hazards and risks, with emphasis on issues of fairness and equity in the distribution and impact of hazards.
GEO	6428	Seminar in Advanced Human Geography	3	AS	GPY	PR: GS in Geography, CI	Analytic study of a problem selected from aspects of the human landscape (urban, political, economic, population, settlement).
GEO	6566	Site Feasibility Analysis	3	AS	GPY	PR: GS in Geography or CI.	A project-oriented geographic examination of urban real estate development and site feasibility practices. Hands-on course including concepts of real estate development patterns, urban growth, and site specific factors related to feasibility of specific developments.
GEO	6908	Independent Study	1-19	AS	GPY	S/U.	Independent study in which students must have a contract with an instructor.
GEO	6918	Directed Research	1-19	AS	GPY	PR: GR. ML, CC. S/U.	
GEO	6944	Internship in Geography	3	AS	GPY	PR: GS in Geography, CC. S/U.	The internship in Geography is designed to provide students the opportunity to work in an appropriate governmental agency to

							gain practical field experience.
GEO	6947	Directed Teaching	1-6	AS	GPY	PR: GS, CI.	
GEO	6971	Thesis: Master's	2-19	AS	GPY	PR: CC. S/U.	
GER	5605	Goethe	3	AS	WLE		Selected novels, poems: Werther, Wahlverwandtschaften, Wilhelm, Meister, Westostlicher, Divan.
GER	5845	History of the German Language	3	AS	WLE		A diachronic approach to the study of the German language. The course traces the history and development of the language from Indo-European through Germanic, Old, Middle, and New High German.
GER	6060	German for Reading	3	AS	WLE		Designed to provide a reading ability in German that will support research in other disciplines.
GER	6908	Independent Study	1-19	AS	WLE	PR: CC. S/U.	Independent study in which student must have a contract with an instructor.
GEW	5475	20th Century Literature to 1945	3	AS	WLE		A study of major styles in German literature from 1900 to WW II with emphasis on Hauptmann, Schnitzler, Hofmannsthal, George Rilke, Kaiser, Heym, Trakl, Thomas Mann, Hesse, Kafka, Benn, Brecht.
GEW	5489	20th Century Literature: 1945 to Present	3	AS	WLE		Study of major trends in German literature since WW II with emphasis on Borchert, Frisch, Durrenmatt, Boll, Uwe, Johnson, Grass, Aichinger, Eich Enzensberger, Bachmann.
GEW	5515	The Enlightenment	3	AS	WLE		Selected dramas and critical writings by Lessing, Wieland, Kant.
GEW	5545	Romanticism	3	AS	WLE		Jenaer circle and Heidelberger circle; the late romantic period, the writers between Classicism and Romanticism.
GEW	5555	Realism	3	AS	WLE		Selected works by Grillparzer, Grabbe, Buchner, Heibel, Heine, Immerman, Stifter, Keller, Meyer, Storm, Raabe, Hulshoff, and Morike.
GEW	5606	Faust	3	AS	WLE		Sources, form, content, and literary significance of Urfaust and Faust.
GEW	5615	Schiller	3	AS	WLE		Selected dramas, philosophical, and aesthetic writings.
GEW	5934	Selected Topics	1-3	AS	WLE	PR: Upper-level or graduate standing.	Study of an author, movement or theme.
GEY	5620	Sociological Aspects Of Aging	3	AS	GEY		Examines, within a sociological frame of reference, the interrelationships between the aged

							(or aging) and the structure and function of the social system and its major institutionalized subsystems.
GEY	5630	Economics and Aging	3	AS	GEY		Examines basic economic systems as they impact the aged. Emphasis is on applied aspects of economic planning, pensions, insurance, social security and other support systems.
GEY	5642	Perspectives on Death and Dying	3	AS	GEY		Study of the various psychological, medical, legal, and religious problems caused by dying and death, and how individuals and groups have responded in the past and present.
GEY	6325	Social Policy and Planning for Gerontologists	3	AS	GEY		This course is designed to provide an empirical and analytical base for understanding the major issues and trends involved in existing and proposed programs and services in the field of aging at local, state, and federal levels.
GEY	6340	Housing for the Elderly	3	AS	GEY		Major issues and aspects of conventional and planned housing for the elderly. Several field trips will be taken.
GEY	6450	Gerontological Research and Planning	3	AS	GEY	PR: CI.	Social research and planning methods in the field of gerontology. Directed to the consumers of research findings-person whose positions call for the ability to interpret, evaluate, and apply the findings produced by others.
GEY	6500	Seminar in Principles of Administration	3	AS	GEY		This course deals with management problems and practices in the administration of institutions in the field of aging. Consideration is given to federal and state legislation, the management of people, and fiscal management.
GEY	6600	Human Development and Aging	3	AS	GEY		Normal aging, change and basic psychological processes will be examined from a human development perspective. Emphasis will be on middle aged and older adults in relation to Life Cycle Changes and Counseling Approaches.
GEY	6613	Physical Change and Aging	3	AS	GEY		Common, normal and pathological physical changes associated with aging will be discussed as they affect behavior. Aspects of physical and mental illness and pharmacology with gerontological relevance will be surveyed.
GEY	6614	Psychopathol	3	AS	GEY		Examination of the basic principles

		ogy and Aging I					of abnormal psychopathology and basic concepts of psychopathology. Major theories about behavior and behavior change will be explored. Common gerontological mental health issues will be studied with particular focus upon adjustment to change and loss.
GEY	6615	Psychopathology and Aging II	3	AS	GEY		A continuation of Psychopathology and Aging I. It familiarizes the student with the psychopathology of aging. Major topics in the DSM-IV will be covered.
GEY	6616	Mental Health Assessment of Older Adults	3	AS	GEY		Designed to provide the mental health counselor with a basic understanding of evaluation principles and the application of assessment approaches to older adults.
GEY	6617	Gerontological Counseling Theories and Practice	3	AS	GEY		Examination of mental health treatment modalities and approaches to counseling with older adults. Personality theories and their relationship to counseling will be included emphasizing the development of a treatment plan through the integration of assessment data.
GEY	6618	Gerontological Group and Family Counseling	3	AS	GEY		An advanced course directed at clinical practice with older adults. Appropriate techniques and skills will be integrated with models of psychotherapy, counseling, and personality development. Primary focus will be on intervention with groups, families, and couples.
GEY	6646	Gerontological Issues and Concepts	3	AS	GEY		This course presents the concepts, theories, and issues relevant to our aging society. Emphasis will be placed on generalized knowledge of the aging process, and implications for the individual, family, government, and society in general. Students will engage in spirited debate and gain important background that will prepare them for their other graduate work in Gerontology. Social Work, and related fields.
GEY	6647	Ethical and Legal Issues in Aging	3	AS	GEY		A consideration of major ethical and legal issues in aging and their implications for policies, priorities, and services.
GEY	6901	Directed	1-6	AS	GEY	PR: CI. S/U.	A reading program of selected topics

		Reading					under the supervision of a faculty member.
GEY	6910	Directed Research	1-6	AS	GEY	PR: CI. S/U.	
GEY	6934	Special Topics In Gerontology	3	AS	GEY		Courses on topics such as preretirement, mental health, human services organization, and senior center administration.
GEY	6940	Field Placement	1-6	AS	GEY	PR: CI. S/U.	An internship in an agency or organization engaged in planning or administering programs for older people or in providing direct services for older people.
GEY	6941	Field Placement in Mental Health	1-6	AS	GEY	PR: CI. S/U.	A highly structured supervised counseling experience providing mental health services to older adults.
GEY	6971	Thesis: Master's	2-19	AS	GEY	S/U.	
GEY	7902	Directed Individual Study in Aging Studies	1-9	AS	GEY		An advanced reading program of selected topics related to interdisciplinary avenues of inquiry under the supervision of an aging studies faculty member. A written contract describing the requirements must be signed by the student and faculty member prior to registration.
GEY	7911	Directed Research in Aging Studies	1-3	AS	GEY		Research on selected topics in aging studies under the direct supervision of a member of the graduate faculty in aging studies.
GEY	7936	Proseminar in Aging Studies	1-2	AS	GEY		Reading and discussion of current topics, books, articles, and papers in aging studies. Examination of theory and research issues in the field of gerontology. Students develop their dissertation research topics, preliminary review of literature, and present their dissertation research proposals.
GEY	7980	Dissertation and Doctoral	2-12	AS	GEY	PR: Completion of Qualifying Examination, Admission to Candidacy.	
GLY	5752	Geological Field Excursion	2	AS	GLY	PR: Senior standing in geology or CI.	Lectures and 2-3 week field excursion to study regional geology, structure and lithogenesis of geologically complex terrain. Mapping and outcrop description techniques are emphasized. Destination of trip varies. Trip requires camping and vigorous physical activity. Lec.-field trip.

GLY	5865	Statistical Models in Geology	3	AS	GLY	PR: STA 2023 or equivalent or CI.	Application of statistical methods to geological problems. Emphasis on sampling plans, nature of geologic distributions, and application of analyses of variance to solving geological problems. Lec.
GLY	5932	Selected Topics in Geology	1-4	AS	GLY	PR: Senior or advanced junior standing.	Each topic is a course under the direction of a faculty member. All areas of geology included.
GLY	6071	Greenhouse-Icehouse Earth	3	AS	GLY		This course is designed to investigate the differences between green- and icehouse climates through an examination of both the data employed to reconstruct past climates and the impact these changes have had on the Earth System.
GLY	6156	Geology of North America	2	AS	GLY	PR: GS or CI.	Regional structure, stratigraphy, and history of North America.
GLY	6246	General Geochemistry	3	AS	GLY	PR: One year college Chemistry, GLY 3200 or CI.	Age, formation and evolution of the earth with application of basic chemical concepts and processes that govern the distribution of elements in geologic environments.
GLY	6248	Sedimentary Geochemistry	3	AS	GLY	PR: GLY 6246 or CI.	The geochemistry of fluid-rock interaction with emphasis on the diagenesis of sedimentary material.
GLY	6285C	Analytical Techniques in Geology	3	AS	GLY	PR: One year college Chemistry, GLY 4310 or CI.	Use and application of analytical methods including X-ray, atomic absorption, ICP/MS, TEM, SEM, and other geochemical techniques. Interpretation and statistical analysis of the data acquired. Lec/Lab.
GLY	6315C	Topics in Igneous and Metamorphic Petrology	3	AS	GLY	PR: GLY 3311C or equivalent, or CI.	Detailed study of selected igneous and/or metamorphic rock associations. The targeted site(s) will vary each semester. Modern methods of geochemical and mineralogical analysis (microprobe, ICP/DCP, XRD) will be employed. Lec/Lab.
GLY	6345	Sedimentary Petrography	3	AS	GLY	PR: GS or CI.	Classification, petrographic description and interpretation of sedimentary rocks including depositional environment and diagnoses. Lec./Lab.
GLY	6424	Global Tectonics	2	AS	GLY	PR: GS or CI	Development of the global tectonic hypothesis, global tectonic theory, and application of the theory in selected regions of the earth.
GLY	6475C	Principles of Applied Geophysics	4	AS	GLY	PR: One year of Physics or CI.	Elementary treatment of gravimetric, magnetic, electric, and seismic geophysical techniques as applied to

						resource exploration, site investigation, and mineral deposits. Lec/Lab. Field trips.
GLY	6526	Advanced Stratigraphy	3	AS	GLY	PR: OCG 6656 or equiv. or CI. Theory and practice of biostratigraphy of major microfossil groups. Emphasis on selected techniques of correlation. Detailed consideration of stratigraphic zonations, problems and limitations. Readings of current literature.
GLY	6575C	Coastal Sedimentation	3	AS	GLY	PR: GLY 4555 or equiv. or CI. Study of modern coastal sedimentary environments with emphasis on beaches, inlets, deltas, estuaries, and marshes. Analysis of sedimentary process and resulting morphology of sediment bodies. Lec/Lab. Field trips.
GLY	6655	Topics in Paleobiology	3	AS	GLY	PR: GLY 3610 equiv., PCB 4674 or equiv. or CI. Theory and practice of modern paleobiology including, consideration of diversity and extinction patterns, documentation and causes of trends, patterns, and causes of speciation, functional analysis and adaptation, tempo and mode in evolution, and the ecological context of evolutionary change.
GLY	6739	Selected Topics in Geology	1-4	AS	GLY	PR: CI. Each topic is a course directed by a faculty member. All areas of geology are included.
GLY	6827C	Advanced Hydrogeology	4	AS	GLY	PR: GLY 4822, one year college calculus or CI. Flow systems, analytical and numerical solutions to ground-water flow problems. Emphasis on the theoretical aspects of ground-water flow systems and their interaction with the geologic framework. Lec/Lab. Field trips.
GLY	6828	Ground-Water Geochemistry	3	AS	GLY	PR: One year of college Chemistry, GLY 4822, GLY 6246, or CI. Chemical behavior of ground water. Includes interaction of water with aquifer materials, chemical effects of waste disposal, use of chemical tracers, and transport of hazardous chemicals. Methods of sampling and data interpretation are emphasized. Lec.
GLY	6905	Independent Study	1-19	AS	GLY	PR: CC. S/U. Independent study in which student must have a contract with an instructor.
GLY	6910	Directed Research	1-19	AS	GLY	PR: GR. ML, CC. S/U.
GLY	6931	Graduate Seminar	1	AS	GLY	PR: CC. S/U.
GLY	6933	Advanced Topics in	2	AS	GLY	PR: GS. Current topics in Geology.



		Geology					
GLY	6971	Thesis: Master's	2-19	AS	GLY	S/U.	
GLY	7912	Directed Research	1-30	AS	GLY	PR: GR. Ph.D. Level. S/U.	
GLY	7980	Dissertation: Doctoral	2-19	AS	GLY	PR: Admission to Candidacy. S/U.	
GMS	6001	Foundation in Biomedical Sciences	4-8	ME	MSG	PR: B.S./B.A. and admission into a Graduate Program at the University of South Florida. Instructor permission required for those not meeting these prerequisites.	A multidisciplinary course in the cellular, molecular, biochemical, and genetic basis of biomedical sciences, designed as a comprehensive first semester course for most incoming biomedical sciences graduate students.
GMS	6020	Neuroscience	5-6	ME	MSG	PR: CI.	An introduction into basic structure and function of the central nervous system. Emphasis is on an integrated approach that focuses on several levels of organization from molecular to cellular, from neural systems to behavior.
GMS	6056	Cancer Research Techniques	4	ME	MSG	PR: CI or CC.	An introduction to modern core research facilities and methodologies used in cancer research. Lec., Lab., Dem. Department Approval Required.
GMS	6065	Advances in Cancer Research	2	ME	MSG	PR: CI.	Participants will read and orally present current breaking research. They will gain experience in critically evaluating research reports.
GMS	6080	Cancer Biology Lab Rotations	1-3	ME	MSG	PR: CI.	
GMS	6091	Responsible Conduct and Success Skills for Emerging Bio	2	ME	MSG		This course will introduce the tasks and skills required of a successful biomedical graduate student and their responsibilities and rights as a scientists. Issues of ethical and responsible conduct will be emphasized throughout.
GMS	6107	Advances in Virology	2	ME	MSG		The course covers regulation of viral replication and the effects of virus infection on host cell function and survival.
GMS	6334	Pathobiology of Human Cancer	3	ME	MSG	PR: Pathology Departmental Approval.	Using tissue-related oncology topics that complement molecular biology & experimental therapeutics, this graduate course will provide the

							morphologic and biologic basis of human cancer. This course is not restricted and is repeatable for 3 credits.
GMS	6431	Cell Physiology	4	ME	MSG		Examine organelles and macromolecular complexes of eukaryotic cells with respect to structural and functional roles in major cellular activities. Emphasizes on experimental basis for factual knowledge in modern cell biology, discusses the validity of current concepts in relation to the regulation of cellular functions. Suitable for first and second year graduate students.
GMS	6461	Systems Physiology and Pharmacology	5	ME	MSG	PR: GMS 6001 OR equivalent Cell and Molecular Biology course OR Instructor approval; CR: None required - recommend Graduate Neuroscience (GMS 6020)	This course will serve as an introduction into human physiology and pharmacology, emphasizing systemic function. The course is not restricted to majors, and is not repeatable.
GMS	6503	Methods in Pharmacology	2-6	ME	MSG		This course is designed to familiarize students with selected research methods in pharmacology by participation in laboratory exercises designed and supervised by the faculty.
GMS	6512	Ion Channel Pharmacology and Disease	3	ME	MSG		This course is designed to familiarize students with the role of ion channels in the genesis of pathophysiological conditions and how these proteins may be targeted for therapeutic intervention.
GMS	6513	Principles of Pharmacology and Therapeutics	3	ME	MSG		This course is designed to familiarize students with basic principles of pharmacology and therapeutics. Students will be exposed to classical concepts of pharmacology such as drug-receptor interactions as well as modern techniques such as gene therapy.
GMS	6514	Instructional Skills in Pharmacology	1	ME	MSG		Students are given practical experience in current teaching techniques including an understanding the purpose of lecture, small groups and evaluation. There is direct faculty supervision and

							critique following direct classroom experience.
GMS	6601	Methods of Electron Microscopy in Medical Research	3	ME	MSG	PR: GMS 6608 or CC.	This lecture and laboratory course deals with theoretical and technical issues regarding the use of the electron microscope in biomedical research.
GMS	6602	Neural Correlates of Behavior	3	ME	MSG	PR: CC.	This course focuses on the organization and function of nervous system structures that control and regulate various aspects of somatic and visceral motor behavior.
GMS	6604	Human Embryology	3	ME	MSG	PR: CC.	This course deals with the structural and functional development of the human from conception to birth.
GMS	6608	Advanced Microscopic Anatomy	3-6	ME	MSG	PR: CC.	This lecture and laboratory course examines the human organism at the microscopic level, focusing on cellular morphology and the histological organization of tissues and organ systems.
GMS	6609	Advanced Human Gross Anatomy	6-12	ME	MSG	PR: CC.	This lecture and laboratory course focuses on the anatomical relationships between various structures that comprise the human body.
GMS	6610	Advanced Neuroanatomy	3-6	ME	MSG	PR: Admission to Ph.D. Program in Medical Sciences and Anatomy Department.	This lecture and laboratory course deals with the structure and function of the human nervous system. The course is organized using both regional and systemic approaches.
GMS	6611	Introduction to Anatomical Research	1-3	ME	MSG	PR: Admission to Ph.D. Program in Medical Sciences and Anatomy Department.	This course consists of scheduled rotations through the laboratory of at least three members of the anatomy department faculty.
GMS	6612	Supervised Teaching in Human Anatomy	1-3	ME	MSG	PR: GSM 6608, 6609, or 6610 and acceptance into the Anatomy Dept.	This course deals with the philosophy and mechanics of teaching. The course also involves supervised, practical experience in the various aspects of teaching in both the class-room and laboratory.
GMS	6735	Neuropharmacology	3	ME	MSG		This course will familiarize students with information on the biochemical basis of neural regulatory systems in the brain and the application of the latest approaches to the study of neurotransmitters and drug action in the nervous system.
GMS	6931	Directed	1-12	ME	MSG	PR: CI.	Student research will be performed

		Research in Cancer Biology					under the guidance of Ph.D. prior to formation of dissertation committee.
GMS	6932	Selected Topics in Cancer Biology	1-4	ME	MSG	PR: Permission of department.	Provides in-depth study of a single aspect of cancer biology. Topics offered vary by semester.
GMS	7910	Directed Research	1-19	ME	MSG	PR: Gr. Ph.D. level.	
GMS	7930	Selected Topics	1-3	ME	MSG	PR: CC.	
GMS	7939	Graduate Seminar	1	ME	MSG	PR: CC.	
GMS	7980	Dissertation: Doctoral	2-19	ME	MSG	PR: Admission to Candidacy.	S/U
GR W	5905	Directed Reading	1-4	AS	WLE	Departmental approval required.	
GR W	5934	Selected Topics	1-4	AS	WLE	Available to majors and non-majors.	Study of an author, movement or theme.
HIS	6112	Analysis of Historical Knowledge	4	AS	HTY	PR: GS, CI.	A study of history as a form of knowledge with emphasis on explanatory models and the relationships of social science theory to the problems of historical analysis.
HIS	6908	Independent Study	1-19	AS	HTY	PR: CI. S/U.	Independent study in which students must have a contract with an instructor.
HIS	6914	Directed Research	1-19	AS	HTY	PR: CI. ML. S/U.	
HIS	6925	Colloquium in History	4	AS	HTY	PR: CI.	Readings and discussions organized around an in-depth examination of selected topics within the fields. Emphasis of the course is on the review of historiographical, methodological, and interpretative advances as they affect the topics under study.
HIS	6939	Seminar in History	4	AS	HTY	PR: CI.	Research in selected topics within the fields selected by the instructor.
HIS	6971	Thesis: Master's	2-19	AS	HTY	PR: CI. Z/U.	
HSA	6197	Advanced Information Management and Retrieval	3	PH	HPM	PR: PHC 6196	Advanced concepts and application of information management and retrieval in health care. Emphasis is on the theoretical considerations and practical application of information management and retrieval.
HSC	6054	Design and Analysis of Experiments for Health Researchers	3	PH	EPB	PR: PHC 6051, PHC 6701 or CI.	An interdisciplinary overview of design and analysis of experimental and observational studies. Emphasis on applications in biological, clinical and health-related fields. Computer

							software used.
HSC	6055	Survival Analysis	3	PH	EPB	PR: PHC 6051, PHC 6701 or CI.	A study of statistical methods for analyzing censored life time data with applications in health sciences.
HSC	6056	Survey Sampling Methods in Health Sciences	3	PH	EPB	PR: PHC 6050, PHC 6701 or CI.	An interdisciplinary overview of survey techniques with applications in health sciences. Discussions on questionnaire design, measurement error, data collection modes, data management, use of computer software and statistical analysis.
HSC	6442	Prevention and Control of Unintentional Injuries	3	PH	CFH	PR: CI.	Prepares students to critically analyze the nature, magnitude and intervention strategies of unintentional injuries and propose new directions for prevention and control. Not restricted to public health majors.
HSC	6556	Pathobiology of Human Disease I	3	PH	EOH	PR: CI.	A basic study of broad pathobiological areas of biological injury, genetic and inborn errors of metabolism, and host-parasite relationships. In addition, the pathobiology of human disease is closely related to general biology in order to provide a strong foundation for the public health student.
HSC	6557	Pathobiology of Human Disease II	3	PH	EOH	PR: HSC 6556 and CI.	Overview of the distinct pathogenesis and etiology and selected acute and chronic diseases and their preventive aspects and impacts on the health care system. Provides basic knowledge of disease and illness patterns and their relationship to health planning.
HSC	7285	Accreditation / Licensed Health Care Organization	3	FM	MHS		This course will examine and discuss voluntary accreditation and governmental licensure: the principal formal methods of holding health care organizations accountable for the quality of service they provide. Emphasis is on current status and requirements of accrediting and licensing authorities.
HU M	6392	Teaching Practicum in Humanities	1-6	AS	HUM		Required of Teaching Assistants of Humanities courses. Workshops, meetings, and individual conferences treat topics related to teaching interdisciplinary courses focusing on the critical study of literature, music, and the arts. Credits do not count toward the Master of Liberal Arts degree.
HU	6412	Studies in the	3	AS	HUM	GS.	Examples from the arts and letters of

M		Humanities of India					India and the relationship of these arts to the Hindu and Buddhist philosophy-religions.
HUM	6414	Studies in the Humanities of China	3	AS	HUM	GS.	Examples from the arts and letters of China; their relationship to Taoism, Confucianism, and other Chinese philosophies; Western influences on twentieth century Chinese arts and letters.
HUM	6415	Japanese Arts and Letters	3	AS	HUM		Examples from the arts and letters of Japan, their relationship to Zen Buddhism and other Japanese philosophy-religions; Western influences on 20th century Japanese arts and letters.
HUM	6453	Studies in American Arts and Letters I	3	AS	HUM	GS.	Study of selected works dealing with the development of cultural patterns on the western frontiers and their effects on aesthetic judgment. From 1790 to 1890.
HUM	6456	Studies in Latin American Arts and Letters	3	AS	HUM	GS.	Analysis of selected Latin American works of art in their cultural context.
HUM	6465	Studies in American Arts and Letters II	3	AS	HUM		Examples from the arts and letters of the U.S.; analyses of their relationships to the concepts of progress and aesthetic judgment. From 1890 to present.
HUM	6475	Studies in Contemporary Arts and Letters	3	AS	HUM	GS.	Concentration on major artists and recent trends.
HUM	6493	Studies in Classical Arts and Letters	3	AS	HUM	GS.	Examples from the arts and letters of ancient Greece and their relationships to Aegean myths, religions, and philosophies. Classical Greek influences on later cultures.
HUM	6495	Studies in Renaissance Arts and Letters	3	AS	HUM	GS.	Masterpieces and major artists of the Renaissance in Continental Europe and England.
HUM	6496	Studies in Enlightenment Arts and Letters	3	AS	HUM	GS.	Studies in painting, sculpture, music, literature, and architecture in relation to philosophical determinism and political absolutism.
HUM	6497	Studies in Nineteenth Century Arts and Letters	3	AS	HUM	GS.	Examples from the arts and letters of the nineteenth century, their relationship to philosophical, social, and historical developments, and to the arts and letters of the twentieth century.
HUM	6801	Theories and	3	AS	HUM	PR: GS.	This course examines the

M		Methods of Cultural Studies					relationship between the arts and society by introducing various approaches to the study of literature, art, and culture that are of contemporary relevance to graduate students in the liberal arts and humanities.
HU M	6815	Research in Humanities	3	AS	HUM		A course emphasizing the practical aspects of research in the humanities including analyzing primary sources, assembling a bibliography, synthesizing secondary sources, and defining an argument. Topic varies.
HU M	6909	Independent Study	1-19	AS	HUM	S/U.	Independent study in which student must have a contract with an instructor.
HU M	6915	Directed Research	1-19	AS	HUM	PR: CI. S/U.	
HU M	6939	Selected Topics in Humanities	1-3	AS	HUM	GS.	Each topic is a course of study in a subject not covered by a regular course.
HU M	6940	Internship in Humanities	1-3	AS	HUM	PR: GS.	A structured, out-of-class learning experience providing first-hand, practical training in Humanities-related professional careers in the community.
HU M	6971	Thesis: Masters	2-19	AS	HUM		In consultation with an advisor, the student plans, organizes, and writes a thesis on a topic in interdisciplinary arts and ideas.
INP	6056	Industrial Psychology	3	AS	PSY	PR: GS.	An introduction to the major areas of Industrial-Organization Psychology, including topics on selection and placement, training, criterion development and performance appraisal, job satisfaction and motivation, and organizational theory and structure.
INP	6935	Topics in Industrial-Organizational Psychology	3	AS	PSY	PR: CI	Courses on topics such as industrial psychology, evaluation of performance in industry, and human factors.
INP	7097	Graduate Seminar in Industrial-Organizational Psychology	1-3	AS	PSY	PR: CI	Seminars on topics, such as industrial psychology, evaluation of performance in industry, and human factors.
INR	5012	Globalization	3	AS	INT		Examination of globalization's impact on international relations, including literature from political science, anthropology, geography, sociology, and economics that

							impacts the study of the nation-state system and power. Open to majors and non-majors.
INR	5086	Issues in International Relations	3	AS	POL	Sr./GS.	Explores specific topics and provides the student with an opportunity for in-depth study of historical and contemporary problems in international politics.
INR	6007	Seminar in International Relations	3	AS	POL	Sr./GS.	Advanced study of international relations, including survey of basic literature, analysis of numerous theoretical and methodological approaches, and analysis of major issues.
INR	6036	Seminar in International Political Economy	3	AS	POL	PR: POS 6736 or CI.	Advanced study of the development and politics of the international economic system focusing on theoretical and empirical analysis of cooperation and conflict in trade, aid, and investment relationships.
INR	6107	American Foreign Policy	3	AS	POL	GS.	Objectives, formulation, and execution of foreign policy; critical issues and problems confronting the United States. Study of various conceptual, methodological, and theoretical approaches.
INR	6690	Research Seminar in Globalization	3	AS	INT	PR: INR 5012.	Examination and presentation of research from multiple disciplines that address a wide-range of issues related to globalization, including those that concern governance and human development. Seminar format. Open to majors and non-majors.
ISC	7930	Selected Topics in Interdisciplinary Science	1-4	AS	IAS		Interdisciplinary studies will cell and molecular biology perspective.
ISM	6021	Management Information Systems	2	BA	QMB		An introduction to the fundamentals of information systems including an examination of information technology terminology and concepts, alternative methodologies for developing information systems, and the application and impact of information technology in contemporary organizations.
ISM	6123	Systems Analysis and Design	3	BA	QMB	PR: ISM 6021 or equiv.; COBOL I or other approved language, CC.	This course includes the foundations and methodologies for analysis of existing systems; the design, development, and implementation of new systems.
ISM	6124	Advanced Systems	3	BA	QMB		This course covers advanced topics of information systems development.



		Analysis and Design					Students learn to manage and perform activities throughout the information systems development life cycle. State-of-the-art system development processes, methods, and tools are presented.
ISM	6125	Software Architecture	3	BA	QMB	PR: ISM 6124	Software architecture has emerged as an explicit field of study for software engineering practitioners and researchers. In this course, we will investigate the growing literature on software architecture and understand the application of software concepts to the development of information systems.
ISM	6144	Seminar on Software Testing	3	BA	QMB	PR: ISM 6124 or an introductory course in Software Engineering.	This course will survey and analyze the best practices in industrial testing groups and explore new ideas for improving the testing process. Students gain practical experience with both functional (black box) and structural (clear box) testing methods.
ISM	6155	Enterprise Information Systems Management	3	BA	QMB	PR: ISM 6124, ISM 6218.	Development of enterprise transaction processing applications using procedural or object oriented programming languages, relational database management, database sharing, CASE methodology and project management techniques. Students will work in groups on semester projects.
ISM	6217	Database Administration	3	BA	QMB	PR: ISM 6123 or equiv., CC.	Advanced principles of Database Administration. Database Organization Models. Disaster Planning for Database Files.
ISM	6218	Advanced Database Management	3	BA	QMB		Advanced database design and management. Review of Codd's rules for relational databases. Database control issues. Object-oriented database analysis and design. Distributed database design and use of parallel systems. Expert and intelligent databases. OLAP databases.
ISM	6225	Distributed Information Systems	3	BA	QMB	PR: ISM 6123, CC.	Analysis, design, implementation, and management of distributed information systems and networks.
ISM	6305	Managing the Information System Function	3	BA	QMB	PR: ISM 6021 or equiv., CC.	An advanced study of information system management including system planning, project selection and management, and organizational information management policies.
ISM	6382	International	3	BA	QMB	PR: ISM 6021	Role of managers and information

		Aspects of Information Science					technology professionals in global business organizations and in deploying information systems to enable global operations.
ISM	6405	Decision Support Systems Applications	3	BA	QMB	PR: FIN 6406, QMB 6305, QMB 6603	Study of the principles of decision making and the human computer alliance with hands-on computer-assisted decision making for an organizational environment. Case studies and/or management games using micro-computers.
ISM	6480	Electronic Commerce	3	BA	QMB	PR: ISM 5217	This course provides a broad-based introduction to different facets of e-commerce, from both technical and managerial perspectives. Designing new e-commerce businesses as well as redesigning existing business to take advantage of e-commerce are examined. Specifically the course covers three areas: (1) e-commerce concepts, (2) e-commerce applications, and (3) e-commerce technologies.
ISM	6905	Independent Study	1-6	BA	QMB	PR: CC. S/U.	Independent Study as directed by designated faculty.
ISM	6930	Selected Topics in MIS	1-6	BA	QMB	PR: CC.	Selected topics in MIS.
ISM	6971	Thesis: Master's	2-6	BA	QMB		Students may select the thesis option in order to complete the Master of Science in the Management Information Systems (MS/MIS) program. Faculty permission is required to register for MS Thesis credit. Six credits are the maximum number of credits allowed for MS Thesis credit.
ISM	7120	Information Requirements Management	3	BA	QMB	PR: CC.	Understanding the theoretical foundation for analyzing problem situations and determining information technology requirements; tools and skill requirements of the systems manager; and methods of managing computer-based information systems.
ISM	7140C	Systems Development Methodologies	3	BA	QMB	PR: CC.	Realistic in-depth application perspective of the tools and techniques of systems development.
ISM	7231	File Access Methods and Systems Software for	3	BA	QMB	PR: Departmental Approval.	An information system, viewed as a user application process interacting with data in a particular hardware/software environment, is

		Application Development					analyzed to provide insights into various file access alternatives and advantages.
ISM	7422	Business Applications or Artificial Intelligence and Expert Systems	3	BA	QMB	PR: Departmental Approval.	Theory, concepts, methodologies, current trends, potential, interrelationships of artificial intelligence, expert systems, and decision process.
ISM	7441C	Computer-Based Applications in Operations Management	3	BA	QMB	PR: Departmental Approval.	Introduction to applications of computer technology in manufacturing and operations management. Focus on the design and implementation of applications to support the operations manager.
ISM	7905	Independent Study	1-6	BA	QMB	PR: CC. S/U.	Independent study in which student must have a contract with an instructor.
ISM	7910	MIS Research Seminar I	3	BA	QMB	PR: Departmental Approval.	Introduction to the MIS literature as it has developed over the past 30 years. Primary focus on the research literature. Other important writings will also be covered.
ISM	7911	MIS Research Seminar II	3	BA	QMB	PR:ISM7910 ISM 7910.	An examination of recently published empirical research in MIS and related disciplines, focusing on the development of a sound theoretical foundation for hypotheses, selection of appropriate design and statistical techniques, and evaluation of the results.
ISM	7912	Seminar on Behavioral IS Research	3	BA	QMB	PR: ISM 7910	This course is team taught by IS/DS faculty with research interests in behavioral and organizational fields. The seminar structure of the course allows flexibility of current research topics and opportunities for significant student faculty interaction. Students will achieve a broad understanding of the research areas and methods associated with behavioral and organizational IS research.
ISM	7930	Selected Topics in MIS	1-3	BA	QMB	PR: CC.	
ISM	7931	Directed Research	1-6	BA	QMB	PR: Ph.D. level, CC. S/U.	
ISM	7980	Dissertation	2-21	BA	QMB	PR: CC.	
ISS	5934	Selected Topics	1-3	AS	AFA	PR: CI plus senior standing or graduate status.	Interdisciplinary studies with course content dependent on student demand and instructor's interest.
ISS	6184	Development	3	AS	ISS		Overviews the ethical problems of

		Ethics: Principles and Practice					development, as well as presents the ways in which the problems of development may be investigated. Students are taught qualitative methodological techniques and apply these techniques in fieldwork projects. Open to all graduate students.
ISS	6900	Directed Reading	1-3	AS	ISS	PR: CI and GS or senior standing.	A supervised program of intensive reading of interdisciplinary materials of specific interest.
ISS	6910	Directed Research	1-19	AS	ISS		A supervised program of intensive reading of interdisciplinary materials of specific interest.
ISS	6934	Selected Topics	1-3	AS	ISS	PR: CI and senior standing or GS.	Interdisciplinary studies with course content dependent on student demand and instructor's interest. Rpt. As topics vary.
ITW	6910	Directed Research	1-19	AS	WLE	PR: GR. ML. S/U.	Selected topics in Italian literature.
JOU	5105	Newswriting and Editing	3	AS	COM	PR: GS in Mass Communications or CI.	Introduction to the basics of gathering, writing, and editing the news, with an emphasis on practical assignments done under professional conditions and standards. Discussions, readings emphasize the larger context and implications of news.
JOU	5305	Explorations in Newswriting	3	AS	COM	PR: CC.	Students work to develop writing styles, reporting on and creating stories about significant issues, events, and ideas. The course explores the notion that narrative-style journalism can be accurate, thorough, fair, and compelling, effectively bringing readers into stories and giving them a bigger stake in the news. The focus is on-going beyond traditional practices of reporting and writing news stories.
JOU	6107	News Coverage of Public Life	3	AS	COM	PR: CC.	Problems and methods of reporting urban affairs, including municipal government, and politics: city, county, and state. Research/analyses of current issues.
JOU	6122	Reporting: Methods and Perspectives	3	AS	COM	PR: CC.	Instruction and practice in computer-assisted reporting, social science research, interviewing, data-document research, observational techniques, and other methods of news gathering.
JOU	6191	Seminar: Contemporary Issues in	3	AS	COM	PR: CC.	A study of the role of the free press in a democratic society and its efforts to fulfill its social and ethical

		Journalism					responsibilities by analyses and discussions of the problems which face the reporter, the editor, and the publisher.
JOU	6707	Studies in Press Criticism	3	AS	COM	PR: CC.	A study of the principles and methods of journalism and the performance of its practitioners from a multi-disciplinary perspective of critical analysis.
LAE	5462	Young Adult and World Literature for New Teachers	3	ED	EDI	PR: Teaching position w/either English degree or 30 hrs of Undergraduate English	A study of the types of literature read by adolescents, including literature representative of other cultures, with emphasis upon the criteria for the choice of good books and knowledge of available books and teaching materials.
LAE	5932	Selected Topics in the Teaching of English	3	ED	EDT	PR: Certification in English and/or Mass Communication s and approval of graduate advisor.	Investigation of topics which are of special interest to the student and are related to the teaching of English in the secondary school. Topics will be selected by the student in accordance with his particular goals and will be approved by the student's graduate advisor.
LAE	6301	Language Learning in Childhood	3	ED	EDE		Research used to assess the language behavior of normal children and application of selected research methodology to understanding linguistic behavior of children.
LAE	6315	Writing and Writers: Trends & Issues	3	ED	EDE		The purpose of this course is to examine writing as a developing symbol system that is embedded in social and cultural contexts. Students will develop instructional strategies to facilitate children's writing development, as well as develop individual strategies for composing personal and professional texts.
LAE	6316	Trends in Literature in a Diverse Society	3	ED	EDE		Focuses on the examination of historical and contemporary multicultural children's literature in order to help teachers and students gain a pluralistic perspective of society. Instructional programs are designed to lead school-age children to a broader understanding, respect, and appreciation of all persons representing various cultural, ethnic, and societal groups.
LAE	6325	Methods of Teaching Middle School	4	ED	EDI		Balanced literacy methods for integrating reading, writing, speaking, listening, viewing, and critical thinking activities into a

		Language Arts					literature based program for middle school students. Note: This course has a field component of 36 hours.
LAE	6339	Methods of Teaching Secondary English Language Arts	4	ED	EDI		Balanced literacy methods for integrating reading, writing, speaking, listening, viewing, and critical thinking activities into a literature-based program for secondary school students. Note: This course has a field component of 36 hours.
LAE	6345	Teaching Written Composition	3	ED	EDT		Techniques for motivating, guiding, correcting, and evaluating student writing.
LAE	6366	New Perspectives on the Teaching of Young Adult Literature in Middle & Secondary Schools	3	ED	EDT	PR: Certification in English or Mass Communication s	The primary purpose of this course is to improve the quality of language arts instruction at the middle and secondary levels. To achieve this basic purpose, we will focus chiefly on adolescents' perception of and responses to literature and the implications for organization and presentation of literature curricula.
LAE	6374	Practice in Teaching Grammar	3	AS	ENG		Demonstrates techniques incorporating instruction of essential elements of English grammar/mechanics into composition courses. Pedagogy is essential for teachers in secondary schools, community colleges, or advanced composition at the university level.
LAE	6375	Contemporary Composition Studies	3	AS	ENG		Examines the important research and theory in contemporary position pedagogy.
LAE	6389	Practice in Teaching Literature	1-3	AS	ENG		A course that allows the prospective college English teacher to experiment with teaching techniques that will determine the most effective ways to teach literature and teach college English teachers the variety and importance of literary techniques and their relevance to various subject matters.
LAE	6392	Practice in Teaching Composition	3	AS	ENG	S/U.	In semester I required of and open only to Teaching Assistants new to USF's Freshman English program. Gives practical guidance in preparing to teach composition.
LAE	6415	Literature And The Learner	3	ED	EDE		Nature, scope, and uses of literature for instructional, information, and recreational purposes and implications of current theory,

							significant research, and issues in literature study as they relate to the learner.
LAE	6616	Trends in Language Arts Instruction	3	ED	EDE	PR: LAE 4314 or equivalent or DPR	Significant concepts, emerging trends, research, and instructional techniques for implementation and utilization of language arts in all areas of the curriculum.
LAE	6637	Current Trends in Secondary English Education	3	ED	EDT	PR: LAE 4335 or LAE 4642 or Certification in English or Mass Communications.	Curricular patterns and instructional practices in secondary English.
LAE	6644	Current Teaching of the English Language and the Study of Traditional Grammar	3	ED	EDT	PR: Certification in English or Mass Communications.	Applications of recent techniques of language study to classroom teaching of English, especially in relation to the teaching of grammar. Presents an interactive approach to grammar instruction in which students learn the basic elements of English grammar and engaging classroom activities for teaching grammar in the schools. Fulfills the grammar course requirement for teacher certification in English.
LAE	6861	American and British Literature with Technology	3	ED	EDI	PR: EDG 6947.	A study of five sections of literature: 1) British Literature before Shakespeare, 2) British Literature after Shakespeare to 1740, 3) British Literature 1740-1900, 4) American Literature before 1900, and 5) Twentieth Century British and American Literature (1890 to the Present) while developing an individual's skill with technology.
LAE	6906	Independent Study in English Education	1-6	ED	EDT		This course permits a student to explore a topic of interest in depth under the direction and supervision of a faculty member.
LAE	6947	Internship	6	ED	EDI	CI.	Provides students with an extended school-based experience, under the guidance of a cooperating teacher and university supervisor, for a full semester at or near the end of their graduate program. Open to graduate degree candidates only. S/U (PR: CI)
LAE	6971	Thesis: Masters/Educational Specialist	2-19	ED	EDT	S/U.	
LAE	7376	Problems in Advanced	3	AS	ENG	PR: Admission to the Ph.D.	Apprenticed, closely supervised study of and practice in teaching of

		English Instruction of Composition				program in English.	college and university advanced composition. Student may elect to work with nonfiction, fiction, or poetry.
LAE	7390	Problems in Advanced English Instruction and Scholarly Research	3	AS	ENG	PR: Ph.D. Candidacy.	This course provides closely supervised training in upper-level college English instruction and experience with professional research. Experience in lecture, seminar discussion, examinations, evaluation, conferences, directing undergraduate research, course development, use of secondary materials, publication procedure, and collation.
LAE	7717	Theories And Patterns Of Advanced Language Arts Instruction	3	ED	EDE	PR: LAE 6616 or equiv.	New research findings and theories relating to language patterns and contemporary programs for teaching language arts.
LAE	7747	Literature Program Design	3	ED	EDE	PR: EDF 6481, LAE 6415, or LAE 6336 or DPR.	Investigation and analysis of the research in literature instruction and the application of the findings to the development of literature programs.
LAE	7910	Directed Research in English Education	1-19	ED	EDT	PR: CI.	This course permits a doctoral student to conduct advanced research and to pursue specific areas of interest with a faculty member as supervisor. A contract is required with the faculty member. S/U.
LAE	7980	Dissertation	2-30	ED	EDI	PR: Admission to Candidacy	Rpt. S/U
LAS	6936	Core Seminar in Latin American, Caribbean and Latino	3	AS	INT		
LIN	5700	Applied Linguistics	3	AS	WLE		Analysis of the phonological, morphological, and syntactic features of English as a basis for linguistic application to problems of English language acquisition by non-native speakers.
LIN	6018	Topics in Theoretical Linguistics	3	AS	WLE		Offerings will include current issues in any area of linguistic theory.
LIN	6081	Introduction to Graduate Study in Linguistics	3	AS	WLE	Required of all M.A. candidates.	An introduction to the aims and methodologies of linguistics as a graduate discipline: The field of linguistics, its subdisciplines, and its relationship to adjacent arts and sciences; bibliographical resources; methods of research and research



							writing; and a brief survey of the historical development of linguistics and current issues in the field.
LIN	6117	History of Linguistic Thought	3	AS	WLE	PR: CC.	Survey of the development of language study in the West from Antiquity to the present. Classical and medieval theories of language; origins of traditional grammar; rationalist linguistic theory and philosophical grammar, and an examination of the origin of contemporary linguistic controversies.
LIN	6129	Studies in English Language and Linguistics	3	AS	WLE		An advanced study of the origin, historical development and contemporary structure of British and American English in its social and cultural milieu, with emphasis upon modern techniques for linguistic analysis and description.
LIN	6322	Phonological Description	3	AS	WLE	PR: LIN 6520, or CI.	Analysis of the phonological component of a grammar, its role and formal structures. The generative model is compared to taxonomic descriptions. Theory and data-solution problems.
LIN	6351	The Sound System of English	3	AS	WLE	PR: LIN 5700 or EQ.	Training in applied phonetic transcription of American English speech; analysis and description of major phonological processes and dialect features of American English, with practice in teaching pronunciation.
LIN	6571	The Structure of a Specific Language	3	AS	WLE		Analysis of the linguistic structures of both common and uncommon languages.
LIN	6601	Sociolinguistics	3	AS	WLE		Detailed analysis of the phenomenon of language variation with emphasis upon the research methodology of sociolinguistics and the implications of its findings for current linguistic theory.
LIN	6675	The Grammatical Structure of American English	3	AS	WLE	PR: LIN 5700 or EQ.	Analysis and description of major morphological and syntactic structures of American English, with emphasis upon applied linguistics.
LIN	6715	Language Acquisition	3	AS	WLE	PR: LIN 3010, LIN 4377 or CI.	A survey of current research and theory in the processes of normal language acquisition and development.
LIN	6720	Second Language Acquisition	3	AS	WLE	PR: LIN 6715 or EQ.	Neurolinguistic, psycholinguistic, and sociolinguistic bases of second language acquisition by both

							children and adults.
LIN	6722	Writing Processes in Second Languages Acquisition	3	AS	WLE	PR: LIN 6081,TSL5371 TSL 5371.	A survey of current theory and research in second language writing development and instruction, with emphasis upon second language writing in academic settings. May be taken as an elective by students in the Ph.D. program in Second Language Acquisition and Instructional Technology or the M.A. program in Applied Linguistics.
LIN	6748	Contrastive Analysis	3	AS	WLE		Comparison and contrast of the structures of American English with corresponding structures in selected foreign languages. EA and IA added for contrast with CA.
LIN	6908	Independent Study	1-19	AS	WLE	PR: CC. S/U.	Independent study in which the student must have a contract with an instructor.
LIN	6910	Directed Research	1-10	AS	WLE	PR: GR. ML, CC. S/U.	
LIN	6932	Selected Topics	1-4	AS	WLE	PR: CC.	Content will depend upon instructor's interests and students' needs. Such topics and neurolinguistics, bilingualism, and discourse analysis may be taught.
LIN	6940	Graduate Instruction Methods	1-4	AS	WLE	S/U only.	Special course to be used primarily for the training of teaching assistants.
LIN	6971	Thesis: Master's	2-19	AS	WLE	S/U.	
LIS	5020	Foundations of Library and Information Science	3	AS	LIS		Introduction to the study of library and information science, history; organization; specialized literature; outstanding leaders; current trends, issues, and problems; the place of the information agency in society with its contributions to that society.
LIS	5268	Microcomputer Applications Library and Information Centers	3	AS	LIS		Microcomputer hardware and software for libraries and their application in library/information settings. Projects using major applications for budgets, databases, and telecommunications are undertaken.
LIS	5315	Instructional Graphics	3	AS	LIS		Theoretical aspects, planning and production of instructional graphic material. The theory of graphic communications. Interpreting needs for instructional materials appropriate for given behavioral objectives.
LIS	5333	TV in Schools and	3	AS	LIS		Small format video tape recordings and the utilization of open and closed

		Libraries					broadcasts in schools and libraries.
LIS	5937	Selected Topics in Library Studies	1-4	AS	LIS		Covers a variety of topics in such areas as collection development, reference services, technical services, and administration.
LIS	6110	History of Libraries	3	AS	LIS		Development of libraries as found from the earliest records to the great libraries of modern times, and the library as a social institution.
LIS	6111	History of Children's Literature	3	AS	LIS		Historical bibliographical survey of imaginative and information literature for children.
LIS	6206	Adult Services in Libraries	3	AS	LIS	PR: LIS 6511 or CI.	Traditional and innovative services for adults in public and other types of libraries, including those for special groups, such as the aging, handicapped, and institutionalized.
LIS	6212	Reading Guidance Programs in Libraries and Classrooms	3	AS	LIS		Working with factors and forces influencing reading habits of children and youth; programs for teaching investigative and library skills materials and methods for guidance of reading, listening, and viewing.
LIS	6225	Storytelling	3	AS	LIS	PR: LIS 6585 or CI.	Building storytelling programs for school and public libraries or other educational institutions. Analysis of historical aspects, materials suitable for use and audience reaction.
LIS	6260	Information Science in Librarianship	3	AS	LIS		Historical overview of the emergence of information science as a discipline. The fundamental concepts of information retrieval systems and subsystems, related information technologies, including indexing and abstracting, and their applications to the field of librarianship.
LIS	6271	Research Methods in Library and Information Science	3	AS	LIS	PR: LIS 5020, LIS 6603, and LIS 6725 or LIS 6735.	Overview of present status of research in library and information science; introduction to research methods and their application to librarianship; designed to prepare students to evaluate and plan research studies relating to library and information science.
LIS	6303	Preparing Instructional Media	3	AS	LIS		Fundamentals of preparing and using audiovisuals as they relate to the communication process.
LIS	6402	Advanced Library Administration	3	AS	LIS		Applications of staff management principles to library situations. Includes staff roles in current and future operations, application of library performance measures to

							determine staff effectiveness; preparation of staff manuals; problems of special classes of library workers, such as volunteers and students.
LIS	6409	Introduction to Library Administration	3	AS	LIS		Behavioral approach to libraries as organizations; administrative principles, theories, and problems of all types of libraries; methods of administration; use of case studies, role plays, and in-basket exercises.
LIS	6432	Seminar in Academic Libraries	3	AS	LIS	PR: LIS 6409 or CC.	Identification of problems and critical examination of methods in administrative areas of technical, student and teaching staff services, fiscal and legal responsibilities, staff organization and supervision in academic libraries.
LIS	6445	Seminar in Public Libraries	3	AS	LIS	PR: LIS 6409 or CC.	Critical examination of public and institutional library administration, services, resources, and facilities at the municipal, county, and regional levels. Role of state and federal governments in library development.
LIS	6455	Organization and Administration of the School Media Center	3	AS	LIS	PR: LIS 6409 or CC.	Media quarters, facilities, collections, equipment, and services. Principles of organization and administration of media programs in elementary and secondary schools. Field trips to area media centers required.
LIS	6463	Library Networks and Systems	3	AS	LIS		Development of library networks at the local, state, regional, and national levels with consideration of organization, administration, services, funding, and legislation.
LIS	6464	Library Systems Analysis and Planning	3	AS	LIS		Application of systems planning and data processing technology to library files. Emphasis on analysis of selected library subsystems.
LIS	6472	Seminar in Special Libraries	3	AS	LIS	PR: LIS 6409 or CC.	Identification of problems and critical examination of methods in administrative areas of technical and special service clientele; fiscal and legal responsibilities, staff organization, and services in special libraries.
LIS	6473	Law Librarianship	3	AS	LIS	PR: LIS 6260, LIS 6409, LIS 6603, LIS 6735, or CC.	All aspects of law librarianship, including administration, acquisition, organization, and use of information resources for persons in the health fields. Field trip may be required.
LIS	6475	Health Sciences	3	AS	LIS	PR: LIS 6260, LIS 6409, LIS	All aspects of health science librarianship, including

		Librarianship				6603, LIS 6735 or CC. Field trip may be required.	administration, acquisition, organization, and use of information resources for persons in the health fields such as physicians, medical students, nursing students, allied health personnel and students, and researchers.
LIS	6511	Collection Development and Maintenance	3	AS	LIS	CP: LIS 6271.	Developmental approach to building library collections of both print and non-print materials. Emphasis upon evaluation, selection, and acquisition of library materials as they uphold the objectives of the institutions for which they are selected and acquired.
LIS	6542	The Curriculum and Instructional Technology	3	AS	LIS		Effective utilization of instructional materials as they relate to specific areas of curriculum in elementary and high school programs.
LIS	6565	Books and Related Materials for Young Adults	3	AS	LIS		Young adult materials for use in secondary school libraries, young adult sections of public libraries, and other institutions serving youth. Equal emphasis upon (1) selection principles and bibliographical sources, as well as upon (2) utilization in terms of service to the young adult.
LIS	6585	Materials for Children	3	AS	LIS		Examination of materials for all institutions in which children are served: school media centers, public libraries, kindergartens, etc. Stress on selection aids, reviewing techniques, utilizations.
LIS	6603	Basic Information Sources and Services	3	AS	LIS		An examination of the basic sources of information in the general library; of bibliographical control of all communication media, with emphasis on those tools of most value to general reference services.
LIS	6609	Online Information Sources and Services	3	AS	LIS	PR: LIS 6260, LIS 6603, or CC.	Principles of online searching and characteristics of machine-readable bibliographic data bases. Includes two credit hours of laboratory providing hands-on research experience.
LIS	6610	Information Sources and Services in the Humanities	3	AS	LIS	PR: LIS 6603 or CC.	Consideration of the bibliographical and reference materials in the humanities with training and practice in their use for solving problems in the reference service.
LIS	6620	Information Sources and Services in	3	AS	LIS	PR: LIS 6603 or CC.	Consideration of the bibliographical and reference materials in the social sciences with training and practice in

		the Social Sciences					their use for solving problems in reference service.
LIS	6624	Information Sources and Services in Business and Law	3	AS	LIS	PR: LIS 6603 or CI.	Consideration of representative reference sources in business and law with training and practice in their use for solving information problems in academic, public, and special libraries.
LIS	6630	Information Sources and Services in Science and Technology	3	AS	LIS	PR: LIS 6603 or CC.	Study of representative reference sources in pure and applied sciences with equal attention given to typical problems encountered in scientific and technological reference service.
LIS	6661	Government Documents	3	AS	LIS		The nature of state, federal, United Nations, and international documents, their reference and research value; the techniques of acquisition, organization, and reference use.
LIS	6724	Classification and Cataloging of Non-Book Materials	3	AS	LIS	PR: LIS 6735 or CC.	Principles and practices in cataloging and organizing non-book materials.
LIS	6725	Organization of Knowledge I	3	AS	LIS		Principles of the organization of knowledge emphasizing descriptive cataloging, including the MARC format, the use of LCSH and the Library of Congress classification, and searching the OCLC Online Union Catalog.
LIS	6726C	Indexing and Abstracting	3	AS	LIS	PR: LIS 6725 or LIS 6735	Principles and procedures for indexing and abstracting products of human knowledge in various formats, including vocabulary control, thesaurus construction, classification, and coding in manual, automated, and intelligent systems.
LIS	6735	Technical Services in Small Libraries	3	AS	LIS		Covers aspects of technical services including acquisitions, cataloging, and circulation systems as they relate to school media centers, small public libraries, and information centers. Automation is emphasized in all aspects of the course.
LIS	6745	Organization of Knowledge II	3	AS	LIS	PR: LIS 6725.	Introduction to the practice in using selected schedules of Library of Congress Classification System and the Library of Congress Subject Heading List; changing policies and procedures in cataloging and an introduction to the use of the MARC format for inputting cataloging data into machine readable files.

LIS	6906	Independent Study	1-4	AS	LIS	PR: 20 hours in program and consent of advisor. S/U.	
LIS	6946	Supervised Field Work	3	AS	LIS	PR: CC.	Supervised experience in an approved cooperating library. Includes practice work, seminar sessions and individual conferences, a progress report, and a final report on the field experience.
LIT	6096	Studies in Contemporary Literature	3	AS	ENG		Drama, poetry, fiction, and literary criticism; authors to be studied include Ionesco, Thomas, Miller, T. Williams, Beckett, Camus, Burgess, Morrison, and Walker.
LIT	6105	Studies in Continental Literature	3	AS	ENG		General areas include the Renaissance, the Enlightenment, the Novel in Europe, the Romantic Movement on the Continent, and Classical Comedy.
LIT	6934	Selected Topics in English Studies	3	AS	ENG		Current topics offered on a rotating basis include The Nature of Tragedy; The Nature of Comedy and Satire; and the Nature of Myth, Allegory, and Symbolism; the Epic; Utopian Literature. Other topics will be added in accordance with student demand and instructor interest.
LNW	5900	Directed Reading	1-4	AS	WLE	Departmental approval required. S/U.	
LNW	5934	Selected Topics	4	AS	WLE		Study of an author, movement, or theme.
LNW	6505	Roman Philosophy	3	AS	WLE		Readings in the philosophic writings of Cicero, Seneca, and Lucretius, together with an examination of Stoic, Epicurean, and Eclectic thought.
LNW	6655	Horace	3	AS	WLE		Readings in the Odes and Epodes of Horace; study of the Ode's tradition.
LNW	6665	Vergil	3	AS	WLE		Readings in the Aeneid, the Eclogues, and the Georgics.
LNW	6910	Supervised Research	3	AS	WLE	PR: CC.	
LNW	6940	Supervised Teaching	3	AS	WLE		
MA A	5306	Real Analysis I	3	AS	MTH	PR: MAA 4211.	Riemann-Stieltjes integrals, uniform convergence, Fourier series, Lebesgue measure and integration on $\mathbb{R}$ .
MA A	5307	Real Analysis II	3	AS	MTH	PR: MAA 5306.	Metric spaces, Banach spaces, and function spaces; measure and integration on abstract spaces.
MA	5405	Applied	3	AS	MTH	PR: CI.	Complex numbers, analytic and

A		Complex Analysis					harmonic functions. Series. Contour integrals, residue theory. Conformal mappings. (A survey course emphasizing techniques and applications.)
MA A	6406	Complex Analysis I	3	AS	MTH	PR: MAA 5405 or CI.	Linear transformations, analytic functions, conformal mapping, Cauchy's theorem and applications, power series, partial fractions and factorization, elementary Riemann surfaces, Riemann mapping theorem.
MA A	6407	Complex Analysis II	3	AS	MTH	PR: MAA 6406 or CI.	Topics in: conformal mappings, normal families, Picard's theorem, univalent functions, extremal properties, elliptic functions, approximation theory, Riemann surfaces.
MA A	6506	Functional Analysis I	3	AS	MTH	PR: MAA 5307, MAS 5107 or CI.	Normed linear spaces and topological vector spaces; open mapping, closed graph, and Hahn-Banach Theorem, UB principle, compact operators, dual spaces.
MA A	6507	Functional Analysis II	3	AS	MTH	PR: MAA 6506.	Hilbert spaces, spectral theory, and other topics.
MA A	6616	Abstract Integration	3	AS	MTH	PR: MAA 5307 or CI.	Measure as abstract integration; Riesz representation theorem, Fubini's Theorem, Radon-Nikodym Theorem, LP spaces.
MA D	5101	LISP: Programming With Algebraic Applications	3	AS	MTH	PR: MHF 5306 or MAD 6510 or MAS 5311 or CI.	Programming in LISP, functional languages, foundations of Lambda Calculus and algebraic applications (theorem proving and game playing).
MA D	5305	Graph Theory	3	AS	MTH	PR: MAS 3105 or CI.	Brief introduction to classical graph theory (4-color theorem, etc.), directed graphs, connected digraphs, condensations, incidence matrices, Polya's Theorem, networks.
MA D	6206	Combinatorics I	3	AS	MTH	PR: MAS 3105 and MAS 4301 or CI.	Elementary counting principles, distributions, sets, multisets, partitions of sets and integers, generating functions and recurrences, graphical methods, probabilistic methods.
MA D	6207	Combinatorics II	3	AS	MTH	PR: MAS 5311 and MAD 6206 or CI.	Combinatorics of finite sets: posets, hypergraphs and external problems, matroids, block designs, Mobius inversion for partially ordered sets, Polya's enumeration theory.
MA D	6510	Analysis of Algorithms	4	AS	MTH	PR: MAS 4301 or CI.	Mathematical theory of algorithms for information processing, including time and space requirements of algorithms, construction of optimal algorithms.



MA D	6616	Algebraic Automata Theory	3	AS	MTH	PR: MAS 4301 or CI.	Deterministic and non-deterministic finite automata, Mealy and Moore machines, push-down automata, Turing machines, regular languages, context free languages, halting problem, and universal Turing machines.
MA D	6617	Algebraic Coding Theory	3	AS	MTH	PR: MAS 5311 or CI.	Linear block codes over an arbitrary finite field: Hamming, Golay, BCH, quadratic residue, Reed-Muller, and MDS codes, the MacWilliams identity, bounds on minimum distance, and relationship to design theory.
MAE	5875	Abstract Algebra for Teachers	3	AS	MTH	PR: MAS 3105 and MAS 4301 and Bachelor's degree or CI. No credit for Mathematics majors.	Groups, fields, vector spaces as they relate to high school algebra and geometry.
MAE	6115	Current Trends in Elementary Mathematics Education	3	ED	EDE	PR: MAE 4310 or equiv.	Philosophy, content, and process of mathematics instruction in elementary school programs.
MAE	6117	Teaching Elementary Math	3	ED	EDE		This course provides for the development of knowledge and skills necessary to prepare students as teachers of mathematics in elementary classes as recommended by the National Council of Teachers of Mathematics in its guidelines for teachers.
MAE	6134	Current Trends in Middle Grades Mathematics	3	ED	EDO	PR: Admission to the MAT program in middle grades mathematics or CI and MAE 6356.	This course examines current trends and issues in middle grades mathematics. It familiarizes teachers with new developments in this field with a focus on curriculum issues and issues arising from state, national, and international assessments.
MAE	6136	Current Trends in Secondary Mathematics Education	3	ED	EDO	PR: MAE 4330 or DPR.	Curricular patterns and instructional practices in secondary mathematics.
MAE	6137	Probability and Statistics for Middle Grades Teachers	3	ED	EDO	PR: Admission to the MAT program in middle grades mathematics or CI.	This course examines probability and statistics topics for middle grades mathematics teachers. Topics include data collection and display, measures of central tendency and variability, probabilities, and sampling procedures.

MAE	6166	Communication Skills in Mathematics	3	ED	EDO	PR: Admission into the MAT in Middle Grades Mathematics or CI.	This course examines issues related to communicating in mathematics, including reading, writing, speaking, and listening. It satisfies the reading in the content area mandate for certification.
MAE	6332	Advanced Math Topics - Middle Grades Teachers	3	ED	EDO	PR: Admission into the MAT in Middle Grades Mathematics or CI. Completion of MAE 6173, MAE 6333, MAE 6334, and MAE 6335.	This course examines advanced functions topics, basic concepts of trigonometry, and the foundations of calculus. Teachers experience instructional approaches appropriate for use in middle grades classrooms.
MAE	6333	Algebra for Middle Grades Teachers	3	ED	EDO	PR: Admission into the MAT in Middle Grades Mathematics or CI. Completion of MAE 6137, MAE 6333, MAE 6334 and MAE 6335.	This course examines in algebra content appropriate for middle grades mathematics teachers, including the use of technology to study algebra. Teachers experience instructional approaches appropriate for use in middle grades algebra classrooms.
MAE	6334	Geometry and Measurement for Middle Grades Teachers	3	ED	EDO	PR: Admission into the MAT in Middle Grades Mathematics or CI.	This course examines in geometry content appropriate for middle grades mathematics teachers, including the use of technology to study geometry. Teachers experience instructional approaches appropriate for use in middle grades classrooms.
MAE	6335	Number Theory for Middle Grades Teachers	3	ED	EDO	PR: Admission into the MAT in Middle Grades Mathematics or CI.	This course examines in number theory concepts appropriate for middle grades mathematics teachers, including historical connections. Teachers experience instructional approaches appropriate for use in middle grades classrooms.
MAE	6337	Topics in Teaching Algebra	1-4	ED	EDO	PR: Undergraduate degree in mathematics or certification in secondary school mathematics	Topics in algebra, philosophy, new trends, and methods of teaching secondary school algebra.
MAE	6338	Topics in Teaching Geometry	1-4	ED	EDO	PR: Undergraduate degree in mathematics or certification in secondary	Topics in geometry, philosophy, new trends, and methods of teaching secondary school geometry.

						school mathematics	
MAE	6356	Teaching of Pre-Secondary School Mathematics	3	ED	EDO	PR: 12 hours of mathematics. DPR.	Development of strategies and materials for teaching mathematical concepts and skills appropriate to pre-secondary school years.
MAE	6549	Advanced Practicum in Diagnosis and Treatment of Learning Disabilities in School Mathematics	1-6	ED	EDO	PR: MAE 6516	Supervised conduct of a case study with a student experiencing learning difficulties in mathematics. Procedures and reporting practices developed in MAE 6516 reviewed and extended.
MAE	6899	Internship Seminar in Mathematics Education	3	ED	EDO	PR: Admission into a graduate initial certification program in mathematics education. CR: MAE 6947, Graduate Internship: Mathematics Education.	This seminar accompanies the graduate internship in mathematics education and provides teacher candidates an opportunity to interact with peers and university faculty regarding classroom experiences.
MAE	6906	Independent Study in Mathematics Education	1-6	ED	EDO		This course permits a student to explore a topic of interest in depth under the direction and supervision of a faculty member.
MAE	6945	Practicum in Mathematics Education	3	ED	EDO	PR: Admission into a graduate initial certification program in mathematics education.	This practicum provides individuals in the MAT program in mathematics education with early field experiences in mathematics classrooms at the middle or high school levels, depending on the program of study.
MAE	6947	Internship	6	ED	EDI	PR: CI.	Provides students with an extended school-based experience, under the guidance of a cooperating teacher and university supervisor, for a full semester at or near the end of their graduate program. Open to graduate degree candidates only. S/U (PR: CI)
MAE	6971	Thesis: Masters/Educational Specialist	2-19	ED	EDO	S/U.	
MAE	7138	Assessment in Mathematics Education	3	ED	EDO	PR: Admission to the Ph.D. Program with emphasis in	This course discusses issues related to assessment in mathematics education at all levels, including state, national, and international

						Mathematics Education or CI.	assessments. It also discusses issues related to rubrics and alternative assessments in mathematics.
MAE	7146	Curriculum History/Research Mathematics Education	3	ED	EDO	PR: Admission to the Ph.D. Program with emphasis in Mathematics Education or CI.	This course surveys curriculum history in mathematics education, discusses current research on mathematics education curricula, and explores issues related to conducting research on curriculum in this field.
MAE	7655	Technology Issues in Mathematics Education	3	ED	EDO	PR: Admission to the Ph.D. Program with emphasis in Mathematics Education or CI.	This course focuses on issues surrounding the use of technology in mathematics education. It examines perspectives and research about technology in mathematics education and their implications for technology instruction in school mathematics programs.
MAE	7794	Preparing Teachers of Mathematics, K-12	3	ED	EDO	PR: Admission to the Ph.D. Program with emphasis in Mathematics Education or CI.	This course focuses on analyzing and examining the research in mathematics teaching and teacher education as it relates to the initial preparation of teachers of mathematics and to the professional development of practicing teachers of mathematics.
MAE	7796	Research Issues in Mathematics Education	3	ED	EDO	PR: Admission to the Ph.D. Program with emphasis in Mathematics Education or CI.	This course focuses on current research in mathematics education and its implications for instruction in school mathematics programs, particularly its impact on mathematics curricula, learning, and instruction.
MAE	7910	Directed Research in Mathematics Education	1-19	ED	EDO	PR: CI.	This course permits a doctoral student to conduct advanced research and to pursue specific areas of interest with a faculty member as supervisor. A contract is required with the faculty member. S/U.
MAE	7945	Practicum in Mathematics Education	3	ED	EDO	PR: Admission to the Ph.D. Program with emphasis in Mathematics Education or CI.	This practicum provides doctoral students in mathematics education an opportunity to engage in professional experiences in teaching or research that are individualized to meet future academic needs and goals.
MAE	7980	Dissertation	2-30	ED	EDO	PR: Admission to Candidacy.	
MAN	6053	Politics and Control in Organizations	3	BA	MAN	PR: GS.	Course explores politics and control at the individual, small group, and organizational levels. Students will also explore the power relationships between organizations and the larger political/economic systems of which

							they are a part and with which they interact.
MA N	6055	Human Behavior and Organization	3	BA	MBA	PR: GS.	An examination of the theory and practice of management, including the study of goals and means, the functions of management, and the administrative process in general.
MA N	6107	Leadership Perspective	3	BA	MAN		Examines the perspective required of the manager/leader/facilitator in light of personal, organizational, and societal needs judged by standards of effectiveness and ethicalness.
MA N	6116	Managing Diversity	3	BA	MAN		Course deals with questions, dimensions of style and structure, problems and paradigms of solutions that have come out of management experience of a changing workforce during the past twenty years. Emerging styles of leadership among people of diverse cultural backgrounds will be explored as solutions, not as problems.
MA N	6122	Leadership and Teams	3	BA	MAN		Exploration, analysis and application of leadership theory, research concepts and skills in teams and organizations. Course provides insights into opportunities and challenges faced by leaders as they seek to adapt themselves and their organizations to the global business environment.
MA N	6140	Decision Making & Problem Solving	2	BA	MAN		
MA N	6149	Leadership and Teams	3	BA	MAN	PR: GS.	) Exploration, analysis and applications of Leadership theory, research concepts and skills in teams and organizations. Course provides insights into opportunities and challenges faced by leaders as they seek to adapt themselves and their organizations to the global business environment.
MA N	6204	Organization Design and Structure	3	BA	MAN		Systematic study of architecture, design and management approaches that influence the effectiveness of public and private organizations, including theory, environment, technology, culture, behavior control and work design.
MA N	6256	Politics and Control in Organization	3	BA	MAN		Course explores politics and control at the individual, small group, and organizational levels. Students will

		s					also explore the power relationships between organizations and the larger political/economic systems of which they are a part and with which they interact.
MA N	6289	Organizational Change and Development	3	BA	MAN	PR: MAN 6055 or CI.	A combination laboratory-field course requiring the integration of behavioral science theories, tools, concepts, and techniques learned in the lab to an OB application in a \
MA N	6305	Human Resource Management	3	BA	MAN	PR: GS.	Course focuses on the complex decision-making processes involved in the management of human resources within an organizational system geared to meeting both individual needs and organizational objectives.
MA N	6448	Negotiating Agreement and Resolving Conflict	3	BA	MAN		Provide the student with an overview of conflict resolution within/between organizations. Includes negotiation, mediation, arbitration, peer review, and other alternatives to litigation; internal dispute resolution, dispute system design/implementation.
MA N	6525	Quality Management	3	BA	MAN	PR: GS.	This course provides the student with an understanding of the fundamentals of quality management. Students will develop an appreciation for the complexities of modern organizations in the pursuit of quality. A cross-function multidisciplinary approach is used.
MA N	6527	Advanced Seminar in Quality Management	3	BA	MAN	PR: MAN 6525	This course explores the new paradigm shift occurring in business. Focusing on quality enhancement initiatives, the course explores the execution of quality management programs and their associated complexities.
MA N	6569	Quantitative Applications for Management Decisions	3	BA	QMB	PR: QMB 6305 and QMB 6603	The integration of quantitative approaches and management science tools into the decision making process at various organizational levels and in various organizational settings involved in the production and dissemination of goods and services.
MA N	6601	International Management	3	BA	MAN	PR: GS.	A study of the characteristics of the international and multinational company, environmental constraints, personnel and labor relations factors, and strategic planning and policies.
MA N	6607	Managing International	3	BA	MAN	PR: GS.	Examines the effects of culture and nationality on business practices in

		Cultural Differences					selected regions and countries and suggests ways to build synergistic solutions from multicultural differences.
MA N	6726	Strategic Planning	3	BA	MAN	PR: Graduate Standing	Examines techniques to creatively vision and analyze the future to prepare individuals and organizations for future opportunities and threats. Designed to familiarize students with techniques for analyzing the future, critical issues, how the future will impact them as individuals.
MA N	6806	Entrepreneurship and Small Business Management Counseling	1-3	BA	MAN		Small business management consulting to an on-going firm or development of a business plan for a new enterprise. Emphasis on developing consulting skills and recognizing implications of entrepreneurs capabilities and attitudes for success.
MA N	6905	Independent Study	1-19	BA	MAN	PR: CC. S/U.	Independent study in which student must have a contract with an instructor.
MA N	6911	Directed Research	1-19	BA	MAN	S/U. PR: GR. ML, CC.	
MA N	6930	Selected Topics	1-4	BA	MAN	PR: CC.	Designed to be taken either under general guidance of faculty member on some facet of management not offered in a regular course or with regularly scheduled graduate courses for more in-depth study.
MA N	6971	Thesis: Master's	1-19	BA	MAN		
MA N	7205	Organization Theory	3	BA	MAN	PR: MAN 7225 or CI.	Interdisciplinary overview of theory and research on macro organizational variables affecting organizational design and effectiveness. Focus on relationships between organizational structure and dynamics of human behavior.
MA N	7225	Research Elective in Management	3	BA	MAN	PR: MAN 6055, Research Methods I and II or equiv.	Parametric & nonparametric statistics required. Research: Methods for organization analysis and management, design, sample selection, data collection, interpretation and presentation of results.
MA N	7245	Organizational Behavior	3	BA	MAN	PR: MAN 7205 or CI.	Behavioral concepts and practices in organizations. Emphasis on individual groups, intragroup and intergroup development and actions; organization; socialization; motivation; values; performance;

							communication effectiveness.
MA N	7285	Organizational Development	3	BA	MAN	PR: MAN 7205 or CI.	Theory and research relating to management efforts to design and implement continual developmental activities to alter climate and improve productivity and effectiveness in dynamic organizations.
MA N	7900	Directed Readings in Management	3	BA	MAN	PR: MAN 7245 and MAN 7285 or CI.	Advanced reading program from selected areas in management under supervision of faculty member, requiring written contract describing requirements, prior to registration.
MA N	7905	Independent Study in Management	1-4	BA	MAN	PR: CC. S/U only.	Course permits a management doctoral student to conduct research and pursue specific areas of interest with a faculty member as supervisor. Contract required to establish performance levels expected.
MA N	7910	Directed Research in Management	3	BA	MAN	PR: MAN 7245 and MAN 7285 or CI. S/U.	Advanced directed research program in a specific area of management under supervision of a management faculty member.
MA N	7920	Research Symposium	1	BA	MAN		
MA N	7930	Selected Topics in Management	3	BA	MAN	PR: MAN 7245 and MAN 7285 or CI.	A flexible format to offer specialized courses in management not available in regular curriculum.
MA N	7932	Seminar in Management	3	BA	MAN	PR: MAN 7245 and MAN 7285 or CI.	Critical examination of problems and issues relevant to contemporary management, such as productivity improvement, environmental constraints, etc.
MA N	7935	Seminar in Strategic Management	3	BA	MAN	PR: CC.	Introduces basic theoretical issues and empirical research in strategic management.
MA N	7980	Dissertation	2-21	BA	MAN	PR: Successful completion of preliminary exams; successful completion of Field Exams in each Major and Secondary field and admission to candidacy for Ph.D. program in Management.	
MAP	5316	Ordinary Differential Equations I	3	AS	MTH	PR: MAP 2302 and MAA 4211, or CI.	Existence and uniqueness theory, properties of solutions, linear systems, stability theory. Sturm-Liouville theory.



MAP	5317	Ordinary Differential Equations II	3	AS	MTH	PR: MAP 5316 and MAA 5307 or CI.	Topics selected from fixed point theory, comparison theory, oscillation theory, Poincare-Bendixson Theory, Lyapunov functions, eigenfunction expansions.
MAP	5345	Applied Partial Differential Equations	3	AS	MTH	PR: MAP 5407 or CI.	Separation of variables, the heat equation, wave equation, Laplace's equation, classification, Green's functions with emphasis on applications.
MAP	5407	Methods of Applied Mathematics	3	AS	MTH	PR: MAP 2302 or CI.	Sturm-Liouville theory, Fourier series, Green's functions, matrix methods for linear systems of ordinary differential equations, and topics from calculus of variations, control theory, numerical solutions of differential equations.
MAP	6205	Control Theory and Optimization	3	AS	MTH	PR: MAA 5307 and MAP 5316 or CI.	Projection theorems and minimum norm problems, convex analysis, duality principle, constrained optimization, finite dimensional linear systems, controllability, optimal control and pontryagin maximum principle
MAP	6206	Math Opt Th II	3	AS	MTH		
MAP	6336	Theory of Ordinary Differential Equations I	3	AS	MTH	PR: MAA 5307 and MAP 5317, or CI.	Advanced topics selected from: existence and uniqueness theory, singularity theory, asymptotics and stability, eigenfunctions, perturbations, topological methods, spectral theory of differential operators.
MAP	6356	Partial Differential Equations	3	AS	MTH	PR: MAP 5345 and MAA 5307, or CI.	Advanced topics from: elliptic boundary value problems, semigroup theory, Sobolev spaces, degree theory, regularity, evolution equations
MAR	6158	International Marketing Management	3	BA	MKT	PR: MAR 6815, CC.	A study of marketing management activities from the perspective of firms doing business across national boundaries. Emphasis is upon aspects of marketing which are unique to international business and problem-solving within an international context.
MAR	6216	Logistics and Physical Distribution Management	3	BA	MKT	PR: MAR 6815 or CI.	A study of managerial methods focusing on the establishment and control of optimum customer service levels in the areas of inventory, transportation, fixed facility location, material handling, and information. Component parts of each system are analyzed quantitatively. Reading,

							lecture, and case analysis.
MAR	6336	Promotional Management	3	BA	MKT	PR: MAR 6815, CC.	Management of the promotional function as part of the total marketing program. Includes a study of relevant buyer behavior concepts, resources and budgets, media, creative aspects, and effectiveness measurements as they relate to the management tasks of developing, implementing, and evaluating promotional strategy.
MAR	6406	Sales Management	3	BA	MKT	PR: MAR 6815, CC.	A study of the sales function of the firm approached from the perspective of the sales manager. Emphasis is placed upon the development of the student's problem-solving, decision-making, and analytical skills.
MAR	6646	Research for Marketing Managers	3	BA	MKT	PR: MAR 6815, QMB 6305, ISM 6021.	A study of marketing research methods and information systems and their relationship to marketing decision-making. Topics include value and cost of information, sample design, questionnaire design, statistical analysis, and report presentation. Lecture, reading, case analysis, and project.
MAR	6815	Marketing Management	2	BA	MBA	PR: ECO 6114, CC.	Analysis of operational and strategic planning problems confronting marketing managers. Topics include buyer behavior, market segmentation, information systems, product selection and development, pricing, distribution, promotion, and sales force management.
MAR	6816	Marketing Strategy	3	BA	MKT	PR: MAR 6815, CC.	A study of strategic marketing planning and problem-solving processes as practiced by the modern market-oriented firm. The course is designed to develop marketing problem-solving, decision-making, and planning skills through the extensive use of case analysis.
MAR	6907	Independent Study	1-19	BA	MKT	PR: CC. S/U.	Must have a contract with an instructor.
MAR	6916	Directed Research	1-19	BA	MKT	PR: GR. M.L., CC. S/U.	
MAR	6936	Selected Topics in Marketing	1-4	BA	MKT	PR: CI.	The content and organization of this course will vary according to the interests of the faculty and students involved in any given term.
MAR	7555	Consumer Behavior Theory	3	BA	MKT	PR: CC.	This course investigates the interrelationships and applications of behavioral science theories, concepts

							and methodologies to problems of understanding group as well as individual behavior in the market place.
MAR	7635	Advanced Marketing Research: Design and Technique	3	BA	MKT	PR: QMB 7565, QMB 7566 or CI.	An intensive study of the theoretical, conceptual, and methodological issues in survey and experimental marketing research. A review and expansion of advanced marketing data analysis methods.
MAR	7667	Marketing Models and Strategy Applications	3	BA	MKT	PR: CC.	A model-building approach to the management of marketing. Includes models developed to aid in the design, implementation, and evaluation of corporate marketing strategies; information systems and marketing audits; and the interrelationships of economic, quantitative, and behavioral disciplines that provide the structure and tools necessary to develop and implement marketing decision support systems.
MAR	7787	Marketing Theory and Thought	3	BA	MKT	PR: GS and CI.	An intensive study of marketing concepts and theories from 1900 to present. Emphasis is placed on the development of theory, as well as predictions of future theoretical developments.
MAR	7910	Independent Study in Marketing	1-3	BA	MKT	PR: CC. S/U.	This course permits a doctoral student to pursue research in a specific area under the direct supervision of a faculty member.
MAR	7930	Advanced Seminar in Marketing	3	BA	MKT	PR: CC.	Broad readings within the field of marketing; an intensive survey and analysis of current marketing problems, their significance, evaluation, and probable outcome; suggestions of possible future empirical research directions and investigations.
MAR	7931	Seminar on Selected Marketing Topics	3	BA	MKT	PR: CC.	Intensive study of the theoretical, conceptual, and methodological issues and problems which impact managerial applications in selected topic areas, such as marketing channels, distribution/logistics, environmental or (social) nonprofit marketing, consumer behavior, advertising/media research, or international marketing.
MAR	7980	Dissertation	2-21	BA	MKT	PR: Successful completion of preliminary	Directed research.

						exams; successful completion of field exam in each major and secondary field; and admission to candidacy for Ph.D. program in marketing.	
MAS	5107	Advanced Linear Algebra	3	AS	MTH	PR: MAS 3105 and MAS 4301 CP: MAS 5311.	Finite-dimensional vector spaces over arbitrary fields, dual spaces, canonical forms for linear transformations, inner product spaces, orthogonal, unitary, and self- ad joint operators and quadratic forms.
MAS	5215	Number Theory	3	AS	MTH	PR: MAS 3105 and MAS 4301, or CI.	Fundamental theorem of arithmetic, modular arithmetic, Chinese remainder theorem, Mersenne primes, perfect numbers, Euler- Fermat theorem, pseudo primes, primitive roots, law of quadratic reciprocity, factorization and primality testing algorithms.
MAS	5311	Algebra I	3	AS	MTH	PR: MAS 3105 and MAS 4301 or CI.	Group theory: Sylow theorems; classification of groups of small order. Ring theory: ideals, quotient rings, polynomial rings, Euclidean domains, principal ideal domains and unique factorization.
MAS	5312	Algebra II	3	AS	MTH	PR: MAS 5311 or CI.	Continuation of MAS 5311. Finitely generated modules over a principal ideal domain, basic field theory, finite fields, Galois theory.
MAT	5932	Selected Topics	1-4	AS	MTH	PR: CI.	Each course covers a single topic outside the usual curriculum.
MAT	6908	Independent Study	1-19	AS	MTH	S/U.	Independent study in which student must have a contract with an instructor.
MAT	6911	Directed Research	1-19	AS	MTH	PR: Master's degree. S/U.	
MAT	6932	Selected Topics	1-4	AS	MTH	PR: CI	Each course covers a single topic outside the usual curriculum.
MAT	6939	Graduate Seminar	1-4	AS	MTH	S/U.	Direction of this seminar is by a faculty member. Students are required to present research papers from the literature.
MAT	6971	Thesis: Master's	2-19	AS	MTH	PR: CI. S/U	
MAT	7912	Directed Research	1-19	AS	MTH	PR: Ph.D. level. S/U.	
MAT	7980	Dissertation:	2-19	AS	MTH	PR: Admission	

		Doctoral				to Candidacy	
MCB	5206	Public Health and Pathogenic Microbiology	3	AS	BIO	PR: MCB 3020C, CI.	A comprehensive survey of pathogenic microbes responsible for disease in man and other animals and the impact of these infectious agents on the public health. These pathogens will be studied with respect to their morphology, cultivation, mechanisms of pathogenicity, laboratory diagnosis, and epidemiology.
MCB	5655	Applied and Environmental Biology	3	AS	BIO	PR: MCB 3020C.	A Study of the applications of microbiology to the food/beverage industry, agriculture, public health and bioremediation. This course is a microbiology elective and has a mandatory field trip.
MCB	5815	Medical Mycology	3	AS	BIO	PR: MCB 3020C or CI.	A modern biological survey of the medically important fungi (yeasts and molds) important to microbiologists and environmental scientists.
MCB	6760	Microbial Symbioses	3	AS	BIO		A detailed study of the diversity and biological significance of symbiotic associations formed by prokaryotic and eukaryotic microbes with higher organisms. Emphasis is on the regulatory interplay between host and symbiont and the factors influencing the initiation, development, and maintenance of these associations.
MCB	6919	Independent Study	1-19	AS	BIO	PR: CI. S/U.	Independent study in which student must have a contract with an instructor.
MCB	6930	Graduate Microbiology Seminar	1	AS	BIO		A critical examination and discussion of current literature of microbiology.
MCB	6971	Thesis: Master's	2-19	AS	BIO	PR: CI. S/U.	
MEL	6705	Computer Assisted Diagnosis for Radiology	3	ME	RAD		Introduction to the development of computer assisted diagnosis methods for radiology. Physics of diagnostic radiology and fundamental analysis of radiographic images. Methods for medical pattern recognition, image processing, display, compression, and transfer. Methods for evaluation and clinical implementation.
MEL	7317	Medical Specialty Sampler	var	ME	MSG		The student will spend one or two half-days per week per discipline in chosen office practice settings. Opportunities are available in rheumatology, infectious disease,

						pulmonary, cardiology, geriatrics, gastroenterology, nephrology and oncology.
MEL	7324	Elective in Dermatopathology	var	ME	MSG	Designed for the student interested in pursuing dermatology residency. Students receive didactic and case-based instruction in dermatopathology, as well as the opportunity to participate in ongoing departmental research.
MEL	7503	Pediatric Ophthalmology	1-20	ME	MSG	This course is designed for students interested in ophthalmology as a career. The student will participate in the pediatric ophthalmology service. The course includes participation in pediatric ophthalmology clinics and observation of surgeries. Attendance at departmental conference will be expected and independent reading and investigation encouraged.
MEL	7509	Glaucoma	1-20	ME	MSG	This course is designed for students interested in Ophthalmology as a career. The student will participate in the glaucoma service. The course includes participation in cornea clinics and observation of glaucoma surgery. Clinical methods used in the diagnosis and treatment of glaucoma will be presented.
MEL	8369	Outpatient Subspecialty Clinics in Internal Medicine	var.	ME	MSG	The student will spend time with a selected medical specialist located primarily in the USF Medical Clinics. The exact mix of experience will be tailored to the student's preference.
MEL	8376	Respiratory Disease Research	var.	ME	MSG	Allergic & immunologic problems affect up to 20% of adults and children in the United States, therefore students rotating in Allergy & Immunology are exposed to a variety of common problems important to physicians regardless of their specialty interests.
MEL	8390	Hepatology Elective	var	ME	MSG	The student may expect to achieve a level of competence in managing common and uncommon disorders of the liver and managing patients with end stage liver disease as well as exposure to the management of liver transplant patients.
MEL	8666	Neuroimmunology Research in		ME	MSG	This elective is designed to teach medical students basic aspects of research in neuroimmunology. By

		Psychiatry					working one on one with each student in the laboratory, the student will experience and learn the finer details of the technical aspects of experimentation.
MEL	8667	Cognitive Medicine, Neuropsychiatry, Neuroscience		ME	MSG		This elective is designed to provide interested senior medical students an intense clinical training and research in the neurosciences and neuropsychiatry.
MEL	8901	Aging, End-of-Life Issues in Literature/Film/Art	var	ME	MSG		The object of this elective is to provide consideration of portrayals of aging and end-of-life issues using humanities tools. Students explore these issues in medical text and clinical experiences, but this course provides a different perspective.
MEL	8902	Medicine and the Arts: NYC Voices and Visions	var.	ME	MSG		This course is designed to introduce students to a broad examination of visions & voices occurring in various forms of the arts. Materials selected for this course emphasize the telling of a story from non-scientific, non-objective perspectives.
MET	6140	Weather, Climate, and Society	3	AS	GPY	PR: Undergraduate general meteorology or CI.	This course explores the societal impacts of weather as well as the human impact on weather and climate. Students lead and participate in discussions
MHF	5306	Mathematical Logic and Foundations I	3	AS	MTH	PR: MAS 4301 or CI.	Two-course sequence covering: predicate calculus and classical model theory; transfinite set theory and the system ZFC; recursion theory and decidability.
MHF	5402	The Early History of Mathematics	3	AS	MTH	PR: MAC 2312	A study of the history and development of mathematics and its cultural impact from the formation of number systems to the Renaissance.
MHF	5405	History of Modern Mathematics	3	AS	MTH	PR: MAC 2313.	Traces the development of mathematical ideas in Western culture. Special emphasis is placed on those concepts which led to the Calculus. This course is open to majors and non-majors alike.
MHF	6307	Mathematical Logic And Foundations II	3	AS	MTH	PR: MHF 5306	Continuation of MHF 5306.
MHS	5020	Foundations of Mental Health Counseling	3	AS	REH	PR: CC.	A skill-building course on the utilization of one's self in mental health counseling relationships. Includes study of the origin, history, professional functions and current issues in the discipline of mental

							health counseling.
MHS	5480	Human Growth and Development	3	AS	REH	PR: RCS 5780, MHS 5020, Majors only.	Human development theory as applied in psychotherapy and case management rehabilitation, mental health, and addiction settings.
MHS	5905	Directed Studies	1-4	ED	EDG		Independent studies on a selected topic.
MHS	6006	Trends and Principles of the Counseling Profession	4	ED	EDG	PR: CI	A study of trends in the counseling profession, its philosophical framework, its scope and functions, its organizations and administration. Introduction to basic skills needed in the counseling relationship.
MHS	6021	Counseling in Community Settings	3	ED	EDG	PR: MHS 6006, MHS 6070, MHS 6200, MHS 6340, MHS 6400, MHS 6420, MHS 6470, MHS 6509, MHS 6700. CR: MHS 6800.	The study of community counseling within the context of health and human service systems including treatment modalities, administration, and fiscal considerations.
MHS	6070	Study of Mental Disorders for Counselors	3	ED	EDG	PR: MHS 6006 or CI.	A study of mental disorders emphasizing recognition of behavioral symptoms so that counselors may apply appropriate helping approaches or refer clients for further diagnosis and treatment.
MHS	6200	Assessment and Appraisal Procedures	4	ED	EDG	PR: MHS 6006.	The study of statistical concepts, assessment instruments and procedures relevant to school and community counseling with an emphasis on standardized test data and the use of an individual case study approach.
MHS	6201	Applied Behavior Analysis in Complex Community Environments	3	FM	MHS		Prepares students to recognize factors that may affect the application of behavior analysis principles within and across community settings and to design intervention plans that fit given characteristics of the social and physical context of these home, school and other community settings.
MHS	6340	Career Development	4	ED	EDG	PR: MHS 6006.	Study of the information service in guidance as it relates to life style and career development. Theories dealing with career planning. Application of educational, vocational, and personal-social information resources to lifelong human development.



MHS	6341	Career Program Design and Evaluation	3	ED	EDG	PR: MHS 6006	Study of the various components of designing, implementing, managing and evaluating effective career programs.
MHS	6400	Counseling Theories and Practices	4	ED	EDG	PR: EDF 6354 and MHS 6006.	This course is the study of the nature of the counseling process with emphasis on major theoretical approaches and related personality theories, development of basic counseling skills and supervised practice.
MHS	6420	Multicultural Counseling with Diverse Populations	3	ED	EDG	PR: MHS 6400.	Counseling strategies applied to diverse populations including the use of school and community resources. Each student will select a specific population group for supervised research.
MHS	6421	Counseling Children	4	ED	EDG	PR: EDF 6354 and MHS 6006.	Nature of the counseling process with an emphasis on major theoretical approaches, supervised practice, and application. Focus on work with elementary age children and consultations with parents, teachers and other professionals.
MHS	6430	Dynamics of Marriage & Family Systems Theory	4	ED	EDG	PR: MHS 6400.	The major theoretical approaches to systems therapy including strategic, structural, contextual, object-relations and Adlerian models are presented. Also included is the investigation of transgenerational problems and symbolic structures in families as they relate to General Systems Theory.
MHS	6431	Family Therapy & Techniques	4	ED	EDG	PR: MHS 6430.	This course concentrates on the theory and application of intervention techniques to family systems. Structured experiences include interviewing, assessing, making therapeutic interventions, observing family interaction, and developing basic aspects in treating families.
MHS	6432	Marriage Therapy	4	ED	EDG	PR: MHS 6430.	A study of the marriage relationship with emphasis on issues of premarital, marital, divorce, intimacy, and conflict management. Course activities introduce students to a wide variety of therapy procedures and intervention strategies.
MHS	6450	Counseling Substance Abuse in School and	4	ED	EDG	PR: MHS 6400.	This course prepares counselors to work with substance abuse issues, including prevention, in schools and community out-patient settings.

		Community					Includes counseling and program approaches found to be effective in addressing substance abuse.
MHS	6470	Human Sexuality Issues for Counselors	4	ED	EDG	PR: MHS 6400.	Emphases include exploration of various dimensions of human sexuality; dynamics of major individual and societal sexuality issues; theoretical approaches to counseling related to sexuality issues.
MHS	6509	Group Counseling Theories and Practices	4	ED	EDG	PR: MHS 6400.	An experiential study of group structure, group dynamics, methodology, and leadership models applicable to counseling clients in school and community settings. Includes skill building through supervised practice.
MHS	6601	Consultation for the Counseling Profession	3	ED	EDG	PR: MHS 6400 and MHS 6006. Non-majors need instructor's approval.	A study of consultation theory and practice as used by counselors working in schools and mental health facilities, particularly with educators, other professionals, and parents, individually and in groups.
MHS	6620	Counseling in Community Setting	3	ED	EDG		Study of community counseling within the context of health and human service systems including treatment modalities, administration, and fiscal considerations.
MHS	6700	Legal and Ethical Issues in the Counseling Profession	3	ED	EDG	PR: MHS 6006.	Study of legal, ethical and related issues affecting the role and responsibilities of counselors in schools and mental health facilities.
MHS	6800	Practicum in Counseling Adolescents and Adults	4	ED	EDG	PR: MHS 6400. S/U. DPR.	Supervised counseling for integration and application of knowledge and skills gained in didactic study.
MHS	6885	Internship in Community Agency Counseling	3	ED	EDG		Field experience involving one semester of full-time participation in the counseling and related activities of a public or private agency providing mental health services to the community.
MHS	6900	Special Topics in Planning, Evaluation and Accountability	1-3	FM	MHS		This course will address selected special topics. Prerequisite is at least three credits in research and evaluation courses at the graduate level.
MHS	6905	Individual Study	1-4	ED	EDG	PR: DPR.	Independent study, research, and experience relating to professional counseling under the supervision of a member of the Counselor Education

							faculty.
MHS	6906	Independent Study in Behavior Analysis Applications in Community Settings	1-6	ED	EDG	PR: Program approval required - FAO 126.	Independent study in behavior analysis provides students opportunities to focus on special areas of study under a contractual agreement with a faculty member.
MHS	6930	Seminar In Guidance	1-2	ED	EDG	PR or CR:MHS 6006, DPR. S/U.	Significant issues in the field of counseling; topics will vary as needs and developments within the practice of the profession are identified.
MHS	6938	Applied Behavior Analysis in Community Settings	1-4	ED	EDG		Addresses selected topics in behavior analysis applications in complex community environments through lecture, class discussion, and supervised special projects.
MHS	6940	Practicum in Behavior Analysis in Community Settings	2-4	ED	EDG	PR: Program approval required - FAO 126.	Supervised field work in the application of behavior analysis to children, adults and/or their families in complex community environments, including home, school, employment and neighborhood settings.
MHS	6970	Thesis: Masters/Educational Specialist	2-19	ED	EDG	S/U. MA/EdS Candidates only.	
MHS	6971	Thesis in Applied Behavior Analysis	2-6	ED	EDG	PR: Program approval required - FAO 126.	The Thesis credits will provide students the opportunity to conduct independent applied behavior analysis single subject experimental design studies, or special research projects related to applications in community settings.
MHS	7401	Advanced Counseling: Theories and Practicum	4	ED	EDG	PR: CI.	Advanced study of major counseling theories and their application in therapeutic work with individual clients and with groups in a variety of settings. Supervised practice in individual and group counseling with emphasis on integration of theory and practice.
MHS	7610	Supervision: Theories and Practicum	4	ED	EDG	PR: CI.	Theory and methodology of consultation; the role of the counseling professional as consultant and as a supervisor of counselor trainees and counseling practitioners. Practice learning experiences in consulting and supervision under faculty direction.
MHS	7740	Survey Course in	3	ED	EDG	PR: Masters in field related to	This introductory course is designed to provide a comprehensive

		Planning, Evaluation and Accountability				human services or at least 16 credits toward a masters degree.	overview of planning, evaluation and accountability methods within a systems context. Emphasis is placed on a broad range of quantitative and qualitative methods.
MHS	7930	Advanced Seminar in Counselor Education	2	ED	EDG	PR: DPR. S/U.	Seminar for advanced graduate students in counselor education. Issues and trends in professional counseling will be addressed.
MHS	7980	Dissertation	2-30	ED	EDG	PR: Admission to Candidacy.	
MM C	6206	Mass Communications Ethics	3	AS	COM	PR: GS in Mass Communication s or CI.	An introduction to fundamental ethical principles and an application of those principles to a variety of situations in journalism, broadcasting, advertising, and public relations.
MM C	6306	International Communications Seminar	3	AS	COM	PR: CC.	Mass communications as national and international systems; flow of the news, international news communications networks; satellite communications; overseas activities of American media interest; international propaganda; communication and national development; international media organizations and their activities.
MM C	6401	Mass Communication Theory	3	AS	COM	PR: CC.	The study of mass communication theories, structures, influences, and their relationships to institutions in American society.
MM C	6421	Research Methods in Mass Communications	3	AS	COM	PR: CC.	The theory and practice of quantitative, historical, and critical research methods, and their applications to the study of mass communications. Emphasis in quantitative methods on experimental and survey research, statistical analysis, and evaluation of data.
MM C	6608	Public Opinion and the Mass Media	3	AS	COM	PR: CC.	The influence of public opinion on private and public institutions in a democratic society and the role of the mass media in opinion formation. The nature of persuasion in establishing or modifying public opinion, and perspectives on the social responsibilities of communications.
MM C	6612	Seminar: Law and the Mass Media	3	AS	COM	PR: CC.	Interrelationships of the media and government at the judicial, executive, and legislative levels. Focus is on legal limitations and privileges of the media; theory and

							philosophy of the First Amendment; research procedures in court and administrative agency documents.
MM C	6900	Directed Reading in Mass Communications	1-3	AS	COM	PR: CI and permission of graduate advisor. S/U.	Readings in specialized areas of mass communications as agreed to by the instructor and the student by contract.
MM C	6910	Individual Research in Mass Communications	1-3	AS	COM	PR: CI and permission of graduate advisor. S/U.	Independent study in which the student must have a contract with the instructor to study an area not covered by other courses in the graduate curriculum.
MM C	6920	Introductory Mass Communications Seminar	3	AS	COM	PR: CC.	Introduction to the aims and methodologies of graduate study in mass communications, its development and relationship to the arts and sciences, and the relationship of the scholarly aspects of media studies to professional media practice; bibliographical resources, and overview of research methods and scholarly style.
MM C	6936	Selected Topics in Mass Communications	3	AS	COM	PR: CC.	Courses designed to meet current, specific topics of interest to students and instructors.
MM C	6945	Professional Practicum	3	AS	COM	PR: 12 graduate hours in mass communications and CC. S/U.	Practicum will consist of placement with a media-related organization selected by the student and approved and supervised by the graduate advisor.
MM C	6950	Non-Thesis Project	3	AS	COM	PR: CI and permission of graduate advisor. S/U.	Completion of a major project under supervision. Topic will be selected according to student's needs and interests.
MM C	6971	Thesis: Master's	2-3	AS	COM	PR: CI and permission of graduate advisor. S/U. Students must take minimum of 6 hours.	
MTG	5256	Differential Geometry	3	AS	MTH	PR: MAA 4211, MAS 3105.	Exterior calculus, differentiable manifolds, integration of differential forms, surfaces in 3-space, covariant derivative, curvature, matrix groups.
MTG	5316	Topology I	3	AS	MTH	PR: MAA 4211.	Topological spaces, continuity, homeomorphisms, connectedness, compact spaces, separation axioms, product spaces.
MTG	5317	Topology II	3	AS	MTH	PR: MTG 5316.	The fundamental group; elements of homotopy theory and homology

							theory.
MUC	5625	Jazz Composition	2	VP	MUS	PR: CI. Required of all composition majors.	Private instruction in original composition.
MUC	6251	Composition	4	VP	MUS	PR: DPR.	Private instruction in original composition. Required of composition majors.
MUC	6444	Electronic Music/Analog/Digital Systems Research I	3	VP	MUS	PR: DPR.	State-of-the-art compositional and performance applications; new concepts of electronic music synthesis; documentation and critical analysis of new repertory.
MUC	6445	Electronic Music/Analog/Digital Systems Research II	3	VP	MUS	PR: DPR.	State-of-the-art compositional and performance applications; new concepts of electronic music synthesis; documentation and critical analysis of new repertory.
MUC	6625	Seminar In Jazz Compositional Styles	2	VP	MUS	PR: DPR.	A seminar study of the major compositional figures in jazz. Oriented toward the continuing development of students' own writing ability.
MUC	6626	Jazz Composition	4	VP	MUS	PR: CI. Required of all composition majors.	Private instruction in original composition.
MUE	6080	Foundations And Principles Of Music Education	3	VP	MUS	PR: Acceptance into Music Education Graduate Program or DPR.	Investigation of historical, philosophical, and psychological foundations of music education.
MUE	6116	Advanced Techniques and Research in Elementary School Music	3	VP	MUS	PR: Acceptance in the Music Education Graduate Program or DPR.	Study and appraisal of children's musical growth, curriculum plans, materials, and teaching techniques essential for the sequential development of musical learning.
MUE	6336	Advanced Techniques and Research in Vocal/Choral Music Education	3	VP	MUS	PR: Acceptance in the Music Education Graduate Program or DPR.	Course provides for graduate students in music education the opportunity to examine current research related to the teaching of secondary school vocal music, evaluate curricula, music materials, and teaching methods that will enable them to develop a vocal music program that emphasizes musical sensitivity.
MUE	6347	Advanced Techniques and Research in Instrumental	3	VP	MUS	PR: Acceptance in the Music Education Graduate Program or	Course designed to examine published and unpublished materials, develop curricula and resources, including media hardware, appropriate for use in school

		Music Education				DPR.	instrumental music programs.
MUE	6648	Techniques and Research in Alternate Music Education Methods	3	VP	MUS	PR: MUS 6520	An examination on new and innovative models of music instruction including ( but not limited to): composition courses; high school general music formats; general arts structures; and, alternative performing ensembles.
MUE	6906	Independent Study: Music Education	1-6	VP	MUS	S/U. DPR.	Independent study in which students must have a contract with an instructor.
MUE	6942	Graduate Internship in Music Education	6	VP	MUS		This course is designed to provide the student teaching experience for music education graduate students pursuing an MA - Plan II, leading to certification.
MUE	6971	Thesis: Masters/Eds	2-19	VP	MUS	PR: DPR.	
MUE	7815	Foundations Of Musical Learning And Teaching	3	VP	MUS	PR: Acceptance in the Music Education Graduate Program, a graduate level educational psychology course or its equivalent, or DPR.	A critical examination of current findings regarding the phenomena of the psychology of musical behaviors including the investigation of musical acoustics, the measurement of musical abilities, and a comparative study of theories of learning related to musical learning.
MUE	7835	Philosophical Issues in Music Education	3	VP	MUS	PR: Acceptance in the Music Education Graduate Program or CI.	A course design to investigate the nature of philosophical issues as they pertain to music education theory and practice.
MUE	7937	Special Topics in Music Education	3	VP	MUS	PR: Dept. Approval Required	This course will provide an opportunity to examine selected topics in the research of choral, instrumental, general, and alternative music instruction models.
MUE	7939	Doctoral Seminar in Music Education Research	1-2	VP	MUS	PR: Admisison to Ph.D. Program	Examination of theory and research in music education. Current research in music teaching and learning presented by faculty abd guests. Students develop their dissertation topics, preliminary review of literature, and present their research proposals. May be repeated 4 times for up to 6 credits. S/U Grading
MUE	7980	Dissertation	2-19	VP	MUS	PR: Admitted to Candidacy. S/U. DPR.	
MUE	7990	Doctoral Seminar on	3	VP	MUS	PR: Dept. Approval	The course will examine issues germane to the ways and contexts

		Music in Higher Education				Required	(liberal arts college, land grant college, research university, conservatory) in which music functions as a discipline in American higher education. It will trace its roots from the medieval European university (in the quadrivium) to the present. It also will speak to a range of contemporary issues, including but not limited to rank, promotion, tenure, creative activities as a research endeavor, accreditation, curricular innovation, etc.
MU G	6256	Choral Literature And Conducting I	4	VP	MUS	PR: DPR.	Combination of seminar, classroom, and laboratory types of experience designed to provide depth in stylistic study of choral music literature and performance.
MU G	6257	Choral Literature And Conducting II	4	VP	MUS	PR: DPR.	Combination of seminar, classroom, and laboratory types of experience designed to provide depth in stylistic study of choral music literature and performance.
MU G	6258	Choral Literature And Conducting III	4	VP	MUS	PR: DPR.	Combination of seminar, classroom, and laboratory types of experience designed to provide depth in stylistic study of choral music literature and performance.
MU G	6307	Band/Wind Ensemble Conducting	3	VP	MUS	PR: DPR.	Combination of lecture, seminar, laboratory and individual instruction experiences designed to provide development of advanced conducting skills.
MU G	6930	Advanced Choral Techniques	3	VP	MUS	PR: DPR.	Study designed to provide rehearsal techniques, methods, and resources for the choral conductor. When possible, the choral faculty will present this course in a team-teaching fashion.
MUL	6205	Advanced Choral Conducting	2	VP	MUS	PR: Dept. Approval Required.	Combination of private study and laboratory experiences designed to teach conducting technique and rehearsal skills while encouraging leadership qualities in the choral conductor.
MUL	6375	Twentieth Century Music Literature	3	VP	MUS	PR: DPR.	A study of the literature, compositional techniques, and music philosophies of the major 20th century composers from Debussy to the present.
MUL	6410	Keyboard Repertory I	2	VP	MUS	PR: DPR.	A study of style, history, and performance practice in keyboard repertory including masterworks of all periods.



MUL	6411	Keyboard Repertory II	2	VP	MUS	PR: DPR.	A study of style, history, and performance practice in keyboard repertory including masterworks of all periods.
MUL	6505	Symphonic Literature	2	VP	MUS	PR: DPR.	A chronological study of the development of orchestral music; analysis and study of major works from a stylistic and biographical perspective.
MUL	6555	Band/Wind Ensemble Literature	3	VP	MUS	PR: DPR.	Combination of seminar and classroom experiences designed to provide depth in historical study of band and wind ensemble literature. Rpt. Up to 9 hrs.
MUL	6565	Chamber Music Literature	2	VP	MUS	PR: DPR.	A survey and stylistic analysis of chamber music repertory from 1750 through the present day.
MUL	6624	Song Literature I	2	VP	MUS	PR: DPR.	Solo song literature from the 17th century through the contemporary with emphasis on German lieder, French songs, and contemporary English and American songs; special emphasis on performance.
MUL	6625	Song Literature II	2	VP	MUS	PR: DPR.	Solo song literature from the 17th century through the contemporary with emphasis on German lieder, French songs, and contemporary English and American songs; special emphasis on performance.
MUL	6655	Choral Literature 1500-1800	3	VP	MUS	PR: Dept. Approval Required.	A study and analysis of choral music from 1500-1800.
MUL	6656	Choral Literature 1800-present	3	VP	MUS	PR: Dept. Approval Required.	A study and analysis of choral music from 1800-present.
MUL	6671	Opera Literature	2	VP	MUS	PR: DPR.	A chronological study of the development of opera from 1600 to the present; emphasis on the technical, stylistic, and performance aspects of opera.
MUL	6687	Solo Vocal Literature In Oratorio	2	VP	MUS	PR: DPR.	A survey of literature for the solo voice in cantatas and orchestral music.
MUN	6145	Wind Ensemble	1	VP	MUS	PR: DPR.	Open to all university students with the necessary proficiency in their performing media; study and performance of music for large combination of voices, string, woodwind, brass or percussion instruments.
MUN	6215	University Orchestra	1	VP	MUS	PR: DPR.	Open to all university students with the necessary proficiency in their performing media; study and performance of music for large

							combination of voices, string, woodwind, brass or percussion instruments.
MU N	6315	University Singers	1	VP	MUS	PR: DPR.	Open to all university students with the necessary proficiency in their performing media; study and performance of music for large combination of voices, string, woodwind, brass or percussion instruments.
MU N	6345	Chamber Singers	1	VP	MUS	PR: DPR.	Open to all university graduate students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass or percussion instruments, and piano.
MU N	6385	University-Community Chorus	1	VP	MUS	PR: DPR.	Open to all university students with the necessary proficiency in their performing media; study and performance of music for large combination of voices, string, woodwind, brass or percussion instruments.
MU N	6416	String Quartet	1	VP	MUS	PR: DPR.	Open to all university graduate students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass or percussion instruments, and piano.
MU N	6429	Woodwind Quintet	1	VP	MUS	PR: DPR.	Open to all university graduate students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass or percussion instruments, and piano.
MU N	6435	Brass Choir	1	VP	MUS	PR: DPR.	Open to all university graduate students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass or percussion instruments, and piano.
MU N	6436	Brass Quintet	1	VP	MUS	PR: DPR.	Open to all university graduate students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass or percussion instruments, and piano.
MU N	6437	Horn Quartet	1	VP	MUS	PR: DPR.	Open to all university graduate students with the necessary

							proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass or percussion instruments, and piano.
MU N	6445	Percussion Ensemble	1	VP	MUS	PR: DPR.	Open to all university graduate students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass or percussion instruments, and piano.
MU N	6446	Marimba Ensemble	1	VP	MUS	PR: DPR.	Open to all university graduate students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass or percussion instruments, and piano.
MU N	6455	Piano Ensemble	1	VP	MUS	PR: DPR.	Open to all university students with the necessary proficiency in their performing media; study and performance of music for large combination of voices, string, woodwind, brass or percussion instruments.
MU N	6456	Piano Ensemble	1	VP	MUS	PR: DPR.	Open to all university students with the necessary proficiency in their performing media; study and performance of music for large combination of voices, string, woodwind, brass or percussion instruments.
MU N	6477	Collegium Musicum	1	VP	MUS	PR: DPR.	Open to all university graduate students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass or percussion instruments, and piano.
MU N	6715	Jazz Ensemble	1	VP	MUS	PR: DPR.	Open to all university students with the necessary proficiency in their performing media; study and performance of music for large combination of voices, string, woodwind, brass or percussion instruments.
MU N	6716	Jazz Chamber Ensemble	1	VP	MUS	PR: DPR.	Open to all university graduate students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass or percussion instruments, and piano.

MU O	6505	Opera Workshop	1	VP	MUS	PR: DPR.	Open to all university students with the necessary proficiency in their performing media; study and performance of music for large combination of voices, string, woodwind, brass or percussion instruments.
MUS	5905	Directed Study	1-4	VP	MUS	PR: DPR.	Independent studies in the various areas of music; course of study and credits must be assigned prior to registration.
MUS	6520	Computer Applications in Music Education	3	VP	MUS		An examination of the teaching and learning processes in music as they are affected by music technology. Through the course, students will explore a variety of music software types and investigate the potential role of technology in music education.
MUS	6793	Techniques Of Research In Music And Music Education	3	VP	MUS	PR: DPR.	A study of the methods of research and professional bibliography and with an individual, formal project as a terminal requirement.
MUS	6906	Independent Study	1-19	VP	MUS	PR: DPR,S/U.	Independent study in which student must have a contract with an instructor.
MUS	6910	Directed Research	1-19	VP	MUS	PR: GR. ML, DPR, S/U.	
MUS	6971	Thesis: Master's	2-19	VP	MUS	PR: DPR, S/U	
MUS	6976	Graduate Recital	2	VP	MUS	PR: DPR	
MUT	5051	Graduate Review Of Music Theory	2	VP	MUS	PR: DPR.	A graduate level review of basic theoretical concepts with emphasis on the common practice period. The course serves to satisfy deficiencies in music theory and does not count toward the graduate degree requirements.
MUT	6545	Analysis of 18th and 19th Century Music	3	VP	MUS	PR: CI.	An in-depth examination of the music of the 18th and 19th centuries. Students provide detailed analyses of selected works and read appropriate scholarly writings. Additional activities may include in-class presentations and a research paper.
MUT	6586	Critical Analysis- History	2	VP	MUS	PR: DPR.	A study of historical developments of music in western civilization. Emphasis on a different historical period each semester, from the Middle Ages through the Romantic Period.
MUT	6626	Analysis of	3	VP	MUS	PR: CI.	An in-depth examination of

		Twentieth Century Music					representative works. Students will learn analytical techniques such as set theory and 12-tons techniques, read scholarly articles, give in-class presentations, and write a research paper to gain an understanding of the theoretical and musical trends of the 20th-century.
MUT	6627	Schenkerian Analysis	3	VP	MUS		A study in theories and analytical methods developed by German theorist Heinrich Schenker. Students are expected to demonstrate their knowledge of these theoretical concepts by analyzing relevant literature, investigating scholarly articles, giving class presentations, and writing a research paper.
MUT	6665	Seminar Jazz Styles And Analysis	2	VP	MUS	PR: DPR.	A studio course study of the improvised solos of the major innovators in jazz. Oriented toward the continuing development of students' soloing ability.
MUT	6751	Teaching of Music Theory	3	VP	MUS	PR: DPR.	Comparative study of teaching, techniques, procedures, and materials used in teaching visual and aural theory.
MUT	6760	History of Music Theory	3	VP	MUS	PR: DPR.	Evolutionary history of the materials of western music including tuning systems, scales, models, tonality, rhythm, counterpoint and harmony; also the exploration of treatises and theorists contributing to the evolution.
MVB	5251	Applied Trumpet	2	VP	MUS	PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement.	Private and class instruction.
MVB	5252	Applied French Horn	2	VP	MUS	PR: DPR. Open to senior and advanced undergraduate students who	Private and class instruction.

						have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement.	
MVB	5253	Applied Trombone	2	VP	MUS	PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement.	Private and class instruction.
MVB	5254	Applied Euphonium	2	VP	MUS	PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement.	Private and class instruction.
MVB	5255	Applied Tuba	2	VP	MUS	PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and	Private and class instruction.

						students who have a secondary applied music requirement.	
MVB	6451	Applied Trumpet	4	VP	MUS	PR: DPR. Necessary competency determined by faculty jury audition. Required registration in major performance ensemble.	Required of all applied music majors. Private and class instruction.
MVB	6452	Applied French Horn	4	VP	MUS	PR: DPR. Necessary competency determined by faculty jury audition. Required registration in major performance ensemble.	Required of all applied music majors. Private and class instruction.
MVB	6453	Applied Trombone	4	VP	MUS	PR: DPR. Necessary competency determined by faculty jury audition. Required registration in major performance ensemble.	Required of all applied music majors. Private and class instruction.
MVB	6454	Applied Euphonium	4	VP	MUS	PR: DPR. Necessary competency determined by faculty jury audition. Required registration in major performance ensemble.	Required of all applied music majors. Private and class instruction.
MVB	6455	Applied Tuba	4	VP	MUS	PR: DPR. Necessary competency determined by faculty jury	Required of all applied music majors. Private and class instruction.

						audition. Required registration in major performance ensemble.	
MVJ	5250	Applied Jazz Piano Secondary	2	VP	MUS	PR: Necessary competency determined by faculty jury audition. Required of all applied music majors. Required registration in major performance ensemble.	Private and class instruction.
MVJ	5252	Applied Jazz Bass Secondary	2	VP	MUS	PR: Necessary competency determined by faculty jury audition. Required of all applied music majors. Required registration in major performance ensemble.	Private and class instruction.
MVJ	5253	Applied Jazz Guitar Secondary	2	VP	MUS	PR: Necessary competency determined by faculty jury audition. Required of all applied music majors. Required registration in major performance ensemble.	Private and class instruction.
MVJ	5254	Applied Jazz Bass Secondary	2	VP	MUS	PR: Necessary competency determined by faculty jury audition. Required of all applied music majors. Required	Private and class instruction.



						registration in major performance ensemble.	
MVJ	5259	Applied Jazz Percussion Secondary	2	VP	MUS	PR: Necessary competency determined by faculty jury audition. Required of all applied music majors. Required registration in major performance ensemble.	Private and class instruction.
MVJ	5951	Applied Jazz Performance	2	VP	MUS	PR: Necessary competency determined by faculty jury audition. Required of all applied music majors. Required registration in major performance ensemble.	Private and class instruction.
MVJ	6460	Applied Jazz Piano Major	4	VP	MUS	PR: Necessary competency determined by faculty jury audition. Required of all applied music majors. Required registration in major performance ensemble.	Private and class instruction.
MVJ	6463	Applied Jazz Guitar	4	VP	MUS	PR: Necessary competency determined by faculty jury audition. Required of all applied music majors. Required registration in major	Private and class instruction.

						performance ensemble.	
MVJ	6464	Applied Jazz Bass	4	VP	MUS	PR: Necessary competency determined by faculty jury audition. Required of all applied music majors. Required registration in major performance ensemble.	Private and class instruction.
MVJ	6469	Applied Jazz Percussion	4	VP	MUS	PR: Necessary competency determined by faculty jury audition. Required of all applied music majors. Required registration in major performance ensemble.	Private and class instruction.
MVJ	6952	Applied Jazz Performance	4	VP	MUS	PR: Necessary competency determined by faculty jury audition. Required of all applied music majors. Required registration in major performance ensemble.	Private and class instruction.
MV K	5251	Applied Piano	2	VP	MUS	PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a	Private and class instruction.

						secondary applied music requirement.	
MV K	6451	Applied Piano	4	VP	MUS	PR: DPR. Necessary competency determined by faculty jury audition. Required registration in major performance ensemble.	Required of all applied music majors. Private and class instruction.
MV K	6650	Graduate Piano Pedagogy I	2	VP	MUS	PR: GS in performance and DPR	Emphasis on techniques used in teaching the individual student in performance.
MV K	6651	Graduate Piano Pedagogy II	2	VP	MUS	PR: GS in performance and DPR	Emphasis on techniques used in teaching the individual student in performance.
MVP	5251	Applied Percussion, Secondary	2	VP	MUS	PR: DPR. Necessary competency determined by faculty jury audition. Required registration in major performance ensemble.	Required of all applied music majors. Private and class instruction.
MVP	6451	Applied Percussion	4	VP	MUS	PR: DPR. Necessary competency determined by faculty jury audition. Required registration in major performance ensemble.	Required of all applied music majors. Private and class instruction.
MVS	5251	Applied Violin	2	VP	MUS	PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who	Private and class instruction.

						have a secondary applied music requirement.	
MVS	5252	Applied Viola	2	VP	MUS	PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement.	Private and class instruction.
MVS	5253	Applied Cello	2	VP	MUS	PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement.	Private and class instruction.
MVS	5254	Applied Double Bass	2	VP	MUS	PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement.	Private and class instruction.
MVS	6451	Applied Violin	4	VP	MUS	PR: DPR. Necessary	Required of all applied music majors. Private and class instruction.

						competency determined by faculty jury audition. Required registration in major performance ensemble.	
MVS	6452	Applied Viola	4	VP	MUS	PR: DPR. Necessary competency determined by faculty jury audition. Required registration in major performance ensemble.	Required of all applied music majors. Private and class instruction.
MVS	6453	Applied Violoncello	4	VP	MUS	PR: DPR. Necessary competency determined by faculty jury audition. Required registration in major performance ensemble.	Required of all applied music majors. Private and class instruction.
MVS	6454	Applied Double Bass	4	VP	MUS	PR: DPR. Necessary competency determined by faculty jury audition. Required registration in major performance ensemble.	Required of all applied music majors. Private and class instruction.
MV V	5251	Applied Voice	2	VP	MUS	PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who	Private and class instruction.

						have a secondary applied music requirement.	
MV V	6451	Applied Voice	4	VP	MUS	PR: DPR. Necessary competency determined by faculty jury audition. Required registration in major performance ensemble.	Required of all applied music majors. Private and class instruction.
MV W	5251	Applied Flute	2	VP	MUS	PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement.	Private and class instruction.
MV W	5252	Applied Oboe	2	VP	MUS	PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement.	Private and class instruction.
MV W	5253	Applied Clarinet	2	VP	MUS	PR: DPR. Open to senior and advanced undergraduate students who have completed recital	Private and class instruction.

						requirements, special non-degree seeking students, and students who have a secondary applied music requirement.	
MV W	5254	Applied Bassoon	2	VP	MUS	PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement.	Private and class instruction.
MV W	5255	Applied Saxophone	2	VP	MUS	PR: DPR. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement.	Private and class instruction.
MV W	6451	Applied Flute	4	VP	MUS	PR: DPR. Necessary competency determined by faculty jury audition. Required registration in major performance ensemble.	Required of all applied music majors. Private and class instruction.
MV W	6452	Applied Oboe	4	VP	MUS	PR: DPR. Necessary	Required of all applied music majors. Private and class instruction.

						competency determined by faculty jury audition. Required registration in major performance ensemble.	
MV W	6453	Applied Clarinet	4	VP	MUS	PR: DPR. Necessary competency determined by faculty jury audition. Required registration in major performance ensemble.	Required of all applied music majors. Private and class instruction.
MV W	6454	Applied Bassoon	4	VP	MUS	PR: DPR. Necessary competency determined by faculty jury audition. Required registration in major performance ensemble.	Required of all applied music majors. Private and class instruction.
MV W	6455	Applied Saxophone	4	VP	MUS	PR: DPR. Necessary competency determined by faculty jury audition. Required registration in major performance ensemble.	Required of all applied music majors. Private and class instruction.
NGR	5871	Informatics in Nursing and Healthcare	3	NU	NUR	PR: CI.	Foundations course with emphasis on essential content and applications in healthcare informatics and clinical systems. Provides understanding of the interdisciplinary issues in medical and nursing informatics and a foundation for those seeking expertise in healthcare informatics. Focus on technologies in healthcare, nomenclatures and classification systems, health care documentation, electronic medical records, and web-



							based technologies for healthcare.
NGR	6001	Health Assessment in Advanced Practice	3	NU	NUR		An advanced history and physical examination course designed to increase students' competency in obtaining and recording systematic, integrated histories and physical examinations. The course covers examination across the human life span.
NGR	6042	Advanced Health Assessment for the Older Adult	1	NU	NUR		Focus on advanced history and physical examination skills with older adults.
NGR	6054	Cancer Biology I	4	NU	NUR		An introduction to the basics of molecular oncology. Topics will include cytoplasmic and nuclear oncogenes, cell cycle control, apoptosis, tumor suppressor genes and cancer drug discovery.
NGR	6055	Cancer Biology II	4	NU	NUR		A continuation of Cancer Biology I. Topics will include a comprehensive review of immunology as it relates to cancer and modern methods of cancer treatment.
NGR	6056	Cancer Research Techniques	4	NU	NUR		An introduction to modern core research facilities and methodologies used in cancer research.
NGR	6057	Current Topics in Oncology	2	NU	NUR		Renowned speakers from outside the USF Community will give weekly seminars on topics in oncology. Participants will meet weekly with the speakers and discuss the current state of the art.
NGR	6080	Family and Population-Based Health Promotion	3	NU	NUR	PR: NGR 6121; CI.	Focuses on the assessment of family and population groups for the purpose of planning, implementing, and evaluating nursing interventions for health promotion, health maintenance, and disease and injury prevention.
NGR	6096	Oncology Nursing Concepts	3	NU	NUR	CI.	Provides advanced oncology nursing content with a focus on nursing management of physical problems resulting from cancer and its treatment. (CI)
NGR	6121	Theoretical Foundations and Professional Role Development	3	NU	NUR	CI.	Examination of knowledge development in nursing science, critique and evaluation of theories from nursing and related fields. Professional role development is emphasized to facilitate transition into advanced nursing practice roles.
NGR	6135	Ethical,	3	NU	NUR	CI.	Primary emphases on contemporary

		Legal, and Policy Issues in Advanced Nursing Practice					ethical, legal, and policy issues related to advanced nursing practice and health care delivery. Issues are analyzed at the global, national, and local levels. Nursing's role in agenda setting and strategies for health care reform are presented.
NGR	6140	Pathophysiology for Advanced Practice	3	NU	NUR	CI.	Central concepts of pathophysiology: cells and tissues and organs and systems. Provides essential knowledge base in pathophysiology across the life span for advanced nurse practitioners.
NGR	6142	Pathobiology Of Neoplasia	3	NU	NUR	CI.	Emphasizes basic concepts of cellular differentiation and the abnormal cytological changes occurring in the pathogenesis of Neoplasia. Also emphasized is the role of the advanced practice nurse in relation to the role of the immune system and diet in oncogenesis, and the epidemiology and pathology of specific types of cancers.
NGR	6143	Pathophysiologic Concepts in Acute Care Nursing	3	NU	NUR	PR: NGR 6140; NGR 6121; CI.	This course will explore pathophysiologic mechanisms of the major body systems in critically ill patients across the lifespan.
NGR	6175	GeroPharmacology for Advanced Nurse Practitioners	1	NU	NUR		Focus on pharmacokinetic and pharmacodynamic changes unique to the elderly along with the potential adverse drug effects and factors that affect therapeutic decision-making.
NGR	6194	Substance Abuse Across the Lifespan	3	NU	NUR		this course introduces the student to concepts of substance abuse and theories of addiction. The applicability of theories and concepts to clinical assessment, diagnosis and intervention with coient populations across the lifespan is explored.
NGR	6196	Managing Healthcare Resources	3	NU	NUR	PR: CI.	Managing human and financial resources to achieve quality outcome and enhance health care services. Focus on quantifying processes of care and outcomes and on the continuous improvement of quality in health care program delivery.
NGR	6197	Nursing Interventions into the Effects of Drug and Alcohol Abuse	2	NU	NUR		Focuses on the assessment and treatment of individuals and families who are in the acute phase of addiction. Emphasis will be placed on treatment outcomes for designated populations with consideration for cultural,

							socioeconomic, political, and legal/ethical factors.
NGR	6198	Nursing Interventions in the Rehabilitation of Clients with Drug or Alcohol Abuse	2	NU	NUR		Focuses on models of treatment and interventions for clients and families who are in the rehabilitation and maintenance phases of substance abuse. Emphasis will be placed on rehabilitation outcomes for designated populations with consideration for cultural, socioeconomic, political and legal/ethical factors.
NGR	6199	Pharmacology for Advanced Practice	3	NU	NUR		Pharmacotherapeutics for the advanced practice nurse. Focus on pharmacokinetics, therapeutic and adverse effects, drug interactions, and evidence-based prescribing guidelines.
NGR	6205	Primary Care Practicum: Adolescents and Women	2-3	NU	NUR	PR: NGR 6001, NGR 6140, NGR 6199.	Focus on the primary care of adolescents and women. Health promotion, maintenance and the assessment and management of common illness as well as developmental and high-risk behaviors, episodic problems, and childbearing assessment will be included.
NGR	6205L	Primary Care Practicum: Adolescents and Women	2-3	NU	NUR	PR: NGR 6001, NGR 6140, NGR 6199.	Focus on application of the knowledge gained in the classroom in Primary Care: Adolescents and Women to this patient/client population. Health screening and management of commonly presenting health problems will structure the clinical experiences of this course.
NGR	6207	Primary Care: Adults	3	NU	NUR	PR: NGR 6001, NGR 6140, NGR 6199.	Focus on the adult patient/client from mid-life to old age related to health promotion, maintenance and prevention of diseases. Including assessment and management of episodic and chronic illness for these individuals in primary care settings including culturally diverse and vulnerable populations.
NGR	6207L	Primary Care Practicum: Adults	2-3	NU	NUR	PR: NGR 6001, NGR 6140, NGR 6199. CR: NGR 6207.	Focus on application of the knowledge gained in the classroom in Primary Care: Adults to the patient/client population between mid-life and older adult. Health screening and management of commonly presenting health problems will structure the clinical experience of this course.

NGR	6212L	Advanced Practicum in Adult Health	1-9	NU	NUR	PR: NGR 6204, or NGR 6206; CI.	Clinical experiences in advanced adult health nursing practice focusing on application of theoretical and conceptual knowledge relative to adults, 13 years of age and older. Minimum 6 hours required (1:6 ratio).
NGR	6232	Selected Concepts in the Acutely Ill Adult	3	NU	NUR	PR: NGR 6140.	This course analyzes the multiple needs of the critically ill adult. Focuses on age specific critically ill population. Examines the response to the experience of critical illness.
NGR	6243	Clinical Management of the Acutely Ill Adult	3	NU	NUR	PR: NGR 6001, NGR 6143, CI.	Focuses on advanced therapeutics and clinical management of selected acute health problems of adults. Diagnostic reasoning and intervention strategies are emphasized.
NGR	6253L	Gerontology Nursing Practicum I	3-4	NU	NUR		
NGR	6255	Primary Care of Older Adults	3	NU	NUR	PR: NGR 6001, NGR 6140, CI.	Emphasis on functional ability of the older adult, normal biological aging, changes, developmental tasks, psychosocial, cultural and spiritual dimensions. Focuses on health promotion, disease prevention and management of acute and chronic illnesses of culturally diverse older adults.
NGR	6258	Advanced Primary Care of Older Adults	3	NU	NUR	PR: NGR 6001, NGR 6140, CI.	Provides in-depth knowledge of: demographic, comparative, and differential aging; geriatric anatomy and physiology; the biological influence on aging psychology; the control of aging sociology; geriatric pharmacology; management of geriatric syndromes; and management of multiple diagnoses.
NGR	6259	Gerontological Nursing Practicum	1-9	NU	NUR	PR: NGR 6255, or NGR 6258.	Students will apply gerontological theories and assessment techniques in the advanced care of the elderly (1:4 ratio).
NGR	6271	Adult Health Management	3	NU	NUR	PR: NGR 6205, NGR 6205L, NGR 6207, NGR 6207L	Focus on high risk, vulnerable adult patients/clients across the life span with complex, multi-system health problems. The course covers the assessment, management and continuity of care for individuals with these complex acute and chronic health problems.
NGR	6302L	Clinical Practicum: Advanced	1-9	NU	NUR	PR: NGR 6001.	Focuses on development of clinical competencies necessary for advanced practice nurse to function

		Child Health Nursing					as a child health nurse practitioner.
NGR	6305	Primary Care: Children	3	NU	NUR	PR: NGR 6001, NGR 6140.	Focus on the primary health care of children from birth to pre-adolescent. Health maintenance and the management of common acute illnesses are included.
NGR	6305L	Primary Care Practicum: Children	3	NU	NUR	PR: NGR 6001, NGR 6140, NGR 6199. CR: NGR 6305.	Focus on application of knowledge gained in the classroom in Primary Care: Children to the patient/client population between birth and pre-adolescent years. Screening, health maintenance, and management of health problems will make-up the clinical experiences of this course.
NGR	6371	Child Health Management	3	NU	NUR	PR: NGR 6305, 6305L, 6205, 6205L	Focus on primary care of children and adolescents with selected chronic, high risk, and multi-system health conditions. Assessment and management of commonly presenting chronic conditions in children as well as issues of continuity of care, family coping, child development, community resources, ethics and public policy will be examined.
NGR	6500	Theoretical Foundations for Advanced Psychiatric Nursing	3	NU	NUR	PR: NGR 6121.	Theoretical basis for advanced practice in psychiatric nursing. Focus on selected psychodynamic, neuropsychological, development, and systems models of behavior and their impact for nursing practice.
NGR	6500L	Psychiatric APN Practicum: Psychiatric Care Outpatient	1-6	NU	NUR	CR: NGR 6500.	Clinical experience in advanced psychiatric mental health nursing that focuses on comprehensive mental health assessment, crisis intervention and brief psychotherapy.
NGR	6501	Psychopathology for Advanced Psychiatric Nursing	3	NU	NUR		In-depth study of psychosocial, factors contributing to psychosocial dysfunction, and diagnostic reasoning basis to advanced practice psychiatric health nursing, emphasis on etiology and differential diagnoses.
NGR	6501L	Psychiatric APN Practicum: Psychiatric Care in the Inpatient Setting	1-4	NU	NUR	PR: NGR 6500, CI.	Clinical experience in in-patient settings with selected acute and chronic populations. Emphasis on the role of the psychiatric APN working with individuals, groups and families conducting comprehensive mental health in the inpatient setting.
NGR	6502	Treatment Modalities	3	NU	NUR		Examination of treatment modalities for advanced practice psychiatric

		for Advanced Psychiatric Nursing					nursing. Focus on theoretical and conceptual foundation for specialty practice with individuals, families, and groups.
NGR	6503L	Practicum III: Advanced Psychiatric Mental Health Nursing	3	NU	NUR	PR: NGR 6230.	Clinical experience in advanced psychiatric mental health nursing that focuses on individual, group, family, and community interventions with culturally diverse populations.
NGR	6504	Practicum III: Advanced Psychiatric Mental Health Nursing	3	NU	NUR	PR: NGR 6230.	Field experience in a variety of community settings with culturally diverse psychiatric/mental health populations. Emphasis on implementing prevention and intervention strategies with individuals, group, families and communities (1:6 ratio).
NGR	6511	Geropsychiatric Nursing	3	NU	NUR	CI	Focuses on theoretical implications and foundations for providing geropsychiatric nursing care for the elderly who have been diagnosed or have potential emotional/mental problems with emphasis of various therapies in a variety of clinical settings. (CI)
NGR	6530	Counseling for the Terminally Ill	3	NU	NUR		Provides specialized psychological and psychosocial content with a focus on the principles and techniques for conducting psychosocial counseling with terminally ill patients.
NGR	6538	Psychopharmacology	2	NU	NUR	PR: NGR 6140, CI.	Theoretical basis for psychopharmacological interventions with clients including pharmacokinetics and clinical management.
NGR	6617	Practicum in Family Centered Nursing	1-6	NU	NUR	PR: NGR 6140; NGR 6634; CI.	Focuses on the development of clinical competencies necessary for the advanced practice nurse of function as a family nurse practitioner (1:6 ratio). (CI)
NGR	6620	Strategies for Community Health Nursing	3	NU	NUR		Examines the variables that influence and guide community health nursing practice, and the application of relevant nursing concepts and theories.
NGR	6634	Primary Care of Child Bearing Families	2	NU	NUR	PR: NGR 6140, NGR 6001, CI.	This course focuses on health promotion, health maintenance, differential diagnosis and management of common acute and chronic problems of child bearing families. Emphasis is on the

							specialized knowledge necessary to provide primary care to this population.
NGR	6650	Occupational Health Nursing I	2	NU	NUR	CI.	Primary care of the worker relative to health promotion/risk reduction/acute injuries/chronic conditions, assessment of the workplace and needs of worker aggregates, and planning for health services relative to worker lifestyles and risk factors.
NGR	6650L	Clinical Experiences In Occupational Health Nursing I	1	NU	NUR	CI.	Clinical experiences at selected worksites to apply content from NGR 6650 Occupational Health Nursing with an emphasis on analysis of the workplace and worker aggregates, occupational health nurse(s) roles/functions.
NGR	6651	Occupational Health Nursing II	2	NU	NUR		Focuses on the analysis of clinical strategies (e.g. triage, biological monitoring) relevant to advanced occupational health programs, medical surveillance programs, and worker's compensation managed care.
NGR	6651L	Clinical Experiences in Occupational Health II	1	NU	NUR	CI.	Clinical experiences relative to the application of content in NGR 6650 Occupational Health Nursing II with a focus on workplace assessment utilizing a comprehensive instrument and evaluation of worker's compensation managed care programs.
NGR	6700	Advanced Practice Nurse Transitions	2	NU	NUR	PR: NGR 6001, NGR 6140, NGR 6199. CR: NGR 6700L.	The summative process for students to design and develop their roles as an Advanced Practice Nurses (APN). It provides an opportunity for integrating knowledge with clinical skills to support a clinical specialty as well as negotiating and marketing this role in the professional community.
NGR	6700L	APN Transitions Practicum	2-3	NU	NUR	CR: NGR 6700.	Clinical concentration in the intended area of practice for the graduating Advanced Practice Nurse (APN). Focus on applying integrated knowledge to provide collaborative comprehensive care. By Permit Only.
NGR	6710	Principles of Nursing Education	3	NU	NUR	CI.	Focuses on the philosophical, theoretical and evidence-based approaches for the development, implementation, and evaluation of educational programs. Emphasis on

							curriculum development, classroom/clinical teaching methodologies, and outcomes evaluation.
NGR	6723	Applied Management in Nursing and Healthcare	3	NU	NUR	PR: CI	Applied management of human and financial resources to achieve quality and enhance healthcare outcomes in nursing. Focus on qualifying processes of care and outcomes using quality improvement approaches and sound management principles.
NGR	6726	Managing Healthcare Resources	3	NU	NUR	PR: CI.	Managing human and financial resources to achieve quality outcomes and enhance health care services. Focus on quantifying processes of care and outcomes and on the continuous improvement of quality in health care program delivery.
NGR	6730	Organization Theory and Leadership in Healthcare	3	NU	NUR	PR: CI.	Rule preparation for the healthcare manager, leader and change agent. Synthesis of concepts from organizational theory and behavior, change management, and principles of healthcare leadership as a basis for role effectiveness.
NGR	6734	Healthcare Systems Leadership Seminar	2	NU	NUR		This seminar course provides experiences to analyze theoretical issues in nursing and healthcare leadership roles. Provides an opportunity to integrate leadership and human relationship skills in health systems management.
NGR	6735	Applied Organizational Theory in Nursing and Healthcare	3	NU	NUR	PR: CI	Synthesis of concepts from organizational theory and behavior: change management and principles of healthcare leadership as a basis for effectiveness in nursing management.
NGR	6790	Consultation Liaison Nursing	3	NU	NUR	PR: Clinical and Theoretical courses for clinical concentration, or CI.	Emphasizes evolution of the consultation/liaison role for advanced nurse practitioners with emphasis on the consultation process in a variety of clinical settings.
NGR	6800	Nursing Research	3	NU	NUR	CI.	Research designs and methods for nursing with primary emphasis on these topics: critique of research studies, researchable problems, research designs, instruments and other data collection methods, approaches to data analyses using computer applications, and



							preparation of research proposals for thesis, directed research, or funded research.(CI)
NGR	6821	Applied Analysis for Outcomes Research Using Large Healthcare Databases	3	NU	NUR	PR: Nursing Majors Only	Focus on knowledge discovery in clinical domains by exploring large nursing and healthcare databases for the purposes of outcomes research or quality improvement. Emphasis on theoretical models and methods of analysis, providing experimental computer applications with large healthcare databases.
NGR	6822	Measurement for Nursing Education and Research	3	NU	NUR	CI.	Course purposes are to increase skill in measurement of nursing variables as part of the research process, to enhance ability of nurse educators to identify or develop valid and reliable measurement instruments for evaluation of students, clients and educational programs.
NGR	6824	Data Analysis for Health Sciences	3	NU	NUR		This course is designed to provide the graduate Student interested in health sciences research with practical experience using SPSS for Windows and Microsoft's Excel programs to manage, organize, analyze and present both primary and secondary data in biophysical sciences.
NGR	6872	Clinical Systems Applications and Management	3	NU	NUR	PR: NGR 5635, ISM 6127	Advanced informatics course with emphasis on application in healthcare informatics and clinical systems in nursing. Focus on design, implementation and analysis of informatics technologies in healthcare, nomenclatures and classification systems, health care documentation, integrated electronic patient records, and web-based technologies patient care and patient safety.
NGR	6905	Independent Study	1-6	NU	NUR	CI, S/U.	Specialized individualized study determined by students' needs and interests; requires an approved contract with a faculty member. (CI)
NGR	6915	Directed Research	1-3	NU	NUR	PR: NGR 6800, CI.	Builds on knowledge gained in NGR 6800 and specialty concentration by participating in a research project under the direction of selected faculty. (CI)
NGR	6930	Research Seminar in Hospice and Palliative	3	NU	NUR		Focus on analysis of contemporary research issues in palliative care and end of life with special emphasis on design, sampling, statistical analysis

		Care					and measurement problems common to research in the area.
NGR	6931	Selected Topics	1-4	NU	NUR	CI.	Seminars for the analysis and discussion of selected issues in nursing of topical concern to student and faculty.
NGR	6944	Practicum in Acute Care Nursing	1-9	NU	NUR	PR: NGR 6143, NGR 6333 or NGR 6232, CI.	Clinical experiences in critical care settings focusing on the role of the advanced practice nurse (1:4 ratio).
NGR	6947	Practicum in Nursing Education	1-4	NU	NUR	PR: NGR 6822, NGR 6710, NGR 6712, CI.	Instructional experiences that utilize educational concepts and instructional strategies in a variety of educational settings in nursing. (CI)
NGR	6947L	Practicum I in Advanced Oncology Nursing Practice	3	NU	NUR	PR: NGR 6001, NGR 6096, NGR 6121, NGR 6140, NGR 6142, NGR 6199, NGR 6207, NGR 6800	This course provides clinical experiences in advanced oncology nursing practice with a focus on the application of theoretical and conceptual knowledge and relevant to adults with cancer or at risk for cancer.
NGR	6948L	Practicum II in Advanced Oncology Nursing	3	NU	NUR	PR: NGR 6001, NGR 6096, NGR 6121, NGR 6140, NGR 6142, NGR 6199, NGR 6207, NGR 6800	This course provides clinical experiences in advanced oncology nursing practice with a focus on the application of theoretical and conceptual knowledge and relevant to adults with cancer or at risk for cancer.
NGR	6949	Oncology Nursing Practicum	1-9	NU	NUR	CI.	Requires synthesis of all knowledge and skills acquired earlier in the program. Emphasis is on the role of the oncology nurse specialist, including those of expert clinician, consultant, teacher, researcher and administrator.
NGR	6949L	Practicum III in Advanced Oncology Nursing Practice	1-9	NU	NUR	PR: NGR 6001, NGR 6096, NGR 6121, NGR 6140, NGR 6142, NGR 6199, NGR 6207, NGR 6800	This course provides clinical experiences in advanced oncology nursing practice with a focus on the application of theoretical and conceptual knowledge and relevant to adults with cancer or at risk for cancer.
NGR	6950	Capstone Course	3	NU	NUR	PR: Completion of 50% of academic program, and NGR 6121 and NGR 6800.	This course focuses on the development of a scholarly manuscript of publishable quality to a selected publisher's standards on a topic selected by the student.
NGR	6971	Thesis	2-19	NU	NUR	PR: NGR 6800,	

						CI.	
NGR	7124	Advances in Nursing Science	3	NU	NUR		Focus on history and philosophy of science: history and development of nursing's scientific knowledge base and theoretical progress. Emphasis methods of theory building and theory testing through research. Explore progress in middle range theories and areas of high priority for additional research for the discipline.
NGR	7705	Academic Citizenship in Nursing	3	NU	NUR	PR: Admission to doctoral program or consent of instructor.	Examine knowledge and skills necessary for an academic role in nursing. Emphasis on models for socialization into an academic role including teaching, research, service and practice. Explore new paradigms and technologies for teaching-learning.
NGR	7815	Qualitative Research Methods in Nursing	3	NU	NUR	PR: NGR 6800.	An overview of qualitative research methods in nursing, identification of problems appropriate for qualitative research methods, and application of appropriate qualitative research methods to a researchable problem.
NGR	7816	Research Designs and Methods in Nursing	3	NU	NUR		Focus on designs used in nursing research to test or develop theoretical models, or concepts, including clinical or outcome variables, or hypotheses. Emphasis on quantitative designs.
NGR	7823	Psychometrics and Measurement for Nursing Research	3	NU	NUR	PR: NGR 7841.	Explores issues in developing, testing, and applying measurement theory in research. Analysis of psychometric properties of instruments and methods appropriate to theoretical and conceptual demands of science.
NGR	7841	Statistical Methods in Nursing Research I	3	NU	NUR	PR: NGR 6800 or equivalent and statistics.	Standard parametric and nonparametric statistical methods in nursing research; role of assumptions and theory in selecting the appropriate statistic for testing hypotheses/research questions. Emphasis on analysis of variance and simple linear regression. Statistical software applications are integrated into the course.
NGR	7842	Statistical Methods in Nursing Research II	3	NU	NUR	PR: NGR 7841.	Focus on advanced multivariate methods in nursing research: regression (linear, multiple, logistic) and multiple analysis of variance (MANOVA) and covariance software applications are integrated into the course.

NGR	7910	Concepts in Nursing Practice	3	NU	NUR		Emphasis on analysis of phenomena (concepts) that impact on nursing practice. Phenomena are selected and analyzed from theoretical and research perspectives.
NGR	7911	Esthetics and Ethics in Nursing and Health Care	3	NU	NUR		Explores issues and research in esthetics (carative factors-art of healing) and ethics in advanced practice. Focuses on use of alternative approaches to healing and application of ethical decision making models to complex health care issues.
NGR	7912	Health Policy Issues in Nursing and Health Care	3	NU	NUR	PR: NGR 7841 and NGR 7842 or CI.	Use of data bases to develop approaches for decision making, policy formulation and outcome evaluation. Focus on policy analysis, agenda setting, and factors affecting nursing and health care policy.
NGR	7940	Advanced Clinical Research Pro Seminar	1	NU	NUR		Focus is on increasing knowledge in grant funding; building research teams; preparing publications and research presentations. Each semester the student will also participate in a research practicum experience with a research mentor.
NGR	7941	Nursing Research Pro Seminar	1-6	NU	NUR	PR: Nursing Knowledge Systems and Issues in Knowledge Dissemination.	The Pro Seminar provides experiential opportunities for students to test innovative methods and technologies in a variety of educational or clinical settings. Seminars designed to critique current research in the area.
NGR	7980	Dissertation Research	2-6	NU	NUR	PR: Admission to candidacy.	Directed research and writing of dissertation topic appropriate to the discipline.
OCB	6050	Biological Oceanography	3	MS	MSC	PR: GS or CI.	Study of life in the oceans, its rates and processes, and its interaction with the physical and chemical environment. Lec.
OCB	6567	Phytoplankton Ecology	3	MS	MSC	PR: B.S. in Biology, OCB 6050, or CI.	An introduction to the physiology and ecology of marine phytoplankton. Emphasis will be on those variables and interactions that regulate photosynthesis, production, nutrient kinetics and regeneration, growth, spatial distribution, losses, and succession.
OCB	6646	Marine Zoogeography	3	MS	MSC	PR: B.S. in Biology, OCB 6050, or CI.	The geographical distribution of animals in the marine environments of the world including the major habitats of the benthic and pelagic realms. Studies of the relationships between distribution and

							evolutionary patterns.
OCB	6666	Ecological Physiology	3	MS	MSC	PR: B.S. in Biology, 1 year general and Organic Chemistry, OCB 6050, or CI.	The study of those physiological mechanisms that enable organisms to live in their environment, and deal with changes in the environment. Coursework is focused on aquatic ecosystems. Topics include osmotic and ionic regulation, nitrogen excretion, feeding and digestion, respiration, temperature, and energetics. Lab separate.
OCB	6671	Methods in Biological Oceanography	1	MS	MSC	PR: CI.	To acquaint students with field and laboratory equipment and techniques currently used in Biological Oceanography. Emphasis will be on field problems, especially those requiring research at sea.
OCB	6931C	Special Topics in Ichthyology	1-3	MS	MSC	PR: GS or CC. S/U only.	Presentation and discussion of ichthyological topics from the primary literature. The objectives of this course are: 1) to review and discuss the primary literature on ichthyological topics, both current and historical; 2) to provide a forum in which students can develop discussion skills; 3) to identify, through examination of the literature, areas of needed research; 4) to provide means by which graduate students can receive formal course instruction in a non-lecture format.
OCC	6050	Chemical Oceanography	3	MS	MSC	PR: CHM 2046 and GS or CI.	The ocean as a chemical system, including composition, physical-chemical aspects, role of nutrients, trace metals, interaction between bottom and overlying water, organic matter, and stable and radioactive isotopes. Lec
OCC	6057	Methods in Chemical Oceanography	1	MS	MSC	PR: OCC 6050 or CI.	An intensive study of the use and limitations of field and laboratory equipment that is a standard part of chemical oceanographic research into the behavior of dissolved and particulate constituents in seawater.
OCC	6067	Marine Pollution	3	MS	MSC	PR: OCC 6050 or CI.	Marine pollutant sources, reservoirs, transport processes, and dynamics. Topics include heavy metals, chlorinated hydrocarbons, radioactivity, petroleum, pathogens, and thermal pollution including functional and physiological responses of marine organisms.
OCC	6111C	Applications of Gas	3	MS	MSC	PR: OCC 6050 and CI.	Analytical techniques of high resolution gas chromatography and

		Chromatography and Mass Spectrometry in Marine Science					combined gas chromatography-mass spectrometry are applied to problems in Marine Science. Theoretical aspects of the techniques are covered in lectures, while detailed experimental procedures are taught and practiced in the laboratory.
OCC	6216	Marine Organic Chemistry	3	MS	MSC	PR: B.S. in Biology or Chemistry, Biochemistry, OCC 6050 or CI.	Distribution and biogeochemical cycling of organic matter in the oceans. Topics include carbohydrates, proteins, lipids, humics, pheromones, interaction with trace metals, isotopic fractionation, microbial alterations, and biochemical tracers.
OCC	6418	Petroleum Geochemistry	3	MS	MSC	PR: OCC 6216 or CI.	An investigation of the geochemical aspects of petroleum generation, migration, accumulation, and maturation. Additional topics include the composition of petroleum, the use of molecular biomarkers to investigate petrochemical and geochemical processes, and petroleum prospecting.
OCE	6908	Independent Study	1-10	MS	MSC	S/U.	Independent study in which students must have a contract with an instructor.
OCE	6934	Selected Topics in Oceanography	1-3	MS	MSC	PR: CI.	Special topics in Biological, Chemical, Geological, and Physical Oceanography.
OCE	6939	Graduate Seminar in Oceanography	1	MS	MSC	PR: GS. S/U.	
OCE	6971	Thesis: Master's	2-19	MS	MSC	PR: CC, GR, ML. S/U.	
OCE	6972	Directed Research	1-19	MS	MSC	PR: GR. ML, CI. S/U.	
OCE	7910	Directed Research	1-19	MS	MSC	PR: GR. Ph.D. level, CI. S/U.	
OCE	7980	Dissertation: Doctoral	2-19	MS	MSC	PR: Admission to Candidacy, CC. S/U	
OCG	6051	Geological Oceanography	3	MS	MSC	PR: GS or CI.	Marine geology including plate tectonics; coastal, shelf and pelagic sedimentation; geochemical cycling; and sedimentary history of the ocean basins. Lec
OCG	6075	Methods in Geological Oceanography	1	MS	MSC	PR: OCG 6051 or CI.	Description and application of the modern techniques used to investigate Marine Geology and Geophysics.
OCG	6080	Plate	3	MS	MSC		An overview of the Plate Tectonic

		Tectonics					theory, including such topics as: geometry of Plate Tectonics, tectonics on a sphere, past plate motions, seismology, oceanic gravity, geochronology, heat flow, oceanic lithosphere, ridges, transforms, trenches, oceanic islands, and continental lithosphere.
OCG	6086	Geology of Continental Margins	3	MS	MSC	PR: B.S. in Geology, OCG 6051, or CI.	Analysis of tectonic, structural and stratigraphic development and general geologic history of the major types of continental margins. Includes interpretation of seismic data.
OCG	6356C	Stratigraphic Interpretation of Seismic Data	3	MS	MSC	PR: B.S. in Geology, OCG 6051, or CI.	Study of seismic reflection data for the purpose of determining structural and sedimentological development, facies distribution, and general geological history of stratigraphic packages. Course includes fundamentals of seismic reflection and depositional sequence/seismic facies analyses.
OCG	6453	Geochemistry and Marine Sediments	3	MS	MSC	PR: BA in Chemistry or Geology or CI.	General survey course of the mineralogy, chemical composition, physical properties and origin of marine sediments. Topics include the transport, deposition, and burial diagenesis of organic matter and carbonate, aluminosilicate and silica minerals. Theoretical and practical aspects of x-ray diffraction.
OCG	6455	Marine Isotope Geochemistry	3	MS	MSC	PR: Chemical Oceanography or CI.	Study of stable and radioactive isotope variations in the marine environment and the use of these variations as tracers and in determining ages, rates and paleoclimatic conditions.
OCG	6551C	Scanning Electron Microscopy: Theory and Technique	4	MS	MSC	PR: One year Physics and Chemistry or CC. Full time graduate students in the department of Marine Science are not required to obtain an individual permit. All other graduate and undergraduate students should	Theory and practical application of the scanning electron microscope and the energy dispersive X-ray analyzer. Emphasis is on independent operation of the instruments, preparation techniques for specimens, and interpretation of results.

						obtain a permit.	
OCG	6656C	Marine Micropaleontology	3	MS	MSC	PR: B.S. in Geology or Biology, OCG 6051, or CI.	Introduction to the microscopic marine fauna and flora found in the fossil sedimentary record. Emphasis is placed on the ecology, paleoecology, paleontology, and biostratigraphic record of calcareous and siliceous microfossils
OCG	6664	Paleoceanography	3	MS	MSC	PR: OCB 6050, OCC 6050, OCG 6051, and OCP 6050, or CI.	The study of the development of the ocean system through geologic history, including tectonic framework, sea level history, paleoclimatology, paleocirculation within the ocean basins, and the evolution of marine biota.
OCG	6666	Carbonate Depositional Systems	3	MS	MSC	PR: BA in Geology or CI.	In-depth presentation of production, transport, and accumulation of carbonate sediments on platforms and shelves. Characteristics of carbonate sediment type, primary environment controls, and relationships to surrounding facies will be presented. Available to non-majors.
OCG	6668	Evolution and Ecology of Reefs	3	MS	MSC	PR: OCB 6050 and OCG 6051 or CI.	Advanced course in ecology and evolution of reef communities. Topics include environmental controls on reef development, basic components of modern reef communities, and how those components have changed through geologic time.
OCP	6050	Physical Oceanography	3	MS	MSC	PR: Diff/int. calculus, General Physics, and GS or CI.	The world ocean including its morphology, physical properties, currents, waves, tides, heat and water budgets, and related topics. Lec.
ORI	5930	Topics in Performance Genres	3	AS	SPE		Variable topics course.
ORI	6018	Performance Art	3	AS	SPE	PR: Graduate Standing.	Explores historical, theoretical, and critical perspectives on performance art in the US.
ORI	6020	Performing Social Resistance	3	AS	SPE	PR: Graduate Standing.	Explores performance as a site of and means for creating social resistance and change.
ORI	6107	Texts in Performance	3	AS	SPE	PR: Graduate Standing.	Explores contemporary literary texts through dramatic analysis, live performance, adaptation and staging strategies.
ORI	6250	Performance and Technology	3	AS	SPE	PR: Graduate Standing.	Explores the relationship between live and mediated performance, the use of media technologies in performance, and the place of live



							performance in a Western mediated society.
ORI	6435	Performance as Cultural Study	3	AS	SPE	PR: GS.	Impact of performance and performance forms as cultural communication. The course examines literary, festive, religious, political and social performance in dialogue with culture.
ORI	6456	Performance Theory	3	AS	SPE	PR: Graduate Standing.	A survey of modern and contemporary approaches to performance as constitutive of identity, verbal art, communication, and culture.
ORI	6506	Performance Criticism	3	AS	SPE	PR: Graduate Standing.	Focuses on the development and honing of critical skills employed in response to performance. These skills can be applied to a multitude of acts and texts.
ORI	6930	Communication Aesthetics	3	AS	SPE		This course examines the historical evolution of the aesthetic dimension of communication as performance in terms of major concepts and theorists from Plato to the present.
ORI	7930	Seminar in Performance Studies	3	AS	SPE	PR: GS.	Variable topics course.
PAD	5035	Issues in Public Administration and Public Policy	3	AS	PAD	Sr. & GS only.	Selected issues and topics in Public Administration and Public Policy.
PAD	5044	Environment of Public Administration	3	AS	PAD		Examination of the legal, political, and ethical environment in which public managers work.
PAD	5333	Concepts and Issues in Public Planning	3	AS	PAD	PR: URP 4050 or URP 6056, GS or Sr.	Analysis of basic concepts, issues, and strategies of planning, policy determination, collection of information, and decision-making.
PAD	5605	Administrative Law and Regulation	3	AS	PAD		An examination of the constitutional and statutory base and limitations of the administrative process, administrative adjudication, rule-making, and the judicial review of such actions. An examination of the Constitutional and statutory base and limitations of the administrative process, administrative adjudication, rule-making, and the judicial review of such actions. Attention is also directed to regulatory commissions, their functions, powers, management and relationship with other branches of government.

PAD	5700	Research Methods in Public Administration	3	AS	PAD		This course provides the student with the fundamental skills and knowledge of how research is designed, implemented, analyzed, and utilized in public sector agencies. Available to majors and non-majors.
PAD	5807	Urban and Local Government Administration	3	AS	PAD	GS or Sr.	Analysis of the role of the administrator at the municipal level, the division of functions, policy formation, alternative governmental structures, effects on the administrative process.
PAD	5836	Comparative Public Administration	3	AS	PAD	GS or Sr.	How organizations and managers perform within a particular environment, potential impact of innovation, and how service is accomplished in a variety of socio-economic environments.
PAD	6041	Ethics and Public Service	3	AS	PAD		The purpose of this course is to provide students with an understanding of the ethical dimensions of public service, with particular attention focused on the role, duties and responsibilities of the public administrator. Additionally, the course seeks to help students develop awareness, skill, and value framework to act ethically in their public service and management roles.
PAD	6056	Practice of Public Management	3	AS	PAD	PR: Completion of all MPA core courses and five electives. Must be taken in last semester of coursework.	An integrative course applying the skills, knowledge, and values taught in the core curriculum and applied to public issues or problems.
PAD	6060	Public Administration Theory	3	AS	PAD	GS.	Examination of major theoretical and practical developments in public administration with focus on organization theory and current research trends in the field.
PAD	6105	Public Organizations and Change	3	AS	PAD		In-depth coverage of organizational theory and focus with special attention to issues and problems of organizational change and reform in the public sector.
PAD	6134	Project Management	3	AS	PAD		Course is designed to introduce students to the concepts, theories, principles, and practices in project management, as well as to the use of project management software.
PAD	6207	Public	3	AS	PAD	GS.	Examination of the fiscal

		Financial Administration					organization of federal, state, and local governments. Current problems in budgeting, revenue, and indebtedness are considered.
PAD	6208	Financial Oversight for Nonprofit Organizations	3	AS	PAD		Introduce the non-financial manager to financial information used to make decisions for nonprofit organizations. Students will learn how to use the principles of financial management to make operating and capital budgeting decisions and to analyze long-term financial options.
PAD	6222	Issues in Florida-- Budgeting and Finance	3	AS	PAD		Selected issues in public financial management and budgeting related to state agencies or local governments in Florida.
PAD	6227	Public Budgeting	3	AS	PAD		Development, authorization, execution, and assessment of government budgets. Topics include current trends and issues in budget theory and practice, as well as reform efforts.
PAD	6275	Political Economy for Public Managers	3	AS	PAD	PR: Graduate status or CI, PAD 5700 and PAD 6703 are recommended.	Introduces students to the fundamental concepts, theories, principles and tools used in public sector managerial economics. Students will be using economic concepts and applying economic tools and techniques to address common issues faced by public managers.
PAD	6307	Policy Analysis, Implementation, and Program Evaluation	3	AS	PAD		An introduction to analyzing public problems and program development. Emphasis is placed on the methodological tools for analyzing public problems, and criteria to assess the value of programs in addressing public problems.
PAD	6335	Strategic Planning for Public and Nonprofit Organizations	3	AS	PAD		Emphasizes methods of strategic planning as tools to lead, strengthen, and develop public and nonprofit organizations.
PAD	6336	Community Development Programs and Strategies	3	AS	PAD		Discusses community development principles and practices in historical and contemporary perspectives, federal, state and local initiatives, physical, social, and economic approaches to community development.
PAD	6338	Urban Land Use and Policy	3	AS	PAD		Focuses on the political, economic, and legal environment of urban land development. Examines public

		Administrati on					policies affecting the spatial distribution of urban land activities, overt and covert rationales of such policies; zoning; subdivision regulations; building codes, and other urban land use control measures.
PAD	6339	Housing and Public Policy	3	AS	PAD		Explores housing policy in the broader context of public policy. Examination of housing market theories and the relationships between housing and city and regional planning.
PAD	6355	Urban Growth Management	3	AS	PAD		Examines the political economy of controlling the growth and development of human settlements, regulatory and non-regulatory techniques of growth management, and the evolution of growth management practices in the U.S.
PAD	6417	Human Resources Management	3	AS	PAD	GS or Sr.	A study of the major functions in public personnel, including recruiting, selection, testing, training, and development, and employee and human relations in the public service.
PAD	6427	Public Sector Labor Relations	3	AS	PAD		Introduction to the historical, legal, political and procedural aspects of collective bargaining and labor relations in the public sector organizations. Addresses methods for resolving conflicts and grievances.
PAD	6703	Quantitative Aids for Public Managers	3	AS	PAD	PR: PAD 5700	Techniques and models used in analyzing managerial/policy problems. Generate descriptive, inferential and associational statistics, evaluate alternate policy and decision options, and make recommendations.
PAD	6710	Public Information Management	3	AS	PAD		Intro to policy issues related to managing public info. by non-technical public & nonprofit managers. Non-tech. manager's role with strategic tech. planning, process re-engineering, appl. dev., data admin., procurement, security, public access, Internet.
PAD	6907	Independent Study	1-3	AS	PAD	PR: CI. S/U.	A flexible format for conceptual or theoretical studies in public administration.
PAD	6909	Problem Report	3	AS	PAD	Majors only.	Analysis of a significant administrative or policy problem facing a public agency or manager.
PAD	6915	Directed	1-3	AS	PAD	PR: CI. S/U.	A flexible format for structured field

		Research					research in Public Administration.
PAD	6934	Selected Topics in Public Administration	1-3	AS	PAD		A flexible format to offer specialized courses not available within the regular curriculum.
PAD	6946	Internship in Public Administration	2-6	AS	PAD	PR: CI. Majors only. S/U	Structured learning and work experience in a public agency or non-profit organization.
PCB	5235	Principles of Immunology	3	AS	BIO	PR: PCB 3023 or MCB 3020C, CI.	Course will emphasize the biological principles involved in the vertebrate immune response. It will present the homeostatic, defense, and detrimental aspects of the immune system in terms of basic cellular and molecular mechanisms. Techniques will be described to familiarize the student with the types of immunological tools available to the cellular and molecular biologist.
PCB	5256	Developmental Biology	5	AS	BIO	PR: PCB 3023, CI.	Topics in modern developmental biology to be covered in lecture and through readings so as to gain a working knowledge and understanding of the cellular and molecular mechanisms of cell differentiation in both plants and animals.
PCB	5307	Limnology	3	AS	BIO	PR: PCB 3043, CHM 2046, PHY 2053, CI.	An introduction to the physical, chemical, and biological nature of fresh-water environments. Lec.
PCB	5307L	Limnology Laboratory	1	AS	BIO	PR: CI. CP: PCB 5307.	Laboratory portion of Limnology. Laboratory and field experience in the area of aquatic ecology.
PCB	5415	Behavioral Ecology	3	AS	BIO	PR: PCB 3043 or PCB 4674, CI.	An emphasis on the evolutionary mechanisms that influence an organisms behavioral responses to environmental events. The theoretical framework is presented and analyzed.
PCB	5525	Molecular Genetics	3	AS	BIO	PR: PCB 3063, CI.	Detailed examination of DNA, RNA and protein synthesis; the effects of mutations on proteins, cellular control; selected aspects of viral, bacterial, and fungal genetics.
PCB	5835	Neurophysiology	3	AS	BIO	PR: CI.	A comparative analysis of the physiochemical basis and evolution of nervous systems and sensory mechanisms.
PCB	5845C	Principles of Neuroscience	4	AS	BIO	PR: PCB 4723, CI.	Study of the mammalian brain's structure and function, with an emphasis on the neuroanatomy, neuropharmacology, and

							neurophysiology of the human brain. Topics include brain imaging, dementia, and mechanisms of learning/memory. Brain research techniques are also discussed, as are basic neuropathological processes that result in abnormal brain function.
PCB	6107	Advanced Cell Biology	4	AS	BIO	PR: CI.	Detailed examination of the structure, function and molecular biology of eukaryotic cells.
PCB	6176C	Biological Electron Microscopy	5	AS	BIO	PR: PCB 3023 and CI.	Discussion of theory and techniques in electron microscopy. Emphasis on preparation of biological microscope. Lec/Lab.
PCB	6236	Advanced Immunology	4	AS	BIO	PR: CI.	Discussion of the basic immune reaction, nature of antigenicity; basic immunological techniques and their use in biological research and the medical sciences. Lec/Lab.
PCB	6275	Cell Signaling	3	AS	BIO		A detailed examination of the cellular, biochemical, and molecular mechanism involved in signal transduction in various eukaryotic organism with emphasis on reviewing recent experimental evidence.
PCB	6365C	Physiological Ecology	4	AS	BIO	PR: CI.	Effect of environmental factors on animal function at the cellular and organ system level with emphasis on control and mechanism.
PCB	6405	Chemical Ecology	3	AS	BIO	PR: PCB 3043 and CHM 2211.	A broad introduction to the biochemistry of plant and animal interactions. Emphasis on the roles of secondary metabolites such as alkaloids, flavonoids, and terpenes in the complex animal/animal, animal/plant, plant/plant, and plant/microorganism interactions occurring in natural, terrestrial, and aquatic environments.
PCB	6426C	Population Biology	3	AS	BIO	PR: GS, CI.	Introduction to population dynamics with emphasis on the ecological components of growth, competition, and perdition.
PCB	6447	Community Ecology	3	AS	BIO	PR: CI.	In-depth examination of community ecology with emphasis on diversity, stability, trophic structure and the mechanisms which affect how communities are structured.
PCB	6455	Statistical Ecology	3	AS	BIO	PR: CI.	Introduction to exploratory data analysis in ecology. Techniques for dealing with encountered data are emphasized.

PCB	6456C	Biometry	4	AS	BIO	PR: MAC 2241 and MAC 2242, GS.	An introduction to statistical procedures for research in biological sciences. Experimental design, analysis of data, and presentation of results are emphasized. Lec./Dis.
PCB	6458	Biometry II	3	AS	BIO	PR: PCB 6456C.	Fundamental concepts in the design of experiments for biological research. Factorial experiments, multiple regression analyses, analyses of covariance and SAS computer programs are emphasized. Lec/Lab.
PCB	6920	Advances in Cell and Molecular Biology	1	AS	BIO	PR: PCB 6107 or CI.	A journal club in which graduate students present and discuss research publications from the preceding twelve months in the fields of molecular and cellular biology.
PCB	6933	Seminar In Ecology	1-3	AS	BIO	PR: CI.	A detailed examination of topics in ecology pertaining to individual organisms, populations, communities and/or ecosystems.
PET	6205	Psycho-Sociological Aspects of Human Movement	3	ED	EDP	DPR.	Psychological and sociological implications of movement to historical and contemporary society. Emphasis on concept, role of movement in society, and values and attitudes.
PET	6396C	Specialized Study in Bio-Kinetics of Human Movement	1-4	ED	EDP	PR: CI. DPR.	Will provide in-depth study in specific areas related to neurological, physiological, and mechanical principles of human development.
PET	6419	Clinical Supervision In Physical Education	3	ED	EDP	PR: Florida certificate in physical education, 3 years teaching experience in physical education, principal's recommendation. CI. DPR.	Provides specialized knowledge and skills for effective supervision of interns in physical education including observation and feedback techniques and communication skills.
PET	6425	Curriculum and Instructional Process in Physical Education	3	ED	EDP	PR: CI.	Will provide in-depth study of the structure of subject matter, theoretical curriculum models, styles of teaching, and investigation of the nature of the learner as these relate to teaching physical education. Fieldwork may be required.
PET	6496	Specialized Study In Curriculum And	1-4	ED	EDP	PR: CI. DPR.	Will provide in-depth study in specific areas related to the teaching-learning process of physical education.

		Instructional Process In Physical Education					
PET	6535C	Professional Assessment	3	ED	EDP	PR: CI. DPR.	Personal assessment of current trends and knowledge in the professional literature. Development of competencies in research review, written and oral communication skills.
PET	6645	Physical Education for Individuals with Disabilities	4	ED	EDP	DPR.	This course is concerned with the motor development and physical fitness of individuals with mental and motor related disabling conditions. Study includes psycho-educational characteristics; planning, conducting, and evaluating individualized programs of physical education; and review of relevant literature. Clinical fieldwork is required.
PET	6695C	Physical Education for the Handicapped Practicum	2-4	ED	EDP	PR: PET 6645 or DPR and CI.	School or treatment center-based experience providing evaluation and instructional services. Seminars are conducted to discuss professional literature, teaching strategies, and curriculum organization and evaluation.
PET	6906	Independent Study: Professional Physical Education	1-6	ED	EDP	S/U. PR: CI. DPR.	Independent study. Students must have a contract with an instructor.
PET	6910L	Research Project in Physical Education	1-4	ED	EDP	PR: CI. DPR.	In-depth research study of selected topics concerning human movement. Topics will vary according to needs and interests of student.
PGY	5425C	Art Photography III	4	VP	ART	PR: CI.	Advanced work in photography and related media leading to development of personal/expressive statements.
PGY	6108C	Photography	4	VP	ART	PR: CI. Registration by contract only.	
PHC	6000	Epidemiology	3	PH	EPB	PR: CI.	Study of epidemiological methods to evaluate the patterns and determinants of health and diseases in populations.
PHC	6006	Epidemiology of Diseases of Major Public Health Importance	3	PH	EPB	PR: PHC 6000, PHC 6050, and CI.	A study of the distribution and determinants of specific infectious and non-infectious human diseases of public health importance using epidemiological methods.
PHC	6007	Cancer	3	PH	EPB	PR: PHC 6000	The course will consider the extent



		Epidemiology				or CI.	of the cancer problem, present the epidemiology of the major cancer sites, including those of the respiratory, digestive and reproductive systems, and evaluate the potential for primary and secondary preventive efforts.
PHC	6008	Cardiovascular Disease Epidemiology	3	PH	EPB	PR: PHC 6000 or CI.	A review of the major issues in cardiovascular disease epidemiology, including trends, the extent of the disease nationally and internationally, implications of major epidemiological studies, and strategies for prevention.
PHC	6017	Design and Conduct of Clinical Trials	3	PH	EPB	PR: PHC 6050, PHC 6000 and CI.	The course will familiarize students with the issues in the design and conduct of clinical trials. Factors involved in organizing a trial, randomizing subjects, implementation, and analyzing data from the study will be considered.
PHC	6050	Biostatistics I	3	PH	EPB	PR: College Algebra or CI.	Concepts, principles, and methods of statistics applied to public health issues.
PHC	6051	Biostatistics II	3	PH	EPB	PR: PHC 6000 and PHC 6050 or CI.	Intermediate level statistical methods appropriate for health and epidemiological studies. Emphasis on 2x2 tables, analysis of variance, multiple linear regression, methods of survival analysis, logistic regression, and Cox regression.
PHC	6053	Categorical Data Analysis	3	PH	EPB	PR: PHC 6051 or CI.	Study of techniques used in analyzing data where subjects have been cross-classified by two or more categorical variables. Special emphasis given to problems frequently arising in epidemiology, public health and medicine.
PHC	6057	Biostatistical Inference I	3	PH	EPB	PR: Undergraduate Calculus or Equivalent	This course is primarily designed for students majoring in Biostatistics, emphasis is given to understanding and mastering of biostatistical theory and methods such as probability distribution, expectations, estimation and hypothesis testing.
PHC	6060	Biostatistical Case Studies and Consulting I	3	PH	EPB	PR: Entry into the Biostatistics Doctoral Program or CI.	This course provides hands on experience in biostatistical consulting. Biostatistical methods and computer skills are presented, along with the skills required for participating in collaborative and consultative research roles. A Foundation for biostatistical consultation is presented, involving

							the goals, content, conduct and presentation of Biostatisticians working in applied health settings. Students apply these principles to at least one consultative project and one collaborative project.
PHC	6061	Biostatistical Case Studies and Consulting II	3	PH	EPB	PR: PHC 6060 or CI.	This course prepares students to join an active biostatistical analyst of a multidisciplinary research groups. This collaborative role requires knowledge of successful grant writing and review, site visits, and formal presentations of analytical results. Special issues in collaborating research at a distance are discussed. The biostatistical methodology and theory pertaining to collaborative research projects chosen by the students covered in formal lectures.
PHC	6101	Health Care Organizations	3	PH	HPM	PR: PHC 6102 or CI.	This course presents an overview of principles in the design and structure of health care organizations and their relationship to the regulatory environment at the federal, state, and local levels.
PHC	6102	Principles of Health Policy and Management	3	PH	HPM	PR: CI.	General principles of planning, management, evaluation, and behavior of public and private health care organizations at the local, state, and national levels.
PHC	6104	Management of Public Health Programs	3	PH	HPM	PR: PHC 6102 and CI.	Application of principles and methods for organization and management of government and non-government public health programs.
PHC	6110	International Health and Health Care Systems	3	PH	HPM	PR: CI.	Study of global health problems and trends, translated to needs and demands; socio-economic and political impact on health delivery; prevailing international systems compared to U.S. system; the role of international health agencies.
PHC	6111	Global Primary Health Care Strategies	3	PH	HPM	PR: PHC 6102 or CI.	Addresses the rationale, planning and implementation of primary health care programs from an international perspective. Emphasis is given to primary care as an integral part of a health care system and an essential component of public health.
PHC	6116	International Health Education	3	PH	CFH	PR: Graduate Status.	This travel abroad course compares the practice and venues of health education as they occur in another country with those in the United

							States. Specific course location varies. Focus is on comparative assessment of individual and community health education needs, program planning, implementation, and evaluation, coordination and administration of programs, resource availability of programs, resource availability, health communication mechanisms, application of research principles, and status of the health education profession.
PHC	6120	Community Partnerships and Advocacy	3	PH	CFH		Designed to familiarize students with key aspects of developing partnerships among private and public sector organizations for the purposes of assessing and improving the health of communities. Particular skills include coalition development, developing a constituency/partnerships, advocacy, team building, and leadership.
PHC	6146	Health Services Planning and Evaluation	3	PH	HPM	PR: PHC 6050 or CI.	Study of health services planning concepts/methods, and evaluation, with an emphasis on facilities and manpower planning, providing an in-depth orientation to information requirements for health planning, and methods to cover gaps of information.
PHC	6147	Managing Quality in Health Care	3	PH	HPM		Study of methods and tools for managing quality in health care. The developments in applications of quality assurance, utilization review, continuous quality improvement, and total quality management in health services including hospitals, managed care, and public health.
PHC	6148	Strategic Planning and Health Care Marketing	3	PH	HPM	PR: PHC 6102 or CI.	The course reviews the fundamental steps in the strategic planning process and marketing approaches for health care organizations. The textbook and exercises emphasize non-profit organizations.
PHC	6150	Health Policy Analysis	3	PH	HPM	PR: PHC 6102 or CI.	A detailed study of policies, policy making, and policy analysis in health services and their relationship to health planning, management, and health care delivery.
PHC	6151	Health Policy and Politics	3	PH	HPM	PR: PHC 6102 or CI.	This course will examine the role of federal, state, and local government in health care organization, delivery, and financing in the United States and other comparable industrial

							nations.
PHC	6158	Managed Care	3	PH	HPM		The course provides a comprehensive overview of managed care principles, objectives, types and models, relevant policy issues, and management functions and practices applicable to managed care settings. Students will develop an understanding of the impact of managed care on cost, quality and access, and on provider organization and communities.
PHC	6160	Health Care Financial Management	3	PH	HPM	PR: At least one undergraduate course in Financial or Managerial Accounting and PHC 6102 or CI.	An introduction to the application of financial management practices in health care organizations, cost behavior analysis, working capital management, financial statement analysis, and capital decision making.
PHC	6161	Health Care Finance Applications	3	PH	HPM	PR: PHC 6102 or CI.	A case method approach to the financial management of health care organizations. Quantitative decision analysis techniques, costing methods, and financial policy analysis skills are emphasized.
PHC	6180	Health Services Management	3	PH	HPM	PR: PHC 6102 and undergraduate accounting course or CI.	Advanced study of specific topics in health care organization management including the managerial process, organizational theory, resource utilization and control, and human resource management.
PHC	6181	Organizational Behavior in Health Services	3	PH	HPM	PR: PHC 6102 or CI.	Investigates the impact that individuals, groups, and structure have on behavior within organizations. The application of such knowledge is used toward advancing the effectiveness of health care and related organizations. Special consideration is given to human resource applications. Case studies and other exercises are used.
PHC	6182	Overview of United States and International Emergency/ Disaster Management	3	PH	EOH		Public Health and other professionals will be given an overview of the disaster management process. Provides terms, definitions, and concepts of emergency management from a local, national, and international perspective.
PHC	6184	Emergency/ Disaster Recovery	3	PH	EOH	PR: PHC 6182	The content of this course is designed to expose the concepts of: 1) recovery models used by the United States and International

							operations, 2)recovery planning and response to a disaster environment, especially in terms of major disaster incidents, 3)broadening and enhancing the understanding of roles and responsibilities, and 4)the importance to the overall recovery effort. In addition to the United States and international focus, the course also addresses the coordination and problem solving aspects of disaster operations.
PHC	6185	Emergency/ Disaster Preparedness and Planning	3	PH	EOH	PR: PHC 6182	Emergency Preparedness and Planning provides an overview to preparedness strategies, emergency planning and assessment of hazards and resources. This course provides intermediate level direction and builds upon planning concepts learned in Overview of United States and International Energy Management. Studies include in-depth planning and analytical framework, hazard/vulnerability analysis, and management.
PHC	6186	Public Health Emergencies in Large Populations (PHLEP)	3	PH	EOH		To develop or improve the skills of persons interested in providing emergency health services in humanitarian emergencies. The course is divided into two parts: 1)meeting health needs large populations and 2)the humanitarian and ethical issues of refugees and displaced people. Topics covered include food and nutrition, water and sanitation, providing health services, reproductive health, control of communicable diseases, humanitarian law, human rights, ethics, and the geopolitical issues related to population displacement particularly from conflict.
PHC	6191	Quantitative Analysis in Health Care Management	3	PH	HPM	PR: PHC 6050 and PHC 6180, PHC 6430, and PHC 6151 or CI.	This course examines the use of quantitative modeling in the management of health care organizations. Emphasis is given to the application of standard modeling techniques to operational problems in health and medical care settings
PHC	6193	Qualitative Methods in Community Health Research	3	PH	CFH		This course provides classroom instruction and field application of qualitative research methods for studying community health problems. It provides a general

							introduction to ethnographic field methods, emphasizing systematic approaches to collection and analysis of qualitative data. Students will learn to identify the kinds of research problems for which qualitative methods are appropriate, and to critique qualitative research in terms of design, technique, analysis and interpretation.
PHC	6196	Information Systems in Health Care Management	3	PH	HPM	PR: PHC 6050 or CI.	The course is designed to prepare students to analyze and design information systems in health services organizations.
PHC	6197	Community Health Data Sources and Technology	3	PH	CFH		The purpose of this course is to provide experience in the management and analysis of data sets relevant to public health. Among the data sets considered are vital statistics, health care utilization databases, practitioner and other registries, periodic surveys, selected surveillance systems, and programmatic data.
PHC	6251	Disease Surveillance and Monitoring	3	PH	CFH		A review of epidemiological principles and methods used in the development and practice of disease and infection surveillance, prevention and control for public health in general and in the context of the hospital setting in particular. Basic epidemiological concepts will be focused in communicable diseases, nosocomial infections, environmental exposures, and emerging diseases. PR: Biostatistics Epidemiology, or CI.
PHC	6301	Analysis of Water and Wastewater	3	PH	EOH	PR: CHM 3610C or CI.	A study of treatment systems for water and wastewater. Emphasis is given to problems encountered in current technologies, health effects, and environmental impact.
PHC	6302	Municipal Sanitation	3	PH	EOH	PR: PHC 6357 or CI.	A study of environmental sanitation activities, programs, and issues of local government.
PHC	6303	Community Air Pollution	3	PH	EOH	PR: CHM 3610C or CI.	A study of air pollutants. Emphasis is given to sources and control technologies as well as health effects and environmental impact.
PHC	6304	Environmental Health Microbiology	3	PH	EOH	PR: MCB 3010C or CI.	Techniques for isolation and enumeration of microorganisms of health significance from food and aquatic sources.
PHC	6305	Chemical	3	PH	EOH	PR: CHM	Techniques used in quantitative and

		Methods in Environmental Health				3610C or CI.	qualitative chemical analyses for determining water quality.
PHC	6306	Radiation Health Principles	2	PH	EOH	PR: CI.	An analysis of the basic concepts of radiation and the protection of individuals and population groups from ionizing and non-ionizing radiation as well as establishing relationships between radiation exposure and biological damage.
PHC	6310	Environmental Occupational Toxicology	3	PH	EOH	PR: CI.	A study of the nature of industrial and environmental toxins and toxic by-products, generated and distributed, leading to disease, disability, or death, and the control measures available. Lecture and appropriate laboratory methods are used.
PHC	6312	Environmental Fate of Chemical Releases	3	PH	EOH	PR: CHM 2046, PHY 2054, MAC 2312 or CI.	Provides an understanding of the environmental and physico-chemical factors involved in the transport, transformation, and fate of compounds released to the environment. Material covered includes sources of chemical releases as well as the factors affecting the distribution and transformation of chemicals. Routes of exposure and accumulation by humans and other organisms will also be evaluated.
PHC	6314	Infection Control Program Design	3	PH	EOH	PR: CI.	This course will review educational program design for health care workers, instructional methods, personnel and financial resource management, role of Infection Control (IC) personnel, development of goals, mission statement, action plans for IC, evaluation of programs, communication with administration, physicians and care givers.
PHC	6315	Infectious Disease Prevention Strategies	3	PH	EOH	PR: CI.	This course focuses on surveillance criteria, outbreak criteria, data collection and study design. Also included will be data analysis and reporting; interaction with public health agencies; preparation for Joint Commission on Accreditation of Healthcare Organizations (JCAHO); prevention and intervention; sanitation, disinfection, antisepsis and sterilization; role of immunization, antimicrobial prophylaxis and therapy.
PHC	6317	Biological	2	PH	EOH	PR: CHM	This public health course will

		and Surface Monitoring				2200, CHM 2211, BSC 2010 and CI.	provide students with a thorough understanding of Biological Monitoring as a method of evaluating exposure to environmental agents. Students learn to distinguish between the limitations of this emerging technology and how to avoid pitfalls associated with misapplication of results. Students learn how to develop sampling strategies for specific chemicals.
PHC	6350	Occupational Health Risk Assessment	2	PH	EOH	PR: PHC 6050 or CI.	A study of methods for assessing potential hazards associated with occupational health environments. Evaluation of techniques for the development of comparative rankings of problem areas.
PHC	6351	Occupational Medicine for Health Professionals	2	PH	EOH	CI.	Designed to enhance the skills of select health professionals in identifying, evaluating and charting a course of action for medical conditions resulting from occupational exposures and hazards.
PHC	6353	Environmental Risk Assessment	2	PH	EOH	PR: CI.	Designed to provide training for students to develop the skills necessary to identify, characterize, quantify, and manage human health and ecological risks for the protection of human health and the environment.
PHC	6354	Safety and Health Administration	2	PH	EOH		A study of techniques and administrative practices which are instrumental in the initiation and maintenance of programs and procedures that are geared to prevent and reduce work related injuries, illnesses, and discomfort.
PHC	6356	Industrial Hygiene	2	PH	EOH	PR: CI.	A study of the recognition, evaluation, and control of the workplace affecting the health of employees.
PHC	6357	Environmental and Occupational Health	3	PH	EOH	PR: CI.	The study of major environmental and occupational factors that contribute to development of health problems in industrialized and developed countries.
PHC	6358C	Industrial Hygiene-- Physical Agents	2	PH	EOH	PR: PHC 6356 and 1 year college physics or CI.	Recognition, evaluation, and control of physical agents in the workplace. Laboratory exercises and field surveys will be conducted in addition to class lectures. Lec/Lab.
PHC	6359	Xenobiotic Metabolism	3	PH	EOH		Study of enzymes involved in biotransformation of foreign



		in Environmental and Occupational Health					compounds important in environmental and occupational health.
PHC	6360	Safety Management Principles and Practices	2	PH	EOH	PR: CI.	A study of safety management as it relates to hazard identification, accident investigation and training, enabling the safety manager to reduce costs to business, industry, and government.
PHC	6361	Industrial Ergonomics	2	PH	EOH	PR: PHC 6360 or CI.	Systems logic and methodology for assessing the potential impact of work environments on the health and safety of workers; application of occupational ergonomics and human factors to the design and evaluation of complex work environments.
PHC	6362	Industrial Ventilation	2	PH	EOH	PR: PHC 6356 or CI.	Basic principles of fluid mechanics and exhaust ventilation are employed in the design and evaluation of the performance of industrial ventilation systems.
PHC	6364	Industrial Hygiene Aspects of Plant Operations	2	PH	EOH	PR: PHC 6356 or CI.	Field visits to industrial plants will be conducted so as to familiarize students without prior experience to the health hazards associated with various processes and the methods of control employed to prevent excessive exposures.
PHC	6365C	Analytical Methods in Industrial Hygiene I	2	PH	EOH	PR: PHC 6356 or CI.	Analytical measuring methodologies and instruments employed in evaluating exposure to chemical agents are described and detailed. Hands-on laboratory exercises permit full familiarization in the calibration and use of these instruments. Problem solving sessions result in the development of a routine for the proper handling of laboratory data.
PHC	6366C	Analytical Methods in Industrial Hygiene II	2	PH	EOH	PR: PHC 6356 or CI.	Analytical measuring methodologies and instruments employed in evaluating exposure to physical agents are described and detailed. Hands-on laboratory exercises permit full familiarization in the calibration and use of these instruments. Problem solving sessions result in the development of a routine for the proper handling of laboratory data.
PHC	6367	Control Aspects of	2	PH	EOH	PR: PHC 6356, PHC 6358.	This course maps out the framework for industrial hygiene controls with

		Industrial Hygiene					an emphasis on engineering controls, administrative controls and personal protection. It is the capstone course for industrial hygiene students, who will apply their knowledge of hazard evaluation to the appropriate selection of controls.
PHC	6368	Industrial Toxicology	2	PH	EOH		This course will focus on specific industries, industrial processes and the chemicals that worker's may be potentially exposed to, and their impact on Public Health. The Standard Industrial Classification (SIC) division structure will be used to identify industries that have been studied by NIOSH or other agencies. For each industry identified, chemical hazards, exposure routes, toxicology effects, and monitoring methods will be discussed emphasizing the need for a multidisciplinary approach in providing information aimed at reducing worker exposures to industrial toxicants.
PHC	6371	Air Dispersion Modeling for Regulatory Compliance	3	PH	EOH		A study of air pollution meteorology (atmospheric energy balance, inversions and winds), micrometeorology (atmospheric fluid mechanics, turbulence, winds, stability classes, convective boundary layer) and atmospheric diffusion (different theories, Gaussian plume equation, air quality models, atmospheric removal processes), supported by a computer laboratory.
PHC	6401	Homelessness: Implications for Behavioral Healthcare	3	PH	CFH		A study of the structural, personal, treatment, and sociopolitical issues related to homelessness. Causes of homelessness from structural and personal factors are explored. Quantitative and qualitative data are reviewed to examine the experience of homelessness, pathways into homelessness including mental health, substance abuse, and violence/trauma. A special focus will be on the research conducted by the instructors on services for homeless families and the prevention of homelessness among individuals with severe mental illness.
PHC	6410	Social And	3	PH	CFH	PR: CI.	A review of the conceptual,

		Behavioral Sciences Applied to Health					empirical, and theoretical contributions of the Social and Behavioral Sciences as they contribute to an understanding of health and illness.
PHC	6411	Introduction to Social Marketing for Public Health	3	PH	CFH	PR: CI.	This course is designed to analyze the components and applications of social marketing for public health: theoretical foundations; research methods; strategy development; program design and implementation, materials pretesting, and ethics.
PHC	6413	Family and Community Violence in Public Health	3	PH	CFH		The objective of this course will be to identify and to focus on the most serious policy and research issues which are specific to the field of family violence. The course will cover theory, research, and applied programs in community settings.
PHC	6414	Adolescent Health	3	PH	CFH		The purpose of this course is to provide an overview of adolescent health issues and trends. With this primary aim, the objectives are organized around the knowledge of health assessment and interventions with adolescents and the skills needed for effective teaching methodologies to enhance health provider communication with adolescents. This course is not restricted to Public Health graduate students.
PHC	6418	Public Health and Aging	3	PH	CFH		A study of specific health promotion and disease prevention strategies for older adults in the context of community health, immunizations, nutrition, exercise, and stress management. Also management for chronic disease, delay of disabilities, and types of long term care deliver and settings are examined.
PHC	6419	Global Issues in Community and Family Health	3	PH	CFH		This course provides an overview of current public health issues and problems affecting communities and families around the world. A comparative approach is taken to highlight similarities and differences across countries at variable levels of socioeconomic development. Problems are addressed in terms of etiology, impact and intervention strategies. Reg. Permit Required. CI.
PHC	6420	Health Care Law,	3	PH	CFH		This is a survey course of the most significant issues in health care law.

		Regulation and Ethics					Core topics include licensure, malpractice, reproductive issues, the right to die, and managed care. Students will develop and understanding of substantive law, legal decision making, and the relationship between health care law and ethics. Graduate students from other departments may take the course.
PHC	6422	Environmental Health Law	2	PH	EOH	PR: EOH 6357.	Review and analysis of Federal and State laws and regulations in relation to the pollution, regulation and protection of the air, water, and environment issues in general.
PHC	6423	Occupational Health Law	2	PH	EOH	PR: EOH 6357.	Review and analysis of Federal and State laws and regulations in relation to Occupational Health and safety.
PHC	6430	Health Economics I	3	PH	HPM	PR: ECO 2023 or equiv. and CI.	Microeconomic analysis of the structure of the health care industry and economic incentives facing physicians, patients, and hospitals.
PHC	6433	Health Economics II	3	PH	HPM	PR: PHC 6430 or CI.	Second of a two part sequence surveying various applications of economic principles and methods to current issues in public health. Emphasis on efficiency goals of health care policy and the use of economic analysis in the design of such policy.
PHC	6435	Economics of Health Insurance	3	PH	HPM	PR: PHC 6430 or CI.	Presents an overview of major health insurance issues, including demand, supply, employment based coverage, the uninsured, government sponsored programs, managed care, and national health. The analysis will be based on microeconomic tools and is intended for management or policy oriented students with an interest in health insurance and managed care.
PHC	6441	Social Determinants of Health	3	PH	CFH	PR: PHC 6410.	The course provides students with a basic understanding of our society's most pervasive social disparities in health status and prepares students to evaluate underlying theories and promising interventions related to social determinants of health.
PHC	6482	Overview of United States and International Emergency/ Disaster Management	3	PH	EOH		Public Health and other professionals will be given an overview of the disaster management process. The course provides terms, definitions, and concepts of emergency management from a local, national, and international perspective.

PHC	6500	Foundations of Health Education	3	PH	CFH	PR: CI.	Study of the historical, social and cultural factors influencing health behavior and the practice of health education.
PHC	6505	Health Education Program Planning	3	PH	CFH	PR: PHC 6500 or CI.	Analysis of the planning and development process for health education programs.
PHC	6506	Community Health Education	3	PH	CFH	PR: PHC 6500 or CI.	Analysis of major community health problems, their causes, the roles of individuals, community institutions, and government in effecting solutions. Emphasis is upon participation and organization for community health. Class and field work sessions.
PHC	6507	Health Education Methods	3	PH	CFH	PR: PHC 6500 or CI.	Prepares students to analyze and incorporate effective content and process in health education program delivery. Course not restricted to health education majors.
PHC	6508	Case Studies in Health Education	3	PH	CFH	PR: PHC 6500, 30 hours toward MPH, or CI.	An assessment of selected case studies in Health Education with an emphasis on application, analysis, and evaluation of health education theory and practice to various public, private, health care, and school settings.
PHC	6510	Exotic and Infectious Disease	3	PH	EOH	PR: CI.	A study of human infectious disease with particular emphasis on diseases caused by parasites, viruses, bacteria, and fungi found in sub-tropical and tropical environments.
PHC	6511	Tropical Health Immunology	3	PH	EOH	PR: CI.	Immunology as applied to public health. Emphasis is on applications of immunology and immunological techniques used in surveillance, prevention, and control of public health problems.
PHC	6512	Vectors of Human Disease	3	PH	EOH	PR: CI.	Biology of the vectors of human disease: major groups include the arthropods, mollusks, and mammals. Emphasis on the ecology of the vectors and their transmission of pathogens as they relate to public health.
PHC	6513	Public Health Parasitology	3	PH	EOH	PR: CI.	Human diseases caused by parasite infection with emphasis on diseases related to environmental exposure and of public health importance. Major groups include the protozoan, cestodes, trematodes, and nematodes of human disease.
PHC	6514	Infectious	3	PH	EOH	PR: PHC 6000.	Focuses on disease control strategies

		Disease Control in Developing Countries					for selected infectious and communicable diseases. Diseases covered have been selected on the basis of their relative contribution to the burden of disease in developing countries.
PHC	6521	Public Health Nutrition	3	PH	CFH	PR: CI.	An analysis of nutritional issues concerned with health and disease. Biological and social interactions are studied as they relate to the development, monitoring, and evaluation of community nutrition intervention programs.
PHC	6522	The Biological Role of Nutrition in Health	3	PH	CFH	PR: HUN 2201, ZOO 3713C, PCB 4723, BCH 3023, or CI.	Advanced study of the biochemical and physiological roles of nutrition in health and disease.
PHC	6523	Policies and Practices in Maternal and Child Nutrition	3	PH	CFH	PR: CI.	Study of nutrition policies and practices in maternal and child health from pregnancy through the pre-school years. Focus on issues concerned with risk identification, interventions and outcome evaluations.
PHC	6524	Public Health Nutrition for the Adult and Aging Population	3	PH	CFH	PR: PHC 6521, PHC 6522, or CI.	Study of policies and practices of nutrition in health promotion and disease prevention in adults. Focus on issues concerned with risk identification, nutrition interventions and outcome evaluations.
PHC	6526	Nutrition Assessment of Individuals and Communities	3	PH	CFH	PR: PHC 6521, PHC 6522, or CI.	Comparative study of anthropometric, biochemical, dietary, clinical and socioeconomic indicators of nutritional status including the differential use of these indicators for individuals and communities.
PHC	6527	Case Studies in Public Health Nutrition	3	PH	CFH	PR: CI.	Capstone course intended to provide a unifying opportunity to utilize concepts, principles and skills learned from other public health nutrition courses.
PHC	6530	Maternal and Child Health I: Issues and Concepts	3	PH	CFH	PR: CI.	The purpose of this course is to provide for the foundation of Maternal and Child health for students who will be concentrating in this area, or as an overview for non-majors.
PHC	6531	Health Programs for Children with Special Needs	3	PH	CFH	PR: CI.	A study of causative factors, characteristics, care needs and programs for handicapped children with emphasis on health and health care issues.

PHC	6532	Women's' Health Issues in Public Health	3	PH	CFH	PR: CI.	A public health orientation of women's health needs with their impact on society, family, and children.
PHC	6533	Health Program Development and Change Process	3	PH	CFH	PR: CI.	A study of approaches to program development, implementation and management of change process in maternal and child health.
PHC	6534	Cultural Competency in Children's Mental Health	3	PH	CFH	PR: Graduate Status	The course will explore the need of cultural competence in provision of mental health services in a multicultural society. The course will examine culture and ethnicity, multiculturalism, and intercultural communication. The course will define cultural competence from the perspective of the current different approaches to the concept, and examine cultural competence at both mental health systems and service provision levels. Case studies of how cultural competence is implemented by different mental health organizations will be examined.
PHC	6535	International Maternal and Child Health	3	PH	CFH	PR: CI.	The course examines current priorities for improving the health of mothers and children in developing countries. The emphasis is on understanding MCH issues within the larger context of primary health care and sociocultural factors which influence behavior.
PHC	6536	Population and Community Health	3	PH	CFH	PR: PHC 6410 or CI.	Population information and applications in health programs. Topics include: population growth and decline, structure, distribution, fertility, morbidity and mortality, and migration as applied to maternal, child and community health.
PHC	6537	Maternal And Child Health II: Case Studies in MCH Programs, Policies and Research	3	PH	CFH	PR: PHC 6530, PH Core Courses, or CI.	Capstone course intended to provide unifying opportunity to utilize concepts, principles, and skills learned in other MCH and public health courses.
PHC	6540	Public Mental Health	3	PH	HPM	PR: CI.	Current state of community mental health emphasizing history and future of the movement and involvement of public agencies; methods, goals, evaluation of

							treatment, funding and administration of programs.
PHC	6541	Public Mental Health Administration	3	PH	HPM	PR: PHC 6540, PHC 6102 or CI.	General principles of management theory, methods, administrative processes, and organizational structure of public and private mental health organization in hospital and ambulatory care settings.
PHC	6542	Epidemiology of Mental Disorders	3	PH	EPB		A study of the factors that determine the frequency and distribution of mental disorders in human populations. Mental health intervention strategies also will be explored.
PHC	6543	Foundations in Behavioral Health Systems	3	PH	CFH	PR: Graduate Status	This web-based course is a graduate course in Behavioral Health within the Department of Community and Family Health. It is designed to provide the graduate student with an overview and understanding of the significant issues and trends in community & family mental health delivery systems in America. Four major areas of mental health will be emphasized: 1) history and legislation; 2) systems delivery; 3) programs and policies; 4) and selected at-risk populations.
PHC	6544	Children's Mental Health Services	3	PH	CFH	PR: Permit Required CI	The content of this course is designed to prepare professionals to work in partnership with families and other professionals and participate in interdisciplinary teams in a variety of settings to meet the needs of children with mental health problems.
PHC	6545	Evaluation in Mental Health	3	PH	CFH	PR: Biostatistics I or Equivalent	A study of the theories and practical approaches to the development of evaluative methods for behavioral health.
PHC	6547	Case Management in Community Mental Health	3	PH	CFH	PR: Graduate Status	This course focuses on case management systems with a special emphasis on clinical case management for vulnerable populations, especially persons with severe mental illness and older adults. This course is designed for persons who are interested in providing case management services, managing such services, or have an interest in the field. The course examines elements critical for the effective provision and evaluation of



							case management services.
PHC	6548	Grant Writing in Mental Health	3	PH	CFH	PR: Graduate Status	This course focuses on the process and problems of grant writing in mental health. The course is designed for persons who are interested in identifying and evaluating mental health research questions and demonstration projects. The curriculum examines criteria for good mental health research and provides students with tools for successful grant writing. Students will learn how to develop and market fundable project ideas, where to start, what funding agencies look for, and how to construct a fundable mental health proposal.
PHC	6549	HIV and Mental Health	3	PH	CFH	PR: Graduate Status	This course will provide students with an interdisciplinary understanding of HIV/AIDS, focusing primarily on behavioral health and ethical issues. Students will study the unique contributions to prevention and treatment that both mental healthcare workers and theories can make to persons affected by HIV.
PHC	6550	Community-Based Prevention in Behavioral Health	3	PH	CFH	PR: Graduate Status	This web-based course is a graduate course in Behavioral Health within the Department of Community and Family Health. It is designed to provide the graduate student with an overview and understanding of the significant issues and trends in community & family behavioral health with an emphasis on behavioral health promotion and disease prevention. Major areas are: 1) overview of promotion and prevention in the United States; 2) systems delivery; 3) programs and Policies; 4) and selected at-risk populations.
PHC	6562	Microbiology for Healthcare Workers	3	PH	CFH	PR: BSC 2010, BSC 2011, CHM 2046, or CI.	An overview of contemporary microbiology, with emphasis on the significance of microorganisms in the environment and clinical disease. The structure, physiology, molecular genetics, taxonomy, immunological and clinical aspects, and public health implications of microorganisms will be covered.
PHC	6590	Reproductive Health Trends And	3	PH	CFH	PR: CI.	Provides understanding of reproductive factors in Health and Disease and its impact on

		Issues					community, family, and individual quality of life, and to apply current advances in FP and MCH care components and management in Public Health Programs.
PHC	6700	Research Methods in Epidemiology	3	PH	EPB	PR: PHC 6000, PHC 6050 and CI.	Planning, execution, analysis and intervention of epidemiological studies.
PHC	6701	Computer Applications for Public Health Researchers	3	PH	EPB	PR: CI.	Course covers essential computer-based techniques for a public health researcher; data entry, editing, management, subsample selection, and data encryption for confidentiality are all covered. SAS is used extensively. Course open to all graduate students.
PHC	6705	Formative Research Methods in Social Marketing	3	PH	CFH	PR: Introduction to Social Marketing	This course is designed to familiarize students with the basic principles and techniques in conducting formative research for social marketing program development. The major topics covered include: principles of formative research design, qualitative data collection methods, interviewing techniques, qualitative data analysis, survey design, pretesting, and implementation, ethical principles and protection of human subjects.
PHC	6706	Focus Group Research Strategies	3	PH	CFH		This course is an intensive overview of focus group procedures in the public health environment. Attention will be placed on question development, moderator skills, analysis strategies and planning critical logistical details of focus group interviews, and analyzing results of focus group interviews. The course will examine unique methodological characteristics of focus group interviews, identify emerging trends, and explore areas of appropriate and inappropriate use.
PHC	6707	Evaluative Approaches to Community and Family Health Education Programs	3	PH	CFH	PR: PHC 6500 and PHC 6505 or PHC 6530 or CI.	Examination of research and evaluation issues in health education. Includes methods for designing studies in schools and other educational settings in the community.
PHC	6712	Air Pollution Research	1	PH	CFH		This seminar course is designed to facilitate communication, sharpen

		Seminar					research skills in the context of air pollution monitoring and modeling.
PHC	6715	Research Foundations in Public Health	3	PH	CFH	PR: PHC 6000 and PHC 6050.	Course covers foundations of research for understanding and evaluating public health research; plus how to plan and conduct research with minimal assistance including proposal development, grant writing and budgets. Nonmajors accepted. Non-repeatable.
PHC	6760	Health Program Evaluation	3	PH	HPM	PR: PHC 6430, PHC 6180, and PHC 6151 or CI.	The course develops the skills needed to evaluate health and medical care programs. Emphasis is given to research design, determination of qualitative and quantitative criteria, measurement techniques, and interpretation of findings
PHC	6907	Independent Study: Public Health	1-3	PH	PHC	PR: CI. S/U.	Independent study determined by the student's needs and interests.
PHC	6930	Public Health Seminar	1-3	PH	PHC	PR: Graduate Standing. S/U.	Interaction of faculty, students and select health professionals in relation to public health issues and research.
PHC	6931	Advanced Seminar In Social & Behavioral Sciences Applied To Health	3	PH	CFH	PR: CI.	The course overviews the use of social science theory and methods in health problem analysis and program design. For students with appropriate background.
PHC	6934	Selected Topics in Public Health	1-6	PH	PHC	PR: CI.	The content of this course will be governed by student demand and instructor interest.
PHC	6945	Supervised Field Experience	1-12	PH	PHC	PR: CI. S/U only.	Internship in a public health agency or setting. Application of administrative, program, and/or research models now employed in government and private public health organizations.
PHC	6971	Thesis: Master Of Science in Public Health	2-19	PH	PHC	PR: CI.	Research-oriented study for students seeking the M.S. degree in Public Health.
PHC	6977	Special Project: MPH	3	PH	PHC	PR: CI. S/U.	In-depth study of a selected issue in public health. A topic will be selected according to student's needs and interests.
PHC	7001	Practical Issues in Epidemiology	3	PH	EPB	PR: PHC 6000.	Provides an understanding of the everyday tasks faced by an epidemiologist working in the field from hypothesis generation to writing up of study findings.

							Required for Ph.D. students; elective for all other graduate students.
PHC	7015	Epidemiologic Study Design and Protocol Development	3	PH	EPB	PR: PHC 6000, PHC 6700, PHC 6051 and CI.	The course will provide the student with the opportunity to acquire knowledge and skill in formulating a research problem and developing an appropriate epidemiologic study design. A detailed proposal will be developed, presented, and defended.
PHC	7018	Environmental Epidemiology	3	PH	EPB	PR: PHC 6000 and CI.	This course will consider the relationship between environmental (non-occupational) factors and the occurrence of disease in human populations, including the chemical and physical extrinsic agents to which humans are exposed.
PHC	7019	Occupational Epidemiology	3	PH	EPB	PR: PHC 6000 and CI.	Examines the existing epidemiologic data pertaining to the health effects of specific occupational exposures and the epidemiologic methods involved in the conduct of occupational studies.
PHC	7028	Advanced Clinical Trials	4	PH	EPB	PR: PHC 6000, PHC 6050, PHC 6700, PHC 6701, PHC 6017.	The many facets of clinical trials will be covered including study design, ethics, monitoring, and analysis. Real datasets will be used to provide the student with the opportunity to learn database management and data analysis using SAS.
PHC	7054	Advanced Biostatistical Methods	3	PH	EPB	PR: CI	This course introduces students to both theoretical and practical problems in specialized advanced topics in Biostatistics. Alternate topics include Applied Multivariate Statistics, Nonparametric Methods, Spatial Statistics in Health Sciences and Advanced Sampling Design. Students can take this course repeatedly.
PHC	7055	Biostatistical Computing	3	PH	EPB	PR: STA 6447 and PHC 7058, or CI.	This course provides a broad foundation in modern biostatistical computing methods relevant to public health research. It prepares Ph.D. students with advanced computing skills for dissertation research. Topics include algorithms in matrix algebra, Newton Raphson, Fisher's scoring, the EM algorithm, bootstrap, random number generation, Monte Carlo Markov Chain, and data augmentation.
PHC	7056	Longitudinal Data Analysis	3	PH	EPB	PR: PHC 7058 and PHC 7053 or CI.	This course is a discussion of recent development of methods for analysis of longitudinal data. Covered topics

							include generalized estimating equations, mixed effects models, hierarchal models.
PHC	7058	Biostatistical Inference II	3	PH	EPB	PR: STA 6447 or CI.	This course covers the foundation of biostatistical inference, required for biostatistic program. Topics include likelihood theory, modern Bayes theory, estimation and testing, non-parametric theory.
PHC	7059	Advanced Survival Data Analysis	3	PH	EPB	PR: STA 6647 and PHC 7058	This course addresses advanced topics of survival data analysis. Topics include recurrence multiple events and faulty models. Counting process based theory is discussed. Real data sets are used for illustration.
PHC	7065	Generalized Linear Models	3	PH	EPB	PR: PHC 7058	The course provides an in-depth coverage of the theory of generalized linear models with application in public health. Topics covered are numerical algorithms, exponential family, modeling checking, logistic regression, loglinear models, estimating equations.
PHC	7152	Policy and Practice in Community and Family Health	3	PH	CFH		This course is designed to prepare students to critically analyze issues and develop skills pertaining to effective policy development and practice in community and family health public health programs.
PHC	7317	Risk Communication in Public Health	2	PH	CFH		Communicating with the public about environmental and occupational health risks that affect individuals, families, and communities is a central task facing public health professionals. Analyzes the structure, function, content and process of risk communication in order to maximize effective, responsible and ethical public interaction and to describe the issues related to the legal implementation of risk communication in public health organizations.
PHC	7368	Aerosol Technology in Industrial Hygiene	3	PH	EOH	Admission to Ph.D. program or CI.	An advanced study of the properties, behavior, and measurement of aerosols, including the physical and chemical principles affecting behavior. Various applications of aerosol technology in industrial hygiene will be investigated, including inhalation and deposition of aerosols, aerosol sampling, and

							control.
PHC	7417	Family Systems and Public Health	3	PH	CFH		Intended for doctoral students in Community and Family Health interested in social and behavioral theories of family and health behavior. Covers an array of theoretical perspectives related to the process, structure and function of systems. Examines the human values associated with intimate and non-intimate relationships that comprise healthy relational settings. Implications of these conceptual and theoretical frames for public health issues will be discusses.
PHC	7509	Theoretical Foundations Community and Family Health	3	PH	CFH		This course is designed for beginning public health doctoral students specializing in Community and Family Health to encourage scholarly discourse of pertinent concepts, theories, and paradigms, and the critical analysis of related scholarly works.
PHC	7703	Advanced Research Methods in Epidemiology	3	PH	EPB	PR: PHC6700. CR: Computer Applications.	Course emphasizes summary and statistical analysis of data. Methods include life tables, logistic and proportional hazards regression, assessment of confounding, interaction, and bias. Includes a two-hour weekly computer lab.
PHC	7708	Applied Research Methods in Community and Family Health	3	PH	CFH	PR: PHC 6050, PHC 6700, PHC 6707, or CI.	A detailed study of philosophical questions and applied techniques of research in community and family health. A project oriented course to prepare students to conduct their own independent research.
PHC	7709	Case Studies in the Quantitative Analysis of Public Health Data	3	PH	CFH	PR: PHC 6051 or Equivalent.	Focuses on training students in public health applications of multivariate analytic techniques including factor analysis, regression analysis, multivariate analysis of variance, event history analysis, multi-level modeling and structural equation modeling.
PHC	7908	Specialized Study in Public Health	1-9	PH	PHC	PR: CI. Advanced graduate standing.	Demonstration of an in-depth study in a specialized public health area. This study may be used to address areas where a student needs to demonstrate a higher level of competency.
PHC	7910	Directed Research	1-19	PH	PHC	PR: CI, Graduate Standing. S/U only.	Advanced research design and application.

PHC	7931	Advanced Interdisciplinary Seminar in Public Health	1-3	PH	PHC	PR: Advanced Standing, Ph.D. or Advanced Master's only. For advanced graduate students in Public Health programs.	Students, faculty and other health professionals will participate in presenting and discussing contemporary health issues and possible solutions.
PHC	7934	Writing for Scholarly Publication in Health Science	3	PH	PHC		The purpose of this course is for the development of skills that culminate in publishable works in health-related journals and other related publications. There will be an emphasis on writing, editing, reviewing and other applicable skills.
PHC	7935	Special Topics In Public Health	1-3	PH	PHC	PR: CI.	Content will include recent or current issues in public health.
PHC	7980	Dissertation	2-19	PH	PHC	PR: Admission to candidacy.	
PHH	6265	Continental Philosophy I: Phenomenology to Hermeneutics	3	AS	PHI		A general survey of the 20th century continental schools of phenomenology, ontology, and hermeneutics, with special emphasis on the works of Husserl and Heidegger.
PHH	6266	Continental Philosophy II: Political Theory and Continental Social Theory	3	AS	PHI		A general survey of the 20th century continental social and political theory, dealing with both the younger and the older generations of the Critical Theory tradition, together with their contemporaries and critics.
PHH	6267	Continental Philosophy III: From Structuralism to Deconstructivism	3	AS	PHI		An examination of leading philosophical texts in 20th century continental philosophical movements known as structuralism, post-structuralism, postmodernism, and deconstruction, with special emphasis on the works of Michel Foucault and Jacques Derrida.
PHH	6938	Seminar in the History of Philosophy	3	AS	PHI	PR: GS or CI.	A seminar in the history of philosophy. The instructor will determine the subject matter. Variable titles: Ancient, Modern, Recent, Contemporary.
PHI	5135	Symbolic Logic	3	AS	PHI	PR: PHI 2100 or CI.	Study of topics such as the following: Metatheory of propositional and predicate logic, related metatheoretic results, alternative logic.
PHI	5225	Philosophy of Language	3	AS	PHI	PR: Eight hours of philosophy,	An examination of semantically, syntactical, and functional theories

						major in linguistics, or CI.	of language with special attention given to the problems of meaning, linguistic reference, syntactical form, and the relations between scientific languages and ordinary linguistic usage. Seminar format.
PHI	5913	Research	1-4	AS	PHI	PR: CI. Approval slip from instructor required.	Individual research supervised by a faculty member.
PHI	5934	Selected Topics	1-3	AS	PHI	PR: CI. Approval slip from instructor required.	Selected topics according to the needs of the student.
PHI	6105	Seminar in Logic	3	AS	PHI	PR: GS or CI.	Foundations and basic problems of logical theory. Seminar format.
PHI	6155	Modal Logic	3	AS	PHI	PR: PHI 2100 and GS or CI.	A study of the main systems of Modal Logic together with their metatheory, with considerable attention to the varieties of modality.
PHI	6305	Seminar in Epistemology	3	AS	PHI	PR: Major in philosophy or psychology and CI.	An analysis of recent and contemporary problems of knowledge. Seminar format.
PHI	6405	Seminar in the Philosophy of Natural Science	3	AS	PHI	PR: GS or CI.	A study of the nature and status of physical theories, some basic problems associated with scientific methodology, and the philosophical implications of modern science. Seminar format.
PHI	6425	Seminar in the Philosophy of Social Science	3	AS	PHI	PR: 8 hours of philosophy or CI.	Philosophical issues arising in the social sciences; value assumptions, laws and the theories, models, etc. Seminar format.
PHI	6506	Seminar in Metaphysics	3	AS	PHI		In this course students will examine selected topics in classical and contemporary metaphysics, for example, the concept and categories of Being or existence, the existence of God, the problem of universals or general terms, the a priori, the mind-body problem, and the identity thesis.
PHI	6605	Seminar in Ethics	3	AS	PHI	PR: GS and CI.	Advanced study of the problems of moral philosophy.
PHI	6634	Seminar in Biomedical Ethics	3	AS	PHI		A focused examination of a particular topic in biomedical ethics such as clinical bioethics, healthcare organizational ethics, philosophy of medicine, medical ethics and law, or medical ethics and conflict resolution.
PHI	6665	Metaethics	3	AS	PHI	PR: PHI 2600	A study of alternative theories of



						or CI or GS.	metaethics including emotivism, moral point of view, supererogate virtue theory.
PHI	6706	Seminar in the Philosophy of Religion	3	AS	PHI	PR: GS or CI.	An analysis of fundamental religious concepts in terms of contemporary philosophy. Seminar format.
PHI	6808	Seminar in Aesthetics	3	AS	PHI	PR: GS or CI.	An analysis of fundamental special problems of aesthetics; value, perception, communication, technique, context. Seminar format.
PHI	6908	Directed Research	1-19	AS	PHI	PR: GR. ML. S/U.	
PHI	6934	Selected Topics	1-3	AS	PHI	PR: GS and CI.	Selected topics according to the needs of the student. Approval slip from instructor required.
PHI	6945	Graduate Instruction Methods	1-3	AS	PHI	S/U.	Special course to be used primarily for the training of teaching assistants.
PHI	6971	Thesis: Master's	2-19	AS	PHI	PR: CC. S/U.	
PHI	7980	Dissertation: Doctoral	2-19	AS	PHI	PR: Admission to candidacy.	
PHM	5125	Topics in Feminist Philosophy	3	AS	PHI		A study of recent feminist philosophical approaches to epistemology, aesthetics and political philosophy. May also be taken for credit in Women's Studies.
PHM	5126	Social Issues in Biomedical Ethics	3	AS	PHI		An examination of the social and political issues arising from rapid changes in medicine and technology. Topics covered may include social issues related to the just distribution of health care, reproductive technologies, HIV and AIDS, eugenics, genetic testing, and maternal-fetal relations.
PHM	6105	Seminar in Social Philosophy	3	AS	PHI	PR: CI.	A detailed study of the philosophical theories of society, class societies (Capitalism), advanced technocracy (all types). Seminar format.
PHM	6305	Seminar in Political Philosophy	3	AS	PHI	PR: GS or CI.	An examination of the main political philosophies. Seminar format.
PHM	6406	Seminar in the Philosophy of Law	3	AS	PHI	PR: GS or CI.	A study of the metaphysical, ethical, and epistemological bases of law. Seminar format.
PHM	6506	Seminar in the Philosophy of History	3	AS	PHI	PR: GS or CI.	The analysis of language and logic of historical explanation, historical idealism, historical materialism, positivism, and historical sociology. Seminar format.
PHM	6646	Seminar in	3	AS	PHI		This course presents and critically

		Development Ethics					examines the major ethical theories related to both national and international development institutions, policies, and practices. Open to all graduate students.
PHP	6005	Plato	3	AS	PHI	PR: GS or CI.	A systematic study of Plato's dialogues.
PHP	6015	Aristotle	3	AS	PHI	PR: GS or CI.	A systematic study of Aristotle's philosophy.
PHP	6415	Kant	3	AS	PHI	PR: GS. CR: Computer Applications.	A survey of Kant's critical philosophy, emphasizing transcendental epistemology and Kant's critique of metaphysics. This course is open to graduate students (majors and non-majors). Prior knowledge of the history of philosophy is required, in particular of early-modern philosophy.
PHT	5021	Professional Issues I	2	ME	PHT		Foundations of systems thinking, decision making, professional expression, responsibility, and accountability (including legal/ethical concepts), culture and argumentation for the roles of the physical therapist in administration, consultation, critical inquiry, education and patient/client management. Restricted to majors.
PHT	5022	Professional Issues II	2	ME	PHT		An introduction to critical injury and educator roles and responsibilities; explores the concepts of decision-making, evaluation of research, theories of learning, research and clinical pathways. Restricted to majors.
PHT	5023	Professional Issues III	3	ME	PHT		Focus on legal, ethical, and professional responsibility and accountability of the physical therapist. Learners will further develop their abilities to make legal and ethical decisions. The class will examine state laws governing the practice of physical therapy and other health care services. Restricted to majors.
PHT	5171C	Foundational Science I	3	ME	PHT		Introduction to the peripheral neuromuscular, skeletal, integumentary, and circulatory systems in normal and pathological states. Includes the anatomy and physiology of bones, joints, skin, nerves, and blood vessels, as well as the response of these tissues to injury and their potential for healing.

							Restricted to majors.
PHT	5172C	Foundational Science II	1	ME	PHT		Emphasis on physiology of the peripheral sensorimotor and cardiopulmonary systems. Restricted to majors.
PHT	5173C	Foundational Science III	2	ME	PHT		Emphasis on physiology of the peripheral sensorimotor and cardiopulmonary systems. Restricted to majors.
PHT	5184	Movement Science I	2	ME	PHT		A basic introduction to movement science and its foundational principles from four different perspectives: biomechanics; kinesiology; exercise physiology; and motor control, learning and development. Restricted to majors. Repeatable for 2 cr.
PHT	5185	Movement Science II	3	ME	PHT	PR: PHT 5184	Elaboration of movement science principles with emphasis on biomechanics, kinesiology, functional anatomy, exercise physiology, histopathology, motor control and connective tissue properties. Restricted to majors. Repeatable for 3 cr.
PHT	5271	Patient/Client Management I	3	ME	PHT		Foundational principles of histology, pathology, histopathology, applied biomechanics, pharmacology and clinical medicine are introduced and applied to the physical therapy management of individuals with musculoskeletal disorders involving the limbs. Restricted to majors.
PHT	5272	Patient/Client Management II	2	ME	PHT		Application of principles of patient/client management to patients with cardiopulmonary disease or dysfunction and diabetes in order to identify and write plans of care for related movement dysfunction. Restricted to majors.
PHT	5273	Patient/Client Management III	3	ME	PHT		Learners apply principles of patient/client management to patients with progressive, non-progressive diseases and injuries of the nervous system. Restricted to majors.
PHT	5275C	Physical Therapy Science I	4	ME	PHT		Introduction to physical therapy skills in examination, evaluation, and diagnosis for clients with uncomplicated musculoskeletal impairments involving the extremities. Emphasis on obtaining a history and performing physical therapy tests and measures leading to a differential diagnosis by

							application of principles of movement. Restricted to majors.
PHT	5276C	Physical Therapy Science II	4	ME	PHT		Introduction to physical therapy skills used in examination, evaluation, diagnosis of and intervention for clients with activity limitations associated with cardiovascular, hematological, or pulmonary disorders. Major emphasis on selecting, justifying, administering, and interpreting physiological responses to physical agents and therapeutic exercises. Restricted to majors.
PHT	5277C	Physical Therapy Science III	3	ME	PHT		Examination, evaluation, diagnosis, and intervention for movement-related problems secondary to impairments of the nervous system. Contemporary theories of motor development, motor learning and motor control will be introduced. Student knowledge will be demonstrated with clinical problem-solving scenarios. Restricted to majors.
PHT	5283C	Physical Therapy Procedures	3	ME	PHT		Introduction to selected physical therapy interventions, obtaining a patient history, and conducting a systems screen. Restricted to majors. Repeatable for 3 cr.
PHT	5316	Medical Management I	1	ME	PHT		Introduction to medical diagnostics, pharmacological principles, and common orthopedic surgical procedures as components of medical management including repair of bone and soft tissue. Restricted to majors. Repeatable for 1 credit.
PHT	5380	Medical Management II	1	ME	PHT	PR: PHT 5316	Seminar on the medical and surgical management; epidemiology; pathophysiology; pharmacology of injuries and diseases of the cardiopulmonary system including repair and regeneration. Restricted to majors. Repeatable for 1 credit.
PHT	5822	Clinical Education I	3	ME	PHT		Initial clinical practice experience for the development of patient care skills. The course is graded Satisfactory/Unsatisfactory. Restricted to majors.
PHT	5906	Directed Independent Study	1-10	ME	PHT		Directed independent stud, content to be decided. Restricted to majors.
PHT	5934	Special	1-10	ME	PHT		Exploration of physical therapy

		Topics I					practice issues. Topics may vary each semester the course is offered. A seminar and/or lab course. Restricted to majors. Not repeatable for credit.
PHT	5960	Clinical Proficiency and Problem Solving I	1	ME	PHT		Practicum for patient/client management of individuals with musculoskeletal related movement disorders complemented by direct patient care learning. Restricted to majors. Repeatable for 1 credit hour.
PHT	5961	Clinical Proficiency and Problem Solving II	1	ME	PHT	PR: PHT 5960	Practicum for the synthesis of skills, knowledge, and values for management of individuals with cardiopulmonary and endocrine related movement disorders complemented by direct patient care learning. Restricted to majors. Repeatable for 1 credit hour.
PHT	6186	Movement Science III	4	ME	PHT	PR: PHT 5184, PHT 5185	Integration of movement science concepts (biomechanics; kinesiology; functional anatomy; motor control, learning and development; and exercise physiology) to planning interventions for complex movement disorders. Restricted to majors. Repeatable for 4 cr.
PHT	6313	Medical Management III	1	ME	PHT	PR: PHT 5380	Seminar on the medical and surgical management; epidemiology; pathophysiology; pharmacology, and repair of common injuries to and diseases of the nervous system across the life span. Restricted to majors. Repeatable for 1 credit hour.
PHT	6341	Medical Management II	1	ME	PHT	PR: PHT 6313	Seminar on the medical and surgical management; epidemiology; pathophysiology, and pharmacology of complex multisystem disorders and movement disorders across the life span. Restricted to majors. Repeatable for 1 credit hour.
PHT	6391C	Foundational Science IV	2	ME	PHT		Application of the movement sciences to examination, evaluation, diagnosis, intervention, and prevention of movement dysfunction related to the musculoskeletal, cardiopulmonary, and neuromuscular systems. Restricted to majors.
PHT	6392C	Foundational Science V	1	ME	PHT		Application of the behavioral foundational sciences (sociology, psychology, human development) and biopsychosocial model to each of the roles of the physical therapist.

						Restricted to majors.
PHT	6521	Professional Issues IV	3	ME	PHT	Focuses on the administrative role of the physical therapist. Includes formulation of budgets, policies, procedures, reimbursement, legal concepts of risk management and malpractice, and the ethical concept of pro bono service and the APTA judicial process. Restricted to majors.
PHT	6522	Professional Issues V	2	ME	PHT	Development of a strategic plan for professional growth which reflects commitment to all roles of the Physical Therapist (administration, consultation, critical injury, education and patient/client management) and exploration of the nature of individual and cultural differences, organizational cultures, mentoring, and leadership. Restricted to majors.
PHT	6606	Critical Inquiry I	3	ME	PHT	Introduction to critical inquiry skills of the physical therapist with successful preparation of an in-depth literature review on a selected topic in musculoskeletal or cardiopulmonary movement disorders. Restricted to majors. Repeatable for 3 credits.
PHT	6731	Patient/Client Management IV	3	ME	PHT	Learners adapt principles of patient/client management to complex patient situations in order to identify and state movement dysfunctions and to write plans of care. Restricted to majors.
PHT	6732	Advanced Patient/Client Management II	2	ME	PHT	Learners adapt principles of patient/client management to lifestyle and socioeconomic issues in order to identify dysfunctions that can be addressed by the physical therapist. Restricted to majors.
PHT	6735C	Physical Therapy Science IV	4	ME	PHT	The role of the physical therapist in ameliorating activity limitations and participation restrictions encountered by people with physical impairments. Emphasis will be placed on the physical therapy assessment and intervention procedures intended to identify and minimize physical disabilities occurring secondary to traumatic, acquired or congenital amputation and disorders of the spine. Restricted to majors.

PHT	6736C	Advanced Physical Therapy Science II	2	ME	PHT		Focus on the physical therapist in ameliorating activity limitations and participation restrictions encountered by people with irreversible physical impairments. Emphasis on the physical therapy assessment and intervention procedures to identify and minimize physical disabilities occurring secondary to complex, multi-system disorders. Restricted to majors.
PHT	6823	Clinical Education II	17	ME	PHT	CR: PHT 5822	A 20 week clinical internship experience that takes place in a comprehensive center or cluster of centers. Course is S/U graded. Restricted to majors.
PHT	6935	Special Topics II	1-10	ME	PHT		Analysis of issues related to the education, critical inquiry, administration, and/or consultant roles of the physical therapist. Topics in this seminar may vary each semester. Restricted to majors. Not repeatable for credit.
PHT	6962	Clinical Proficiency and Problem Solving III	1	ME	PHT	PR: PHT 5961	Practicum for the synthesis of skills, knowledge, and values required for the management of individuals with neuromuscular related movement disorders complemented by direct patient care learning. Restricted to majors. Repeatable for 1 credit hour.
PHT	6963	Clinical Proficiency and Problem Solving IV	1	ME	PHT	PR: PHT 6962	Practicum for the synthesis of skills, knowledge, and values management of individuals with complex movement and multisystem disorders complemented by direct patient care learning. Restricted to majors. Repeatable for 1 credit hour.
PHT	7401	Psychosocial Aspects of PT Practice	3	ME	PHT		Utilization of behavioral foundational sciences and the biopsychosocial model and their contribution to patient/client management and understanding organizational behavior. Restricted to majors. Repeatable for 3 credit hours.
PHT	7617	Critical Inquiry II	2	ME	PHT	PR: PHT 6606	Course involves the preparation of a patient case report related to movement disorders secondary to a neuromuscular or complex multi-system problem. Restricted to majors. Repeatable for 2 credits.
PHT	7618	Critical Inquiry III	3	ME	PHT	PR: PHT 7617	Development, implementation, and presentation of a capstone investigative project. Restricted to

							majors. Repeatable for 3 credits.
PHT	7817	Critical Education II	6	ME	PHT	PR: PHT 6806, PHT 6962, PHT 6963	Intermediate clinical education to develop skills in inpatient physical therapy centers. Satisfactory/Unsatisfactory grade. Restricted to majors. Repeatable for 6 credit hours.
PHT	7823	Critical Education III	12	ME	PHT	PR: PHT 6806, PHT 7817	Capstone clinical education to develop entry level competence in physical therapy practice in preparation for state licensure. Restricted to majors. Repeatable for 12 credit hours.
PHT	7906	Independent Study	1-3	ME	PHT		A seminar and/or lab course for small groups of students or independent study for individual students to address areas of special interest in physical therapy. Restricted to majors. Not repeatable for credit.
PHT	7936	Special Topics III	1-10	ME	PHT		Analysis of issues related to physical therapy as a component of the health care system. Topics in this seminar may vary each semester the course is offered. Restricted to majors. Not repeatable for credit.
PHY	5720C	Electronics for Research	3	AS	PHY		A rigorous introduction to the fundamentals of analog and digital electronics. Theoretical circuit analysis and weekly labs introduce practical use of diodes, transistors, analog and digital ICs, breadboarding techniques and electronics test instrumentation. Spring Semester.
PHY	5937	Selected Topics in Physics	1-4	AS	PHY	PR: Senior or advanced standing and CC.	Each topic is a course in directed study under the supervision of a faculty member.
PHY	6246	Classical Mechanics	3	AS	PHY	PR: PHY 4222 or CI. Fall Semester.	Dynamics of particles and systems of particles, Lagrange's equation, central forces, rigid body dynamics.
PHY	6346	Electromagnetic Theory I	3	AS	PHY	PR: PHY 4324 or CI.	Electrostatics, magnetostatics, potential and boundary value problems. Maxwell's equations. First semester of sequence PHY 6346, PHY 6347.
PHY	6347	Applied Electromagnetic Theory	3	AS	PHY	PR: PHY 6346 or CI.	Second semester of sequence PHY 6346, PHY 6347. Electromagnetic waves, wave guides and resonant cavities, diffraction, relativistic-particle kinematics and dynamics, plasmas and magnetohydrodynamics.
PHY	6446	Lasers and	3	AS	PHY	PR: PHY 4324	Optical modes, optical resonator



		Applications				and PHY 4604 or CI.	theory, gain saturation, theory of laser oscillators, specific laser systems, Q-switching and mode-locking, optical waveguides.
PHY	6447	Physics of Lightwave Devices and Applications	3	AS	PHY	PR: PHY 6446 or CI.	Nonlinear optics including optical phase conjugation, second harmonic and sum frequency generation, and stimulated Raman scattering. Selected applications of lasers and nonlinear optics.
PHY	6536	Statistical Mechanics	3	AS	PHY	PR: PHY 5624 or CI.	Kinetic theory, configuration and phase space. Boltzmann theorem, Liouville theorem, ensemble theory, quantum statistics.
PHY	6645	Quantum Mechanics I	3	AS	PHY	PR: PHY 4604 or CI.	Hilbert space, continuous spectrum, matrix and wave mechanics, quantum dynamics, symmetries, angular momentum, perturbation methods
PHY	6646	Applied Quantum Mechanics	3	AS	PHY	PR: PHY 6645 or CI.	Approximation and perturbation methods, hydrogen fine structure, scattering, identical particles, second quantization, Dirac equation.
PHY	6753	Measurement and Instrumentation	3	AS	PHY	PR: PHY 4744 or PHY 5720 or CI.	Measurement, signals and noise; analog/digital conversion; data communication; digital signal processing. Weekly labs for LabVIEW programming, instrument control and data acquisition through RS232 and GPIB interface.
PHY	6909	Independent Study	1-19	AS	PHY	PR: CI.	Independent study in which student must have a contract with an instructor.
PHY	6911	Directed Research	1-19	AS	PHY	PR: GS.	An individual investigation of a research topic under the supervision of an instructor.
PHY	6935	Graduate Seminar	1	AS	PHY	PR: CI. All Physics graduate students are expected to enroll in this course at least once.	
PHY	6938	Selected Topics in Physics	1-10	AS	PHY	PR: CI	Each topic is a course in directed study under the supervision of a faculty member.
PHY	6940	Supervised Teaching	3	AS	PHY	PR: Dept. Approval Required.	Laboratory teaching under the direction of a Physics Department faculty member.
PHY	6971	Thesis: Master's	2-19	AS	PHY	PR: CI.	
PHY	7910	Directed Research	1-9	AS	PHY	PR: Graduate Ph.D. level.	

PHY	7980	Dissertation: Doctoral	2-9	AS	PHY	Rpt. S/U, PR: Admission to Candidacy.	
PHZ	5115	Methods of Theoretical Physics I	3	AS	PHY	PR: MAP 2302 or CI.	Applications of mathematical techniques to classical and modern physics. Vector spaces including Hilbert space, orthogonal functions, generalized functions, Fourier analysis, transform calculus, and variational calculus.
PHZ	5116	Methods of Theoretical Physics II	3	AS	PHY	PR: MAP 2302 or CI.	Applications of mathematical techniques to classical and modern physics. Selected topics in complex analysis, differential and integral equations, numerical methods, and probability theory.
PHZ	5156C	Computational Physics I	3	AS	PHY	PR: CGS 5765 or CI.	C programming applied to real science and engineering problems. Data analysis, numerical algorithms, modeling, parallel computation. Subjects selected from current research may include neurobiology, quantum magnetism, chaos, finance, materials science.
PHZ	5304	Nuclear Physics	3	AS	PHY	PR: PHY 4604 or CI.	Nuclear forces, nuclear models, nuclear structure, decay, nuclear reactions, and high energy physics.
PHZ	5405	Solid State Physics I	3	AS	PHY	PR: PHY 3101, MAP 2302, CI.	Crystal structure, x-ray and electron diffraction, mechanical and thermal properties of solids, electrical and magnetic properties of metals, band theory of metals, insulators, and semiconductors. First semester of sequence PHZ 5405, PHZ 6426.
PHZ	6136	Physical Applications of Group Theory	3	AS	PHY	PR: CI.	Matrices, symmetry elements and point groups, reducible and irreducible representations, molecular vibrations, selection rules, rotation groups and atomic levels, molecular orbitals and electronic energies, space groups and spectra of crystals, crystal field theory and symmetry.
PHZ	6204	Atomic and Molecular Spectra I	3	AS	PHY	PR: PHY 4604 or CI.	Hydrogen atom, one electron systems, central field and vector models, perturbations, Zeeman and Stark effect, hyperfine structure, atomic structure calculations; diatomic spectra, rotational and vibration analysis, intensities, temperatures from spectra, isotope effects.
PHZ	6205	Atomic And Molecular	3	AS	PHY	PR: PHZ 6204 or CI.	Electronic transitions in diatomic molecules, Hund's coupling schemes,

		Spectra II					electron configuration and valence, astrophysical applications, predisassociation, normal modes of polyatomic molecules, Raman and IR spectra, rotation-vibration interaction, microwave spectra, thermodynamic properties, stellar atmospheres.
PHZ	6426	Solid State Physics II	3	AS	PHY	PR: PHZ 5405 or CI.	Optical, electrical and magnetic properties of insulators, superconductivity, imperfections in solids. Second semester of sequence PHZ 5405, PHZ 6426.
POS	5094	Issues in American National and State Government	3	AS	POL		Selected topics of study in American government.
POS	5155	Issues in Urban Government and Politics	3	AS	POL		Selected issues and topics in Urban Government and politics.
POS	5159	Urban Policy Analysis	3	AS	PAD		Application of policy framework for urban government & policies. Examine forms of government and how policies such as economic development, law enforcement, community policing, neighborhood policies (with non-profit groups) can be analyzed.
POS	6045	Seminar in American Government & Politics	3	AS	POL	Sr./GS.	Advanced study of selected topics of institutions and processes of American national government and politics.
POS	6127	Issues in State Government and Politics	3	AS	POL	GS.	Advanced study of selected topics in institutions, processes, and behavior of American state governments and Florida government.
POS	6157	Seminar in Urban Government and Politics	3	AS	POL		Analysis of literature with emphasis on urban political behavior, development of various theories, and propositions regarding governmental structure and the formation and implementation of public policy.
POS	6415	The American Presidency	3	AS	POL	GS.	Analysis of problems and powers of the presidency with emphasis on crisis management, staffing, legislative leadership, and decision making.
POS	6427	The Legislative Process	3	AS	POL	GS.	Analysis of formal and informal decision-making processes in legislative bodies, with emphasis on U.S. House of Representatives and U.S. Senate. Executive-legislative

							conflict and cooperation; input/output analysis.
POS	6455	Political Parties and Interest Groups	3	AS	POL	GS.	Analysis of statutes, functions, and characteristics of political parties and interest groups, as well as their interactions with political processes, actors, and institutions.
POS	6607	Constitutional Law	3	AS	POL	PR: GS.	Advanced study of legal, political, philosophic, and methodological problems in constitutional law.
POS	6698	Seminar in Law and Politics	3	AS	POL	PR: GS.	Advanced study of institutions and processes in the field of law and politics.
POS	6735	Foundations of Political Inquiry	3	AS	POL		Survey of philosophical, intellectual, and theoretical issues, including historical development of political science. Topics include empirical approaches, rational choice theory, and critical approaches such as pragmatics, hermeneutics, genealogy, and critical theory.
POS	6736	Political Research Methods	3	AS	POL	PR: POS 3713 or equiv.	A graduate level, introductory survey of empirical research methodology, including statistics and computer data analysis. Topics include measurement, sampling, research design, and selected bivariate analysis techniques.
POS	6909	Independent Study	1-3	AS	POL	PR: 3.0 in Political Science, CC. S/U.	Specialized independent study determined by the student's needs and interests. Needs instructor's consent.
POS	6919	Directed Research	1-19	AS	POL	PR: GR. ML. S/U.	
POS	6933	Selected Topics in Political Science	3	AS	POL		Selected topics, issues, and problems in political science.
POS	6942	Field Work in Political Science	1-3	AS	POL	PR: 3.0 in Political Science and GS.	Application of research models now employed in governmental agencies, including development of a structured research proposal.
POS	6971	Thesis: Master's	2-19	AS	POL	PR: CC. S/U.	
POT	6007	Seminar in Political Theory	3	AS	POL	PR: GS.	Provides students who are capable of independent work with the opportunity to explore advanced problems of political theory.
PPE	6058	Personality	3	AS	PSY		Survey of research and theories of personality, including its relationship to the development of normal and abnormal behavior.
PSB	6056	Physiological Psychology	3	AS	PSY	PR: Admission to graduate	Survey of data and research methods in Behavioral Neuroscience. Basic

						program in Psychology or CI.	learning theories and CNS function in behavior, and disorders associated with CNS dysfunction will be covered.
PSY	6217	Research Methods and Measurement	2-4	AS	PSY	PR: CI.	Courses in research strategies, design and analysis, and measurement theory in psychological experimentation. Inferential statistics, anova, correlation methods, and interpretation.
PSY	6605C	History and Systems of Psychology	2	AS	PSY	PR: Admission to graduate program in Psychology or CI.	A review of the history of modern psychology with emphasis on the major systematic approaches that have influenced the current structure of psychology. Persisting polarities and common underlying issues are studied in various historical contexts.
PSY	6907	Independent Study	1-19	AS	PSY	PR: Majors only. S/U.	Independent study in which student must have a contract with an instructor.
PSY	6917	Directed Research	1-19	AS	PSY	PR: GR. ML, CC. S/U.	
PSY	6946	Practicum and Internship in Clinical Psychology	1-15	AS	PSY	PR: CI.	Supervised training in community and university settings in the application of Psychology.
PSY	6947	Graduate Instruction Methods	1-3	AS	PSY	PR: CI. S/U.	Special course to be used primarily for the training of teaching assistants.
PSY	6971	Thesis: Master's	2-19	AS	PSY	PR: CC. S/U	
PSY	7908	Directed Readings in Psychology	1-15	AS	PSY	PR: CI.	An advanced reading program of selected topics in Psychology under the supervision of a Psychology faculty member. The reading program is designed to meet the individual requirements and interest of graduate students in Psychology, with selected topics chosen by the student in close collaboration with a faculty member.
PSY	7918	Directed Research	1-19	AS	PSY	PR: GR. Ph.D. level. S/U.	
PSY	7931	Seminar in Ethics and Professional Problems	2	AS	PSY	PR: Second year in Ph.D. program in Psychology or CI.	Ethical issues and professional problems in the practice of psychology.
PSY	7980	Dissertation: Doctoral	2-19	AS	PSY	PR: Admission to Candidacy. S/U.	
PUP	5607	Public Policy and Health	3	AS	POL		The study of health care policy as it relates to the policy process in the

		Care					American setting.
PUP	6007	Seminar in Public Policy	3	AS	POL		Examination of public policy from a theoretical and practical decision. Analysis will be presented in terms of their usefulness in designing policy.
PUR	5505	Introduction to Public Relations Theory and Research	3	AS	COM	PR: Bachelor's degree in related field(s).	This course is designed as an introductory graduate course in Public Relations Theory, research methods and management for majors. Theory and research are combined to acclimate students into appropriate skills and thinking processes used by practitioners.
PUR	6602	Public Relations Management	3	AS	COM	PR: GS in Mass Communication s or CI.	Explores the wide body of social science theory that is the foundation of a successful public relations program in organization. Focuses on the use of public relations as strategic planning function concerned with building long-term beneficial relationships between the organization and its external and internal publics.
PUR	6603	Public Relations Counseling	3	AS	COM	PR: CC.	Relationship of the public relations counselor to the client or employer; counseling in corporate, non-profit, and governmental organizations; writing and presenting PR programs to the client; management and operation of counseling firms.
QMB	6305	Managerial Decision Analysis	2	BA	MBA		A study of the general concepts of interval estimation, hypothesis testing, correlation and multiple regression with an emphasis on applications, concepts and interpretation of results.
QMB	6365	Applied Business Forecasting	3	BA	QMB	PR: QMB 6305 or equiv., CC.	Logic and application of quantitative forecasting, techniques to problems in business.
QMB	6375	Applied Linear Statistical Models	3	BA	QMB	PR: QMB 6305 or equiv., CC.	A study of multivariate data analysis techniques and their applications to problems and systems in business.
QMB	6603	Operations Management and Quality Enhancement	2	BA	MBA	PR: GS and college algebra.	Principles of managing manufacturing and service organizations. Topics include: competitive use of operations, comprehensive manufacturing strategies, production system design, material requirements planning, JIT systems, quality management, statistical process control, and project management.

QMB	7565	Introduction to Research Methods	3	BA	QMB	PR: CC.	A course in research strategies, design, analysis, and measurement for business research.
QMB	7566	Applied Multivariate Statistical Methods	3	BA	QMB	PR: CC.	A course in research analysis and measurement focusing on multivariate statistical analysis techniques.
RCS	5035	Rehabilitation Counseling: Concepts and Applications	3	AS	REH	PR: CC.	Introduction to the profession of Rehabilitation Counseling and current issues in the field. Coverage includes rehabilitation history, legislation, case management and related services for Americans with disabilities.
RCS	5080	Medical Aspects of Disability	3	AS	REH	PR: RCS 5780 or CP.	A survey of medical conditions and disabilities encountered by rehabilitation and mental health counselors. Examines the relationship of client handicaps, physical and mental, to rehabilitation and mental health programming.
RCS	5450	Substance Abuse I	3	AS	REH	PR: CI.	An overview of alcohol and other drug abuse. Explores the extent and rate of abuse in the United States, causes, biology, psychosocial aspects, legal aspects, and treatment.
RCS	5780	Legal, Ethical, Professional Standards and Issues in Counseling	3	AS	REH	PR: CC.	An overview of all aspects of professional functioning including history, roles, organizational structures, ethics, standards and credentialing. Contemporary and developing issues in the field of professional counseling will also be addressed.
RCS	5905	Directed Studies	1-4	AS	REH	PR: CI.	Supervised rehabilitation studies under the direction of a faculty member.
RCS	6220	Individual Evaluation and Assessment	3	AS	REH	PR: RCS 5080, RCS 5780, RCS 6440.	Examines assessment procedures utilized in rehabilitation and mental health counseling settings and critical issues in the evaluation of people who are mentally and physically disabled.
RCS	6301	Career and Lifestyle Assessment	3	AS	REH	PR: RCS 5080, RCS 5035, MHS 5020, RCS 6470, RCS 6440.	Career development, lifestyle, and related factors with special emphasis on the needs of individuals with disabilities. Includes job placement and a survey of work requirements in different occupations and how these relate to functional limitations.
RCS	6407	Counseling Theories and Practice	3	AS	REH	PR: MHS 5020, RCS 5035, RCS 5080, RCS 6440.	An extension and intensification of the rehabilitation and mental health counseling skills developed in RCS 5404. Includes the study of

							counseling theories and their contribution to successful counseling and rehabilitation practice.
RCS	6408	Diagnosis and Treatment of Psychopathology	3	AS	REH	PR: MHS 5020, RCS 6440, RCS 5080, RCS 5035. Majors Only.	Psychopathology as applied to psychotherapy and case management in mental health, addictions, and other rehabilitation settings.
RCS	6440	Social and Cultural Foundations of Counseling	3	AS	REH	PR: RCS 5780 or CC.	Counseling issues in a multicultural and diverse society. Special emphasis on psychosocial adjustment and counseling for individuals with physical and mental disabilities.
RCS	6459	Substance Abuse II	3	AS	REH	PR: RCS 5450 and CI.	An extension of RCS 5450 with emphasis on family problems and approaches to counseling and working with alcohol and other substance abuse.
RCS	6510	Group Theories and Practice	3	AS	REH	PR: RCS 5035, RCS 5080, MHS 5020, RCS 6440.	Theoretical and empirical issues in group counseling are examined in the context of an ongoing group. Emphasis is on application to rehabilitation and mental health counseling.
RCS	6740	Research and Program Evaluation	3	AS	REH	PR: RCS 5780.	Training in the evaluation and utilization of available research studies and the development of research skills. An individual research project is required.
RCS	6803	Practicum in Counseling	3	AS	REH	PR: RCS 5080, MHS 5020, RCS 6440, RCS 5035.	Field work experience in rehabilitation mental health counseling.
RCS	6825	Internship	3	AS	REH	PR: CP, All required courses in M.A. program., CC. S/U.	Student placement in an approved intern setting for a minimum of 600 hours of supervised experience.
RCS	6906	Independent Study	1-19	AS	REH	PR: CC. S/U.	Independent study where the student must have a contract with a faculty member.
RCS	6930	Seminar in Rehabilitation Counseling	1-4	AS	REH	PR: CI.	Selected issues and problems in rehabilitation counseling with subject and scope to be determined by instructor.
RCS	6970	Thesis: Master's	2-19	AS	REH	PR: CC. S/U.	
RED	6116	Current Trends in Elementary Reading Instruction	3	ED	EDE	PR: RED 4310 or equiv. Not to be used as a first course in reading.	Approaches, materials, and procedures in Elementary Reading instruction, with emphasis on pertinent research.
RED	6247	District and	3	ED	EDR	PR: LAE 6315,	District and School Level



		School Level Supervision in Literacy				RED 6544, RED 6545, RED 6747.	Supervision in Literacy familiarizes students with issues related to the organization and monitoring of elementary and secondary reading programs at the school and district levels, with an emphasis on the former.
RED	6365	Reading In Secondary And Higher Education	3	ED	EDR		Designed for student and inservice teachers with appropriate B.A. degrees. Content covers secondary, community college, and university levels. Organization permits student to work on applications to individual levels and disciplines. Research paper required.
RED	6449	Literacy and Technology	3	ED	EDR		Literacy and Technology focuses on technology as a tool for literacy instruction. Throughout the course, students will preview and evaluate literacy-related software and websites, critique research related to literacy and technology, and design, develop, and present software programs for literacy learning and instruction.
RED	6514	The Reading Process in the Elementary Grades	3	ED	EDE		Prepares students in the foundations of literacy including learning principles, teaching and assessment strategies for providing literacy instruction to emergent, novice, transitional, and accomplished readers and writers in the elementary grades.
RED	6516	Corrective Reading in the Classroom	3	ED	EDR	PR: RED 4310 or CI.	Use of diagnostic and prescriptive procedures with individual and group reading instruction.
RED	6540	Assessment in Literacy	3	ED	EDR	PR: LAE 6315, RED 6544, RED 6545, RED 6747.	RED 6540 is a three credit graduate level course which focuses on methods of analysis of children's literacy and strategies for promoting language, reading and writing development. Authentic literacy assessment in classroom and other instructional environments, informal assessment and diagnosis, and standardized tests will be utilized in evaluation of the multiple factors in reading, writing and language process and problems.
RED	6544	Cognition, Comprehension, and Content Area	3	ED	EDR		In-depth study of reading comprehension. Emphasis is placed on discussion of the concepts of cognition and learning,

		Reading: Remediation of Reading					metacognition and comprehension of text included in the reading process. Process in the reading/writing, connection, specific reading strategies, and procedures for comprehension of text in the content areas are presented.
RED	6545	Issues in Vocabulary and Word Study	3	ED	EDR		The purpose of this course is to provide students with an understanding of current theory and research about reading and writing vocabulary instruction and the interactive causes of literacy disabilities.
RED	6747	The History and Foundations of Reading Models	3	ED	EDR	PR: EDF 6432, EDF 6481, or CI.	History and Models of Reading introduces graduate students to the historical background of professional approaches to literacy as well as the current models that guide literacy research, theory and instruction. With a focus on historical antecedents, students in the course learn the connections between current research and practice, and former models and their related instructional practices. In a larger framework, the course connects students with the relationships between reading practices and the larger social movements that contextualize them.
RED	6786	Teacher Research Methods in Reading	3	ED	EDR	PR: EDF 6481, RED 6747, RED 6545, RED 6544, RED 6247, RED 6449.	Teacher Research Methods in Reading familiarizes students with the application of classroom action research methodologies in literacy. Course content is directed toward developing understandings of the need for teacher research and a mindset for becoming a teacher researcher. Students will develop a knowledge base in quantitative, qualitative, case study, and portfolio-based research methodologies for teachers.
RED	6846	Practicum in Reading	3	ED	EDR	PR: RED 6747, RED 6545, RED 6544, RED 6540, or CI.	Practicum in Reading is a graduate course covering topics and issues relevant to assessment and remediation of reading problems in school-aged children. It is an application course, where students work at a school site with children who are experiencing reading problems.
RED	6906	Independent	1-6	ED	EDR	S/U.	Independent study in which students

		Study: Reading Education					must have a contract with an instructor.
RED	6971	Thesis: Masters/Educ ational Specialist	2-19	ED	EDR		
RED	7048	Reading as a Symbolic Process	3	ED	EDR	PR: RED 6116 or RED 6365, GS or DPR.	Seminar designed to develop critical thinking about the reading process and reading acquisition.
RED	7745	Research in Reading Instruction	3	ED	EDR	PR: RED 6116 or RED 6365, GS or DPR.	Seminar examining in depth the current research on instruction in the field of reading education.
RED	7910	Directed Research in Reading/Lan guage Arts	1-19	ED	EDR	PR: Advanced graduate standing.	Independent student-faculty research course.
RED	7938	Advanced Graduate Seminar In Reading/Lan guage Arts	1-3	ED	EDR	PR: Enrollment in at least 3 hours is required for each doctoral student.	Discussion and evaluation of current issues and research in Reading/Language Arts and related fields. Rpt. To 6 hours.
RED	7980	Dissertation: Doctoral	2-30	ED	EDR	Admission to Candidacy.	
REL	6035	Theory and Method in Religious Studies	4	AS	REL	PR: GS in the Department of Religious Studies.	An introduction to and research methods used in Religious Studies proper and those of other disciplines. In the former are to be found comparative religion, religious hermeneutics, and theological analysis. Among the latter are included comparative literature, literary criticism, sociology, philosophy, and historiography.
REL	6126	Religion in America	3	AS	REL		Studies in the history of native American religions, of the rise of American denominations, churches, and sects, of the relationship between church and state, and religious thought in America. Open to non-majors.
REL	6143	Religion, Culture, and Society	3	AS	REL		Scholarly study of religion in its complex relationship of culture and society, including definitions and theories of religion, research methods, becoming religious, social organization, and interconnections with other social institutions.
REL	6175	Religion, Ethics and Public Policy	3	AS	REL		This seminar will explore the relation between religion, ethics, the social sciences, and social policy. Problems of ideological conflict and ethical relativism will be examined,

							as well as possible religious and theoretical foundations for a normative ethics of social change.
REL	6178	Comparative Religious Ethics	3	AS	REL		This seminar explores key issues and the diverse methodological approaches to the comparative study of religious ethics, including history of religions, social scientific, philosophical and theological approaches.
REL	6182	Faith and Reason in Western Religious Ethics	3	AS	REL		A seminar course examining the history of Western thinking about morality and its relation to religion. Concepts including faith, reason, right and wrong, values, virtue, duty, obligation, rights, and justice are explored in light of theories about the nature of morality.
REL	6195	Religion and Modernization	3	AS	REL		This course will explore the unique characteristics of modern and post-modern civilization, with special attention given to the secularizing effects of modern science, technology, economics, and politics on the world's religions and their various responses to these factors.
REL	6285	Studies in Biblical Archaeology	3	AS	REL		A study of various problems in Biblical Archaeology including excavation techniques, principles of interpretation, problems in correlation of the text of the Bible and specific finds, chronology, reconstruction of culture from archaeological evidence, and others.
REL	6327	Seminar: Ancient Religions and Literatures	3	AS	REL		A research seminar in some aspect of ancient religion and literature: Hebrew Bible, New Testament, Mithraism, Mystic Religions, Pseudepigrapha, and others taught in translation.
REL	6328	Religion and Culture of the West	3	AS	REL		Examines some of the most important religious literature of the Western world -- Jewish, Christian, and Islamic -- attempting to understand each classical expression within its own historical and cultural context.
REL	6447	Liberation Theology	3	AS	REL		A critical examination of Third World, Black American, and Feminist Liberation Theologies of the Christian tradition.
REL	6617	The History of Judaism: The	3	AS	REL	PR: REL 3602	The history of how the Judaism that predominated from the first century to the present took shape in the first

		Formative Age					six centuries AD.
REL	6906	Independent Study	1-3	AS	REL	PR: GS, ML	Independent study in which the student must have a contract with the instructor.
REL	6911	Directed Research	1-4	AS	REL	PR: GS, ML. Majors only.	Individual guidance in concentrated reading in a carefully delimited area of religious studies research skills.
REL	6938	Special Topics in Religious Studies	1-4	AS	REL	PR: GS.	Open to non-majors. Variable titles offered on topics of special interest.
REL	6940	Graduate Instruction Methods	1-4	AS	REL	Var. S/U.	Offered primarily for the supervision of Graduate Teaching Assistants.
REL	6971	Thesis: Master's	2-19	AS	REL	PR: GR. ML, majors only. S/U	
SCE	5937	Selected Topics in Science Education	1-4	ED	EDN		
SCE	6616	Trends in Science Instruction	3	ED	EDE	PR: SCE 4310	Topics in the biological and physical sciences appropriate for teaching in elementary school programs. Analysis of modern curriculum materials used in presenting science as a process of inquiry.
SCE	6634	Current Trends in Secondary Science Education	3	ED	EDN	PR: Bachelor's degree with major in science area, and certification in secondary science.	Curricular patterns and instructional practices in secondary science.
SCE	6736	Research Implications for Teaching Pre-College Mathematics and Science	3	ED	EDN		Generates new perspectives on research by comparing research techniques in mathematics, natural sciences, and mathematics and science education, and by matching mathematics, science and technology questions to appropriate research paradigms.
SCE	6737	Technology: Solving Societal Problems	3	ED	EDN	PR: Advanced GS or DPR. May also be taken as MAE 6737.	Specific examples of mathematics/science/technology/society interaction are provided for integration into school-based mathematics and natural science courses.
SCE	6738	Mathematics and Science Education Policy,	3	ED	EDN	PR: EDF 7655 or Advanced GS. May also be taken as	Knowledge, skills, and strategies are developed to become a facilitator of change for mathematics and science school improvement. Original

		Change, and School Improvement				MAE 6738. DPR.	change initiatives are designed and implemented.
SCE	6761	Understanding Mathematics, Science, and Technology: Human Enterprises	3	ED	EDN	PR: Advanced GS or DPR. May also be taken as MAE 6735.	Science, mathematics, and technology are presented as one multifaceted, dynamic, human-made enterprise responding to the human search for an understanding of the realities of the world. Different \
SCE	6906	Independent Study in Science Education	1-6	ED	EDN		Independent Study in which students must have a contract with the instructor. Rpt. S/U
SCE	6947	Internship	6	ED	EDN	PR: CI.	Provides students with an extended school-based experience, under the guidance of a cooperating teacher and university supervisor, for a full semester at or near the end of their graduate program. Open to graduate degree candidates only. S/U (PR: CI)
SCE	7910	Directed Research in Science Education	1-19	ED	EDN	PR: CI.	This course permits a doctoral student to conduct advanced research and to pursue specific areas of interest with a faculty member as supervisor. A contract is required with the faculty member. S/U.
SCE	7980	Dissertation	2-30	ED	EDN	PR: Admission to Candidacy.	
SDS	6042	Introduction of Student Affairs	3	ED	EDG		Provides students with knowledge of the history, philosophy, organization and structure of Student Affairs, Student Affairs functions and professional competencies, and legal and ethical issues.
SDS	6050	Comparative Guidance and Counseling	3	ED	EDG	PR: DPR.	Study of guidance theories and practices in selected foreign countries as compared with the American guidance model. Evaluation of foreign guidance through critical analysis of primary sources. For example: guidance philosophy and practice in countries of the Soviet Bloc, Western Europe, and Latin America.
SDS	6411	Introduction to Student Personnel Work in Higher Education	2	ED	EDG	PR: DPR.	Study of student personnel services in institutions of higher education. Identification of the needs of students and of the ways to respond to meet these needs. Survey of service units on a campus in terms of structure, organization, funding, etc.
SDS	6501	Group Theory and	4	ED	EDG	PR: SDS 6411. S/U.	Experiential study of group structures, group dynamics,

		Practicum: Children					methodology, and leadership models applicable to counseling in the elementary schools. Skill building through supervised practicum in leading groups of elementary school children.
SDS	6621	Financial Aid Administration	2	ED	EDG	PR: Acceptance to College Student Affairs Program or CI.	The purpose of this course is to provide an overview of the history, fundamental concepts, and organization of financial aid administration. The role of financial aid in enrollment management will be addressed.
SDS	6624	Ecology of Campus Life	3	ED	EDF	PR: GS	Provides students with an understanding of the changing demographics, environmental and developmental issues facing college students.
SDS	6641	Student Affairs Auxilliary Functions	3	ED	EDF	PR: Acceptance to Student Affairs Administration Doctoral Program & SDS 6042 or CI	Review of major auxilliary functions in Student Affairs. Includes strategic and operational issues in planning for and operating auxiliary facilities and technological innovations.
SDS	6645	Student Development Theory	3	ED	EDF		An in-depth study of student development theories including those in the areas of cognitive, psychosocial and typology theories. Students will examine theoretical perspectives and learn how to apply them in practical situations encountered in higher education settings.
SDS	6701	Issues in Diversity	2	ED	EDF	PR: Admission to CSA or CI graduate Program	Adresses individual and organizational issues of multiculturalism and diversity in higher education.
SDS	6801	Practicum in Counseling Children	4	ED	EDG	S/U.	Supervised counseling experiences for integration of knowledge and skills gained in didactic study. Focus is on working with elementary age children, parent and teachers.
SDS	6820	Internship in School Counseling	6 or 3	ED	EDG	PR: All required MHS courses. S/U.	Field experience involving one semester of full-time participation or two semesters of part-time participation in all guidance related activities in an elementary or secondary school; classroom guidance; individual and group counseling; assessment/evaluation; staffing; record keeping; etc.
SDS	7640	Student Affairs	4	ED	EDF	PR: Acceptance to Student	Leadership, management and organizational models, perspectives

		Administrati on				Affairs Administration Doctoral Program & SDS 6042 or CI.	and issues in administration of Student Affairs will be studied.
SDS	7642	Advanced Seminar in Student Affairs	1-4	ED	EDF	PR: Acceptance to Student Affairs Administration Doctoral Program or CI	This seminar will nurture students' creativity and enhance their appreciation for scholarly academic work and effective administrative practice in Student Affairs. Issues and trends in Student Affairs will also be studied.
SDS	7643	Advanced Student Development Theories	4	ED	EDF	PR: SDS 6645 or equivalent and acceptance to Student Affairs Administration Doctoral Program or CI.	Contemporary theories of college student development will be examined in the categories of psychosocial, cognitive-structural, and typology. Research, case analysis, and assessment instruments will be studied in translating theoretical models into programmatic interventions in Student Affairs.
SDS	7644	Enrollment Management	4	ED	EDF	PR: Acceptance to Student Affairs Administration Doctoral Program or CI	Introduction to and overview of a multi-faceted process of enrollment management in higher education. The breadth of theory, models, and principles that contribute to the field of enrollment management will be explored.
SDS	7830	Advanced Internship in Counselor Education	2-8	ED	EDG	S/U.	Supervised field experiences in an approved agency, educational institution, or industrial setting: counseling, consulting, supervision, applied research, administration, and evaluation of counseling/guidance services.
SDS	7945	Advanced Internship in Student Affairs Administrati on	1-6	ED	EDF	PR: Acceptance to Student Affairs Administration Doctoral Program and completion of 25 hours or consent of Program Director	Supervised field experiences in an approved functional area of Student Affairs in an institution of higher education that will involve administrative functions, applied research and program evaluation.
SDS	7980	Dissertation	2-24	ED	EDF	PR: Admitted to Candidacy	
SED	6943	Graduate Instruction Methods	1-4	AS	SPE	S/U only.	Special course to be used primarily for the training of teaching assistants. Var. Rpt. To a total of 4 credits.
SLA	7910	Directed	1-6	ED	EDI	PR: CI.	This course permits a doctoral



		Research in Second Language Acquisition/ Instructional Technology					student to conduct advanced research and to pursue specific areas of interest with a faculty member as supervisor. A contract is required with the faculty member. S/U.
SLA	7911	Second Language Acquisition Research Laboratory	1-4	ED	EDI		This course, offered every semester, provides students with a variety of research tools and directed research experiences that eventually lead to production of publishable materials. Classes are conducted as seminars with instructor and students sharing leadership role. S/U
SLA	7938	Advanced Seminar in Second Language Acquisition	3	ED	EDI		This doctoral level seminar examines in depth the theory and research in the field of Second Language Acquisition. It builds upon the information and concepts presented in introductory SLA theory courses allowing students to more deeply and carefully explore selected topics.
SLA	7939	Advanced Seminar in Foreign Language Education	3	ED	EDX	PR: FLE 6665	Advanced readings and discussion of theories, perspectives and issues in foreign/second language education from K-20, including examination of current practices, action research, accreditation, certification, teacher development, and assessment in the field.
SLA	7980	Dissertation	2-18	ED	EDX	PR: Admission to Candidacy.	
SOP	6068	Personality and Social Psychology	3	AS	PSY	PR: Bachelors Degree in Psychology or related discipline.	This course is a survey of modern personality and social psychology. It will examine how personal attributes and social situations influence human behavior. Major contemporary theories of how personality and social variables individually and collectively affect human feelings, thoughts and actions will be presented.
SOP	7609	Graduate Seminar in Social-Organizational Psychology	1-3	AS	PSY	PR: CI.	Seminars on topics, such as social psychology, job stress, and decision making.
SOW	5930C	Selected Topics in Social Work	1-4	AS	SOK	PR: CC.	Restricted to Social Work majors, both graduate and undergraduate; other by School permission. Course is taken as an elective. Various title course will selectively expand specific social work content areas.

SOW	6105	Foundations in Human Behavior	3	AS	SOK	PR: CC.	Introduces a systems perspective on understanding the relationships inherent in human growth and development. Special emphasis is placed on issues involving minorities, women, the disabled, various family forms, and sexual preference.
SOW	6114	Individual Growth and Development Theory	3	AS	SOK	PR: CC.	This course presents various theoretical perspectives in individual growth and development commonly used in clinical practice with individuals, families, and groups. Ethnic, cultural, and lifestyle differences in normative development will be addressed, as will the influence of poverty, resource deprivation, sexual stereotyping, and illness/disability on social functioning.
SOW	6124	Theoretical Perspectives on Mental Dysfunctioning	3	AS	SOK	PR: CC. Majors only.	This third course in the behavior sequence focuses on mental and emotional disorders. Content includes broad classifications of mental and behavioral disorders and their biopsychological disorders and implications of social work practice in dealing with these disorders.
SOW	6126	Theoretical Perspectives on Physical Dysfunctioning	2	AS	SOK	PR: CC. Majors only.	this fourth course in the behavior sequence focuses on physical disorders and implications of social work practice in the area of long-term protracted chronic illnesses and the ensuing psychosocial disabilities.
SOW	6235	Foundations of Social Welfare Policy	3	AS	SOK	PR: CC.	Examines historical antecedents of social welfare as an institution and current state of social welfare programs in America. Emphasis is placed on understanding social, economic, and political forces that shape policies and programs.
SOW	6236	Social Welfare Policy Analysis and Design	3	AS	SOK	PR: CC.	Presents various methods of policy analysis with emphasis on distinctions among legislative, administrative, and judicial policy. Examines roles and responsibilities of the professional practitioner in the policy process.
SOW	6305	Fundamentals of Social Work Practice	3	AS	SOK	PR: CC.	Describes full range of social work interventions, from micro to macro. Historical development of practice methods and survey of current techniques.
SOW	6342	Individual,	3	AS	SOK	PR: CC.	Application of clinical practice to

		Family and Group Treatment I					work with individuals. Psychosocial model is emphasized. Professional laboratory develops skills in practice.
SOW	6348	Clinical Practice Perspectives on Race and Culture	2	AS	SOK	PR: CC.	Theories for clinical practice, with emphasis on the psychosocial model. Explores basic skills for clinical practice.
SOW	6362	Individual, Family and Group Treatment II	4	AS	SOK	PR: CC.	Emphasizes selection of techniques in the psychosocial model of treatment. Primary focus on family, couple, and parent-child problems. Course includes skill practice lab sessions.
SOW	6368	Individual, Family and Group Treatment III	3	AS	SOK	PR: CC.	Focus on psychosocial model of group treatment. Comparison with individual and family modality.
SOW	6375	Macro Practice Seminar	3	AS	SOK	PR: CC, SOW 6426, SOW 6368, SOW 6535.	Studies facets of organizational environment in which clinical practice takes place; develops skills in various macro practice functions of the agency, such as supervision, program operations, and interagency relations.
SOW	6405	Foundations of Social Work Research and Statistics	3	AS	SOK		This is the first of four research methods courses intended to introduce students to the various methods, designs, measurements, and statistical techniques in social work research.
SOW	6425	Clinical Research	2	AS	SOK		This is the second in a series of four required research courses. It focuses on the design and implementation of evaluation studies in social work.
SOW	6426	Field Research I	1	AS	SOK	GS in Social Work only.	This is the third in a series of four research courses. It provides the structure for supervision of graduate research projects.
SOW	6427	Field Research II	1	AS	SOK	GS in Social Work only.	This is the fourth and final research course. It provides the mechanism for supervision of the graduate research project.
SOW	6534	Field Instruction I	3	AS	SOK	PR: CC. S/U.	Supervised field instruction in a social service agency, consisting of 20 hours per week, plus a 3-hour practice seminar.
SOW	6535	Field Instruction II	6	AS	SOK	PR: CC. S/U.	Supervised field instruction in a social service agency, consisting of 32 hours per week, plus a 2-hour practice seminar.
SOW	6536	Field Instruction III	4	AS	SOK	PR: CC. S/U.	Supervised field instruction in a social service agency, consisting of 20 hours per week, plus a 2-hour

						practice seminar. Includes integrative paper or exam.	
SOW	6553	Field Instruction Sequence IA: Part-Time	2	AS	SOK	PR: SOW 6114, SOW 6348. CR: SOW 6124.	This is the first of a series of seven field instruction courses designed to provide students with opportunities to develop beginning clinical social work competency in applying knowledge to practice situations.
SOW	6554	Field Instruction Sequence IB: Part-Time	1	AS	SOK	PR: SOW 6553. S/U.	This course is the second of seven sequential courses. Each consists of 10-15 hours per week (150 hours total) of agency field learning taught by an agency field instructor with a one-hour practice seminar taught by a University-based instructor.
SOW	6555	Field Instruction Sequence IIA: Part-Time	2	AS	SOK	PR: SOW 6554.	This course is the third of seven sequential courses. Each consists of 10-15 hours per week of agency field taught by an agency field instructor on a one-hour practice seminar taught by a University-based instructor.
SOW	6556	Field Instruction Sequence IIB: Part-Time	2	AS	SOK	PR: SOW 6555.	This course is the fourth of seven sequential courses. Each consists of 10-15 hours per week of agency field taught by an agency field instructor on a one-hour practice seminar taught by a University-based instructor.
SOW	6557	Field Instruction Sequence IIC: Part-Time	2	AS	SOK	PR: SOW 6556.	This course is the fifth of seven sequential courses. Each consists of 10-15 hours per week of agency field taught by an agency field instructor on a one-hour practice seminar taught by a University-based instructor.
SOW	6558	Field Instruction Sequence IIIA: Part-Time	2	AS	SOK	PR: SOW 6557.	This course is the sixth of seven sequential courses. Each consists of 10-15 hours per week of agency field taught by an agency field instructor on a one-hour practice seminar taught by a University-based instructor.
SOW	6559	Field Instruction Sequence IIIB: Part-Time	2	AS	SOK	PR: SOW 6558.	This course is the last of seven sequential courses. Each consists of 10-15 hours per week of agency field learning taught by an agency field instructor on a one-hour practice seminar taught by a University-based instructor.
SOW	6900	Independent Study	1-3	AS	SOK	PR: Admission to MSW program, CC.	A reading program in selected topics under supervision of a faculty member. A formal contract must be approved by School Director.

SOW	6931	Selected Topics in Social Work	1-4	AS	SOK	PR: CC. Restricted to MSW students; others by School permission.	
SPA	5132	Audiology Instrumentation	3	AS	CSD	PR: DPR.	Calibration, usage, and specific applications of specialized instruments available for dealing with the identification and measurement of hearing disorders.
SPA	5150L	Speech Science Instrumentation	3	AS	CSD	PR: DPR or SPA 3011 or equivalent.	Underlying principles and laboratory exercises in the use of audio recording, acoustic analysis, and clinical instrumentation.
SPA	5204	Advanced Clinical Phonology	3	AS	CSD		The principles of generative phonology will be applied to the assessment and treatment of phonological disorders. Emphasis is placed on making a child's phonology more functional for communication purposes.
SPA	5281	Quantitative Problem Solving in Speech Pathology and Audiology	2	AS	CSD		Fundamental mathematical and statistical concepts; meaningful, practical, and interesting presentation. Students get a solid foundation in the mathematical and statistical concepts in CSD and apply those concepts to solve practical or clinical problems.
SPA	5303	Auditory Anatomy and Physiology	3	AS	CSD		Provide a comprehensive understanding of the physiological acoustics of the auditory periphery, neuroanatomy and electrophysiology of the central auditory system, and psychoacoustic principles as they relate to clinical audiologic measurement paradigms.
SPA	5312	Peripheral and Central Auditory Tests	4	AS	CSD	PR: DPR.	The study of behavioral and electrophysiologic clinical tests designed to assess the functions of the peripheral and the central auditory system. Tests that incorporate nonspeech stimuli and those that utilize speech stimuli will be included.
SPA	5328	Rehabilitative Audiology for Adults	3	AS	CSD	PR: DPR.	Assess and manage persons with hearing loss. Effects of hearing impairment, assessment issues, and appropriate intervention strategies. Prosthetic intervention, perceptual intervention, communication strategies intervention, and counseling issues.
SPA	5408	Language-	3	AS	CSD	PR: SPA 4201	Metalinguistic and metacognitive

		Learning in the School-Age Years				and DPR.	development are linked to the interactional demands of classroom and clinical discourse; observational tools are applied to evaluation and intervention planning.
SPA	5506	Speech-Language Pathology and Audiology Practicum	1-8	AS	CSD	PR: DPR.	Participation in speech-language pathology and audiology practicum in the University Communication Disorders Center and selected field settings.
SPA	5552	Diagnostic Principles and Practices	3	AS	CSD	PR: Admission to the graduate program or DPR.	The administration, evaluation, and reporting of diagnostic tests and procedures used in assessment of speech and language disorders.
SPA	6104	Neuroanatomy for Speech and Hearing	3	AS	CSD	PR: SPA 3101.	Neuroanatomical and neurophysiological principles, structures and functions that subservise speech, hearing, language, and cognition are studied. A case-based approach illustrates the behavioral manifestations of neuropathologies. Majors only.
SPA	6106	Neurological Correlates of Language	3	AS	CSD	PR: DPR.	Review of the anatomy and physiology of the nervous system. Discuss neurological correlates of receptive and expressive language in verbal and non-verbal transmission and feedback.
SPA	6232	Neuromotor Communication Disorders	3	AS	CSD	PR: DPR.	A study of the medical, physical, occupational, speech, language, and hearing problems of the neuro-motorically impaired client. Therapy techniques are reviewed and evaluated.
SPA	6245	Craniofacial Communication Disorders	3	AS	CSD	PR: DPR.	An in-depth study of speech, language, and hearing problems associated with cleft lip and cleft palate and other craniofacial dysmorphologies. Consideration is given to the multidisciplinary approach to therapy and rehabilitation.
SPA	6305	Pediatric Audiology	3	AS	CSD	PR: SPA 5506.	Etiologies and manifestations of hearing loss within a pediatric population. Survey of procedures used in early identification and quantified measurement of hearing loss in young and non-communicative children.
SPA	6314	Electrophysiology	3	AS	CSD	PR: SPA 5303 and SPA 5312 or DPR.	This course focuses on the auditory brainstem response (ABR) as an essential diagnostic and screening tool. The course follows a combined

							lecture/laboratory mode with weekly class meetings and weekly laboratory exercise.
SPA	6316	Vestibular Evaluation and Treatment	3	AS	CSD	PR: SPA 5303 and SPA 5312 or DPR.	Principles and clinical practices of assessing the peripheral and central components of the human vestibular system using electrical recordings of induced and spontaneous nystagmus.
SPA	6318	Medical Audiology	3	AS	CSD	PR: Psychoacoustics, Advanced Hearing Science, Clinic Lab I.	Anatomy & patho-physiology of the auditory system, medical genetics, congenital & acquired ear diseases, disorders of balance, & tinnitus. These areas will be related to audiology test results; diagnostic imaging, medical & surgical treatments.
SPA	6322	Aural Rehabilitation: Children	3	AS	CSD	PR: DPR.	Provide information and strategies for aural habilitation intervention with hearing impaired children. Includes techniques of speech reading, auditory training, and language for hearing impaired.
SPA	6324	Educational Audiology	3	AS	CSD		Provides information on consulting and collaborating with speech pathologists, teachers, and others about the relationship of hearing loss to the development of psychosocial, communicative, cognitive, physical, academic, and vocational skills of a child.
SPA	6326	Curriculum Procedures and Materials for the Hearing Impaired	3	AS	CSD	PR: Major in Aural Rehabilitation or DPR.	Curricular adaptation, methods, techniques, and organization necessary for teaching the hearing impaired.
SPA	6329	Reading for the Hearing Impaired	2	AS	CSD	PR: RED 4310, RED 4515, and DPR.	Techniques and materials for teaching reading to children with auditory disorders. Evaluation and analysis of contemporary programs and methods.
SPA	6345	Principles of Amplification I	3	AS	CSD		Provide information and training concerning the design and measurement of the modern hearing aid. The history of hearing aids, types of hearing aids, hearing aid components, measurement and modification of hearing aid response, and earmold acoustics.
SPA	6348	Principles of Amplification II	3	AS	CSD	PR: SPA 6345.	The general goal of this second of three hearing aid courses is to provide information and training related to the assessment, selection, fitting, verification, and validation

							processes associated with the modern hearing aid.
SPA	6354	Hearing Conservation	3	AS	CSD	PR: DPR.	An investigation of the hazardous properties of noise and their effects upon the human auditory systems; hearing conservation programs in industry; and the extra-aural effects and control of community noises.
SPA	6390	Profession of Audiology	2	AS	CSD		Acquaint students with a basic understanding of the profession of Audiology. Topics covered include: Historical underpinnings, scope of practice, ethics, legal issues, evidence-based practice, professional organizations, and current issues.
SPA	6401	Pediatric Language Disorders	3	AS	CSD	PR: DPR.	An examination of the pre-verbal and language skills of the infant and preschool child, and of the Speech-Language Pathologist's role in the diagnosis, treatment, and as parent-trainer for these children.
SPA	6403	Language Learning Disabilities	3	AS	CSD	PR: DPR.	Examination of research and clinical literature pertaining to causes and effects of atypical language and literacy learning and developmental frameworks for integrated intervention in oral and written language.
SPA	6410	Aphasia and Related Disorders	3	AS	CSD	PR: SPA 6106 and DPR.	Consideration of the neurological and psychological aspects of aphasia and related disorders as they relate to communication disorders. Specific language therapy approaches are discussed and evaluated.
SPA	6413	Augmentative and Alternative Communication	3	AS	CSD	PR: DPR.	This course details the in-depth assessment and treatment of communication modes in non-speaking individuals. Students will be presented with the variety of aided and unaided systems which exist for helping non-speaking persons; students gain experience in the use of these devices.
SPA	6421	Language for the Hearing Impaired	3	AS	CSD	PR: SPA 3030, SPA 3310, SPA 4363, and DPR.	Techniques and materials of teaching language to children with auditory disorders as well as evaluation and analysis of contemporary intervention and clinical methods.
SPA	6422	Speech Perception and Production for the Hearing	3	AS	CSD	PR: SPA 3310, SPA 3311 or CC.	In depth study of the effects of hearing loss on speech perception and on the development of speech production skills in children. Methods for testing/training speech perception/production skills in the



		Impaired					hearing-impaired are discussed.
SPA	6473	Multicultural Differences in Language	3	AS	CSD	PR: CI.	The focus is on developing intercultural competencies to design and implement more culturally and linguistically appropriate services for individuals with communication disorders or differences.
SPA	6505	Practicum	1-10	AS	CSD	PR: DPR.	Participation in speech-language pathology and audiology practicum in the University clinical laboratory and selected field settings.
SPA	6553	Advanced Differential Diagnosis and Treatment Planning	3	AS	CSD	PR: DPR.	The interpretation of evaluation results and the integration of these data in order to make a differential diagnosis leading to an appropriate therapy plan. The administration, evaluation, and reporting of advanced evaluation techniques not covered in SPA 5552.
SPA	6601	Ethical Practice Issues in Communication Sciences and Disorders	2	AS	CSD		Topics include: legal and ethical issues affecting practice, licensure, and ASHA certification, the ASHA Code of ethics, laws and regulations governing practice in health care and educational settings, quality assurance standards.
SPA	6676	Speech Perception and Sensorineural Hearing Loss	3	AS	CSD	PR: SPA 3310, SPA 3030.	Overview of the acoustics of speech and theories of speech perception. Speech perception in listeners with normal and impaired hearing. The role of speech audiometry in clinical assessment of speech perception abilities and central auditory processing.
SPA	6805	Research Procedures in Communication Sciences and Disorders	3	AS	CSD	PR: DPR.	Advanced research and experimental design techniques employed in clinical and laboratory settings in speech-language pathology and audiology.
SPA	6906	Independent Study	1-19	AS	CSD	PR: DPR. S/U grading only.	Independent study in which students must have a contract with an instructor.
SPA	6910	Directed Research	1-19	AS	CSD	PR: GR. ML, DPR. S/U grading only.	
SPA	6930	Selected Topics	3	AS	CSD	PR: DPR.	A reading program of topics in speech pathology and/or audiology conducted under the supervision of a faculty member.
SPA	6971	Thesis: Master's	2-19	AS	CSD	PR: DPR.	
SPA	7150	Advanced Speech	3	AS	CSD	PR: SPA 3011 or equivalent;	Advanced study of the acoustics, production, and perception of normal

		Science				SPA 5150L; DPR.	and disordered speech.
SPA	7415	Neurolinguistic Theories of Language	3	AS	CSD	PR: SPA 6410, SPA 6232 and DPR.	Neurolinguistic theories as appropriate to the discipline are presented and discussed in relationship to language development and disorders. Information from linguistics, psycholinguistics, artificial intelligence, neuroanatomy, and other sciences are applied to Language Science.
SPA	7931	Seminar in Communication Sciences and Disorders	3	AS	CSD	PR: DPR.	Addresses the central research and clinical issues related to the diagnosis and treatment of communication disorders. Content of seminars varies with instructor's expertise.
SPA	7980	Dissertation	2-19	AS	CSD	PR: Admission to Candidacy.	PR: Admission to Candidacy. Doctoral Dissertation.
SPC	5238	Topics in Rhetorical Analysis	3	AS	SPE		Introduces a variety of critical perspectives applied to rhetoric in specialized contexts. Topics vary depending upon interest of students and faculty.
SPC	5930	Topics in Discourse	3	AS	SPE		Variable topics course.
SPC	6214	Ethnography of Communication	3	AS	SPE	PR: Graduate Standing.	Explores ethnography as an approach to conducting research and a means of theorizing about human communication.
SPC	6231	Survey of Rhetorical Theory	3	AS	SPE		Historical development of rhetorical theory from Plato to contemporary theorists with emphasis upon the evolution of trends and concepts in rhetorical theory.
SPC	6236	Contemporary Rhetorical Theory	3	AS	SPE	PR: GS.	Basic texts in 20th century rhetorical theory. Readings may vary.
SPC	6391	Interpersonal Communication	3	AS	SPE		Study of theory and research related to interpersonal communication.
SPC	6432	Family Communication	3	AS	SPE	PR: Graduate Standing.	This course examines the family in terms of the patterns of interaction through which meanings are produced. Family communication concepts and theories will be introduced as they relate to diverse family forms and experiences.
SPC	6545	Persuasion	3	AS	SPE		Study of contemporary theories and research in persuasion.
SPC	6645	Rhetoric in Society	3	AS	SPE	PR: GS.	Examination of ways in which rhetoric reflects and molds social processes, including social integration and/or alienation; social

							roles and identity construction; institutions and movements; ideology and social change.
SPC	6682	Rhetorical Criticism	3	AS	SPE		The study of theoretical perspectives in rhetorical criticism. The application of criticism to selected rhetorical situations.
SPC	6726	Communication in Close Relationships	3	AS	SPE	PR: Graduate Standing.	Interpersonal and intersubjective processes involved in the development of close personal relationships. Includes studies and personal experiences that cut across historical, therapeutic, spiritual, philosophical, literary, and cinematic perspectives.
SPC	6728	Communicating Grief, Loss, and Illness	3	AS	SPE	PR: Graduate Standing.	How illness and loss disrupt our stories of self and relationships and lead to construction of new stories, also cultural patterns of stories. Topics include critical illness and relationships, dying, bodies, emotions, caregiving, aging, and divorce.
SPC	6903	Directed Readings	1-4	AS	SPE	PR: CC.	
SPC	6913	Directed Research	1-19	AS	SPE	PR: ML, CC. S/U.	
SPC	6934	Selected Topics in Communication	1-4	AS	SPE		
SPC	6935	Pro Seminar in Communication	1-3	AS	SPE	PR: GS.	Reading and discussion of current books, articles, and papers in communication theory and research.
SPC	6971	Thesis: Master's	2-19	AS	SPE	PR: CC. S/U.	
SPC	7900	Doctoral Research Tutorial	1-3	AS	SPE	PR: Admitted to doctoral program.	Advanced directed research.
SPC	7930	Seminar in Rhetorical Studies	3	AS	SPE	PR: GS.	Variable topics course.
SPC	7980	Dissertation: Doctoral	2-19	AS	SPE	PR: Admission to candidacy.	
SPN	5525	Modern Spanish American Civilization	3	AS	WLE	PR: SPN 3520 or equivalent or graduate standing.	Advanced readings and discussions dealing with Spanish American civilization and culture, including a study of social, artistic and political trends. Text and discussion in Spanish.
SPN	5567	Modern Spanish Civilization	3	AS	WLE	PR: SPN 3500 or equivalent or graduate	Advanced readings and discussions dealing with contemporary Spanish civilization and culture, including a

						standing.	study of recent social, artistic and political trends. Texts and discussions in Spanish.
SPN	6795	Phonology and Dialectology	3	AS	WLE	PR: SPN 3300.	A study of the Spanish sound system.
SPN	6845	History of the Spanish Language	3	AS	WLE		Traces the development of Spanish from its Latin origins to the present.
SPN	6940	Graduate Instruction Methods	1-3	AS	WLE	S/U.	Special course to be used primarily for the training of teaching assistants.
SPS	6101	Child and Adolescent Behavior Disorders	4	ED	EDF		Theoretical and empirical identification and understanding of children and adolescents with behavior disorders. Treatment issues as they relate to school psychological services.
SPS	6196	Assessment of Child and Adolescent Personality	4	ED	EDF		Conceptualizations of personality and personality assessment; perspectives of disturbed and disturbing behavior, and personality assessment measures.
SPS	6197	Psychoeducational Diagnosis and Prescription I	4	ED	EDF	PR: Acceptance to graduate program in School Psychology.	Content covers comprehensive diagnosis and prescription in school psychology, including critical reviews of relevant research literatures, the professional-client relationship, interviewing, client histories, pluralistic psychoeducational assessment, assessment of educational environments, synthesis and dissemination of diagnostic data, and referral procedures. Appropriate field experiences will be provided. This course must be taken during two consecutive semesters, and the grade will be awarded at the end of the sequence.
SPS	6198	Psychoeducational Diagnosis and Prescription II	4	ED	EDF	PR: Acceptance to graduate program in School Psychology.	Content covers comprehensive diagnosis and prescription in school psychology, including critical reviews of relevant research literatures, the professional-client relationship, interviewing, client histories, pluralistic psychoeducational assessment, assessment of educational environments, synthesis and dissemination of diagnostic data, and referral procedures. Appropriate field experiences will be provided. This course must be taken during two

							consecutive semesters, and the grade will be awarded at the end of the sequence.
SPS	6700C	Psychoeducational Interventions With Children and Adolescents I	4	ED	EDF	PR: Acceptance to School Psychology Graduate Program or CI. Concurrent enrollment required with SPS 6701C.	Content covers psychoeducational interventions for school-referred children and adolescents specific to school psychological services. This is an integrated sequence of courses addressing educational and psychological (direct and indirect) interventions with topics also including consultative service delivery, the acceptability of classroom strategies, classroom and behavior management, and the synthesis of assessment data into effective interventions all within the referral context. Appropriate field experiences will be required for Intervention I and Intervention II; therefore, concurrent enrollment in the Intervention Practicum course for these two courses only is required.
SPS	6701C	Psychoeducational Interventions With Children and Adolescents II	4	ED	EDF	PR: Acceptance to School Psychology Graduate Program or CI. Concurrent enrollment required with SPS 6700C.	Content covers psychoeducational interventions for school-referred children and adolescents specific to school psychological services. This is an integrated sequence of courses addressing educational and psychological (direct and indirect) interventions with topics also including consultative service delivery, the acceptability of classroom strategies, classroom and behavior management, and the synthesis of assessment data into effective interventions all within the referral context. Appropriate field experiences will be required for Intervention I and Intervention II; therefore, concurrent enrollment in the Intervention Practicum course for these two courses only is required.
SPS	6702C	Psychoeducational Interventions With Children and Adolescents III	4	ED	EDF	PR: Acceptance to School Psychology Graduate Program or CI. Concurrent enrollment required with SPS 6700C.	Content covers psychoeducational interventions for school-referred children and adolescents specific to school psychological services. This is an integrated sequence of courses addressing educational and psychological (direct and indirect) interventions with topics also including consultative service delivery, the acceptability of classroom strategies, classroom and

							behavior management, and the synthesis of assessment data into effective interventions all within the referral context. Appropriate field experiences will be required for Intervention I and Intervention II; therefore, concurrent enrollment in the Intervention Practicum course for these two courses only is required.
SPS	6806	Developmental Bases of Diverse Behaviors	4	ED	EDF		This course deals with some of the major social and educational policy concerns posed by developmental and cultural diversity in our society.
SPS	6936	Graduate Seminar in School Psychology	1-3	ED	EDF	PR: CI.	Seminars to explore current matters of professional concern in school psychology, such as trends, problems, legal and ethical issues, and empirical bases of techniques.
SPS	6940	Practicum in Psychoeducational Interventions	1-4	ED	EDF	PR: Concurrent enrollment in Psychoeducational Interventions with Children and Adolescents - I or II (SPS 6700C or SPS 6701C), or DPR.	Course provides practical experiences and implementation of skills discussed and acquired in the intervention courses within settings relevant to school psychology.
SPS	6941	Practicum in Psychoeducational Interventions	1-4	ED	EDF	PR: Concurrent enrollment in Psychoeducational Interventions with Children and Adolescents - I or II (SPS 6700C or SPS 6701C), or DPR.	Course provides practical experiences and implementation of skills discussed and acquired in the intervention courses within settings relevant to school psychology.
SPS	6947	Internship	1-9	ED	EDF	Open to School Psychology graduate degree candidates only.	Involves field-based, supervised experience of 1,500 (minimum) clock hours at the Educational Specialist level and 2,000 (minimum) clock hours at the Doctoral level.
SPS	6971	Thesis: Masters/Educational Specialist	2-19	ED	EDF	S/U. MA/EdS Candidates only.	
SPS	7090	Supervision Processes in	4	ED	EDF		Theory, skills, and practice of supervision in school psychology.

		School Psychology					
SPS	7199	Advanced Psychoeducational Assessment	2-4	ED	EDF	PR: SPS 6197/SPS 6198 or DPR.	Advanced topics and techniques in the comprehensive assessment of children and adolescents typically referred for school psychological services.
SPS	7205	Advanced Consultation Processes in School Psychology	2-4	ED	EDF	PR: EDF 6166, or DPR.	Advanced topics and techniques in consultation processes for advanced school psychologists.
SPS	7700	Advanced Psychoeducational Interventions	2-4	ED	EDF	PR: SPS 6700C/SPS 6701C and SPS 6940/SPS 6941, or DPR.	Advanced topics and techniques in psychoeducational interventions for children and adolescents referred for school psychological services.
SPS	7701	Advanced Child and Adolescent Psychotherapy	2-4	ED	EDF	PR: SPS 6702C, or DPR.	Covers advanced topics and techniques in child and adolescent psychotherapy relevant to school psychological services.
SPS	7910	Directed Research in School Psychology	1-19	ED	EDF	PR: CI.	A doctoral research experience supervised by a faculty member.
SPS	7936	Advanced Seminar in School Psychology	1-3	ED	EDF		Exploration of current issues and trends in school psychology, as it relates to research and professional practice, and the history and systems of education and psychology.
SPS	7980	Dissertation	2-30	ED	EDF	PR: Admission to Candidacy.	
SPW	5135	Colonial Spanish American Literature	3	AS	WLE	PR: SPW 4131.	Introduction to Colonial Spanish American Literature from the discovery through the Romantic Period.
SPW	5355	Spanish American Drama and Poetry	3	AS	WLE	PR: SPW 4131.	Major writers of all genres. Emphasis on modern writers.
SPW	5387	Spanish American Prose	3	AS	WLE	PR: SPW 4131.	Emphasis on the gaucho theme and contemporary prose fiction.
SPW	5388	Golden Age Poetry and Drama	3	AS	WLE	PR: SPW 4100.	Lope de Vega, Alarcon, Tirso, Calderon, and others.
SPW	5405	Medieval Literature	3	AS	WLE	PR: SPW 4100 or equiv.	Course gives an in-depth study of principal works and authors of the period such as El Poema de Mio Cid, Libro de Buen Amor, and La Celestina.
SPW	5465	19th Century Literature	3	AS	WLE	PR: SPW 4101.	An appreciation of the romantic and realist periods in Spanish literature.

SPW	5605	Cervantes	3	AS	WLE		Cervantes' masterpiece Don Quijote de la Mancha.
SPW	5725	Generation of 1898	3	AS	WLE	PR: SPW 4101.	The major figures of the period and their main followers.
SPW	5726	Vanguard Literature 1918 and 1936	3	AS	WLE	PR: SPW 4101.	A study of Vanguard literature in Spain between 1918 and 1936.
SPW	5934	Selected Topics	3	AS	WLE	PR: Upper-level or GS.	Study of an author, movement, or theme.
SPW	6428	Golden Age Novel	3	AS	WLE		Realistic prose-fiction of the Renaissance and Golden Age.
SPW	6485	Post Civil War Literature	3	AS	WLE	PR: SPW 4101.	The drama and novel since 1936.
SPW	6775	Caribbean Literature	3	AS	WLE	PR: SPW 4131	Emphasis on contemporary Cuban and Puerto Rican literature.
SPW	6910	Directed Research	1-19	AS	WLE	PR: GR. ML, CC. S/U.	
SPW	6936	Graduate Seminar	3	AS	WLE	PR: CC	Topics vary.
SPW	6971	Thesis: Master's	2-19	AS	WLE	PR: CC. S/U.	
SSE	5331	Foundations, Curriculum & Instruction of Social Science Education	3	ED	EDI		Social studies curriculum, methods of instruction and social, philosophical and psychological foundations are examined. Students are expected to plan and present instructional plan(s) appropriate to middle and secondary school levels demonstrating command of the course content.
SSE	5332	Methods & Strategies in Social Science Education	3	ED	EDI		Social studies methods and strategies are examined with an emphasis on the secondary school environment. The teaching profession, school settings, and current issues are examined. Students are expected to plan and present instructional plan(s) appropriate to senior high school demonstrating command of the course content.
SSE	5641	Reading and Basic Skills in the Content Area	3	ED	EDI		Reading skills and the other basic skills as applied to the social studies are examined. Students are expected to plan and present instructional plan(s) appropriate to the social studies classroom demonstrating command of the course content. Fieldwork in a middle school is required.
SSE	5644	Economic Decision-Making for	3	ED	EDW	PR: Admission to College of Education or	Provides teachers (K-12) with content related to the operation of businesses in a market economy.



		Teachers				DPR.	Teachers analyze economic/business concepts from the perspective of individuals currently operating businesses in the Tampa Bay area. Focus of the instruction is on the application of content to K-12 instructional programs.
SSE	6617	Trends in K-6 Social Science Education	3	ED	EDE	PR: Dual Track or MAT Admission.	This course focuses on theoretical foundations and strategies employed by effective social studies teachers in motivating K-6 aged youth to acquire the information, skills, and reasoning unique to the social sciences. Students also conduct research.
SSE	6636	Trends in Secondary Social Science Education	3	ED	EDW	PR: SSE 4333, SSE 4334, SSE 4335.	This course is designed for graduate students to research the history, theory, practices and current trends of social science education and to develop a personal, academic social science philosophy.
SSE	6906	Independent Study in Social Sciences Education	1-6	ED	EDW		An opportunity for advanced graduate students to examine a specific issue or topic in the field of social science education.
SSE	6932	Selected Topics in Social Science Education	3	ED	EDI	PR: Admission to Masters	Readings and discussions organized around an in-depth examination of selected social studies education topics selected by professors.
SSE	6947	Internship	6	ED	EDI	PR: CI.	This course provides students with an extended school-based experience, under the guidance of a cooperating teacher and a university supervisor, for a full semester at or near the end of their graduate program. Open to graduate degree candidates only. Supervised teaching at the secondary level as appropriate. S/U (PR: CI)
SSE	7700	Social Science Curriculum and Instruction Issues	4	ED	EDI	PR: Admittance to the Social Science Ph.D. program.	This advanced graduate course investigates current trends and new directions in the social science curriculum, leading theories and practices related to instructional methodology, and implications of significant research and developments in the field.
SSE	7710	Research in Social Science Education	4	ED	EDI	PR: Admittance to the Social Science Ph.D. program.	This course prepares doctoral students in social science education to be active scholars. Students engage in a preliminary research study, examine theoretical, technical,

							ethical and practical issues related to conduct of research in education.
SSE	7720	Social Science Education Technological Innovations	4	ED	EDI	PR: Admittance to the Social Science Ph.D. program.	This course examines the use of technology in the social science classroom, barriers to integration, unrealized potential of technology and consequences of technological development on children and youth.
SSE	7730	Philosophy of Social Science Education	4	ED	EDI	PR: Admittance to the Social Science Ph.D. program.	This advanced graduate course allows students to research the philosophical and theoretical underpinnings of a social science education and the role of a university as well as to develop a personal, philosophical construct.
SSE	7910	Directed Research in Social Sciences Education	1-19	ED	EDW	PR: CI	This course permits a doctoral student to conduct advanced research and to pursue specific areas of interest with a faculty member as supervisor. A contract is required with the faculty member. S/U
SSE	7945	Applied Research in Social Science Education	2	ED	EDI	PR: Admittance to the Social Science Ph.D. program.	This course provides doctoral students in social science education with the opportunity to teach postsecondary courses, engage in sustained research, pursue external funding, and participate in professional activities.
SSE	7980	Dissertation in Social Science Education	2-24	ED	EDW	PR: Admission to Candidacy	Rpt.
STA	5166	Statistical Methods I	3	AS	MTH	PR: STA 4321 or CI.	Statistical analysis of data by means of statistics package programs. Regression, ANOVA, discriminant analysis, and analysis of categorical data. Emphasis is on inter-relation between statistical theory, numerical methods, and analysis of real life data.
STA	5228	Sampling Techniques	3	AS	MTH	PR: STA 4321 or CI.	Sampling versus total enumeration. Planning of a survey. Statistical sampling methods and their analysis; simple, stratified, systematic cluster, and double and multistage sampling. Use of auxiliary information in sampling. Ratio and regression estimates. Case study.
STA	5326	Mathematical Statistics I	3	AS	MTH	PR: STA 5446.	Sample distribution theory, point & interval estimation, optimality theory, statistical decision theory, and hypothesis testing.
STA	5446	Probability Theory I	3	AS	MTH	PR: STA 4442 and MAA 4212	Axioms of probability, random variables in Euclidean spaces,

						or CI.	moments and moment generating functions, modes of convergence, limit theory for sums of independent random variables.
STA	5526	Non-Parametric Statistics	3	AS	MTH	PR: STA 5326 or CC.	Theory and methods of non-parametric statistics, order statistics, tolerance regions, and their applications.
STA	6167	Statistical Methods II	3	AS	MTH	PR: STA 5166.	Design of statistics programs, pivoting and other technology used in stepwise regressions, algorithms in non-linear regression, balanced and unbalanced ANOVA. Iteration methods for numerical solutions of likelihood equations.
STA	6206	Stochastic Processes	4	AS	MTH	PR: STA 5446.	Poisson processes, renewal theorems, Markov chains on a countable state space, continuous-time Markov processes with a countable state space, birth and death processes, branching processes, introduction to Brownian motion.
STA	6208	Linear Statistical Models	3	AS	MTH	PR: STA 5167 or STA 5326 or CI.	Distribution theory, estimation, and hypothesis testing for the general linear model. Experimental designs, including randomized block and incomplete block designs. Multiple regression, ANOVA, and ANCOVA.
STA	6447	Probability Theory II	3	AS	MTH	PR: STA 5446 and MAA 5306 or CI.	Characteristic functions, central limit theorem, martingale inequalities and convergence theorems, optional stopping, ergodic theorems and applications.
STA	6746	Multivariate Analysis	3	AS	MTH	PR: STA 5326 or CI.	Multivariate normal distribution; its properties and inference; matrix random variables; multiple and partial correlation; discriminant analysis, principle components and factor analysis; multivariate ANOVA; analysis of covariance; applications using computers.
STA	6876	Time Series Analysis	3	AS	MTH	PR: STA 5326 or CI.	Theory and applications of discrete time series models illustrated with forecasting problems. Filtering, forecasting, modeling, and spectral analysis of time series. Control problems. Applications using a computer.
SYA	6126	Contemporary Sociological Theory	3	AS	SOC	PR: Undergraduate course in sociological theory or CI	Emphasizes logical and conceptual dimensions of theory and theory construction.
SYA	6204	Social	3	AS	SOC	PR: GS or	An examination of social problems

		Problems, Identity, and Community				Department Approval	using social constructionist theoretical perspectives. Topics focus on how meaning is created within historically, culturally, and politically situated communities.
SYA	6205	Social Construction of Reality	3	AS	SPE	PR: Graduate Standing.	Evolution of the concept of social construction; emphasizes the consequences of understanding lived experiences and discursive representations as social constructions. Topics include depression, child abuse, masculinity/femininity, and sexual harassment.
SYA	6305	Methods of Research	3	AS	SOC	PR: Undergraduate course in sociological research methods or CI.	Logic and practice of research; problems of observation and data collection, data processing, and evaluation.
SYA	6315	Qualitative Research Methods	3	AS	SOC	PR: Undergraduate course in sociological research methods or CI.	Designed to introduce students to qualitative research methods, such as participant observation and intensive interviewing that require the researcher to get close to the social situation of interest.
SYA	6405	Sociological Statistics	3	AS	SOC	PR: Undergraduate statistics course or CI.	Logic and application of parametric and nonparametric statistical analysis for sociological data.
SYA	6437	SPSS and Social Research	3	AS	SOC	PR: Research Methods and Statistics.	Provides students with practical experience using SPSS (Statistical Package for the Social Sciences). Introduces students to measurement of sociological variables, data processing, and various parametric and nonparametric data analysis procedures.
SYA	6475	Community Analysis	3	AS	SOC	PR: Undergraduate course in urban sociology, sociology of organizations, or CI.	Theories of community and community organization. Methods of community study; problems of urban areas.
SYA	6505	The Communication of Sociology	1-3	AS	SOC		Designed to help students define and formalize more effective efforts at communicating sociology.
SYA	6909	Independent Study	1-19	AS	SOC	PR: GS, CI. S/U.	Independent study in which student must have a contract with an instructor.
SYA	6912	Directed Research	1-19	AS	SOC	PR: GS, CI. S/U.	

SYA	6933	Special Topics- Sociology	3	AS	SOC	PR: GS.	Content varies according to interests of students and instructor.
SYA	6971	Thesis: Master's	2-19	AS	SOC	PR: CC. S/U.	
SYD	6706	Race and Ethnicity	3	AS	SOC	PR: GS or Departmental Approval.	Introduces historical development of race, social construction of racial and ethnic identities, race-class-gender interrelationships, and various issues of immigration. Exploration of theories used to explain racial and ethnic inequality today.
SYG	6936	Seminar in Teaching Sociology	3	AS	SOC	PR: GS or Departmental Approval	Provides a key link for future teaching sociologists, assisting them to make the switch from consumers to educators of the sociological perspective. Places equal emphasis on theoretical and practical issues surrounding teaching sociology.
SYO	5365	Industrial Sociology		AS	SOC		
SYO	6125	Family Analysis	3	AS	SOC	PR: Course in family or CI.	Theory of interpersonal relations and interaction in the modern family. Analysis of functions and roles.
SYO	6255	Seminar in Sociology of Education	3	AS	SOC	PR: GS or Departmental Approval.	Sociological analysis of the institution of education. Primary attention directed toward class, race, and gender inequalities and educational transformations.
SYO	6406	Sociology of Health and Illness	3	AS	SOC	PR: GS.	Survey of core concepts and current research in the sociology of health and illness: social correlates of disease, health care utilization, physician-patient relations, medical compliance, and illness behavior.
SYO	6545	Complex Organizations	3	AS	SOC	PR: Course in social organizations or CI.	Organizational theory, bureaucratic models, authority, power legitimation, and types of formal organization.
SYO	7435	Sociology of Disability in Urban Society	3	AS	SOC		This course critically evaluates current controversies over the utility of a variety of theoretical perspectives and research methods in understanding the lived experience of disability in 21st century urban society.
SYP	6306	Comparative Social Movements	3	AS	SOC	PR: GS or department approval.	Provides an overview of the various theoretical perspectives used to explain the emergence, growth, strategies and success of social movements in contemporary America and in other countries.
SYP	6425	Sociology of Consumer	3	AS	SOC	PR: GS or department	This course critically examines the key theories and analyses of

		Culture				approval.	American consumerism with special attention to inequalities of race, class, and gender.
SYP	6515	Sociology of Deviance	3	AS	SOC	PR: GS or Department Approval.	Develops knowledge of traditional theories of deviance as well as critiques them. Through development of alternative perspectives, challenges constructions of deviance and the mechanisms of power.
TAX	5015	Federal Taxation of Business Entities	3	BA	ACC	PR: TAX 4001 with a grade of \	
TAX	6005	Advanced Partnership Taxation	3	BA	ACC	PR: TAX 4001.	A study of advanced income tax problems involving partnerships, including organization, operation, distributions, liquidations, basis, family partnerships, and sales and exchanges. The planning and business aspects of partnerships are emphasized.
TAX	6016	Advanced Corporate Taxation I	3	BA	ACC	PR: TAX 4001	This is the first of two sequential courses on Advanced Corporate Taxation. This course studies advanced income tax problems involving corporations, including organization, operation, distribution, and liquidation. Topics include \
TAX	6025	Advanced Corporate Taxation II	3	BA	ACC	PR: TAX 6016	This is the second of two sequential courses on Advanced Corporate Taxation. This course covers advanced corporation topics including multiple corporations, transfer of corporate attributes, corporate divisions, corporate reorganizations, consolidated corporate tax returns, limitation on corporate loss carry-forwards and taxation of foreign corporations and foreign source income.
TAX	6134	Advanced Corporate Taxation	3	BA	ACC	PR: TAX 4001 and TAX 5015	A study of advanced income tax problems involving corporations, including organization, operation, distributions, liquidations, consolidated corporate tax returns, and taxation of foreign corporations and foreign source income.
TAX	6445	Estate Planning	3	BA	ACC	PR: TAX 4001.	This course covers the basics of estate, gift, and trust taxation and introduces the student to tax planning techniques to minimize the tax-burden on inter-generation transfers of wealth.

THE	5909	Directed Studies	1-6	VP	TAR	PR: CI and CC.	Independent studies in the various areas of Theatre. Course of study and credits must be assigned prior to registration.
THE	5931	Selected Topics In Theatre	1-8	VP	TAR	PR: CI.	The content of the course will be governed by the student demand and instructor interest. May be lecture or class discussion or studio format.
THE	6175	New British Theatre and Drama	3	VP	TAR	PR: Graduate standing or CI.	A study of contemporary theatrical practice and key dramatic texts in the British Isles. Departmental permit required of majors and non-majors.
THE	6720	Drama in Elementary School	3	VP	EDD		Methods of using theatre and drama activities in elementary school, including use of drama and theatre for interdisciplinary, integrated projects. Available to majors and non-majors, no extra laboratory sections.
THE	6736	Methods of Directing the High School Play	3	VP	EDD		Directing the high school play including script selection, analysis and interpretation, audition and casting procedures, composition, picturization, staging movement, rhythm and pacing, pantomimic dramatization, organizing and conducting rehearsals.
THE	6930	Selected Topics in the Teaching of Theatre	3	VP	EDD	PR: Open only to students who have completed all other graduate level Theatre Education courses). S/U.	Investigation of topics related to theatre teaching of special interest to the student. Topics will be selected by the student and approved by the graduate advisor.
TSL	5321	ESOL Strategies for Content Area Teachers	3	AS	WLE		Course designed for public school teachers working with limited English Proficient (foreign) students in the classroom. The new ESOL requirements specify that this course be offered to content area teachers and to ESOL teachers.
TSL	5371	Methods of Teaching English As A Second Language	3	AS	WLE		Analysis of the methods of teaching English pronunciation and structure to speakers of other languages.
TSL	5372	ESOL Curriculum and Instruction	3	AS	WLE		Analysis of the methods of teaching English pronunciation and structure to speakers of other languages.
TSL	5471	Language Testing	3	AS	WLE	PR: TSL 5371.	Lecture course on testing English as a second/foreign language.
TSL	5525	Cross-	3	AS	WLE	PR: LIN 5700.	Lecture course on cultural issues in

		Cultural Issues in ESL					Teaching English as a Second/Foreign language.
TSL	6945	Internship	1-6	AS	WLE	PR: TSL 5371 and TSL 5372. S/U.	Required of all candidates for the M.A. degree in TESL. Supervised teaching of English as a second language to non-native speakers at appropriate levels and settings.
TTE	5205	Traffic Systems Engineering	3	EN	EGX	PR: TTE 4004 or equivalent.	Traffic models, intersection analysis, capacity analysis, data methods collection, parking studies, volume and speed studies, freeway management, and advanced technologies.
TTE	5501	Transportation Planning and Economics	3	EN	EGX	PR: College Algebra & CI.	Fundamentals of urban transportation planning: trip generation, trip distribution, modal split, traffic assignment. Introduction to environmental impact analysis, evaluation and choice of transportation alternatives.
TTE	6270	Intelligent Transportation Systems	3	EN	EGX	PR: TTE 5605.	ITS architecture design and evaluation, simulation and modeling, advanced traffic management systems, traveler information systems, vehicle control systems, commercial vehicle operations, public transportation systems, and telecommunications.
TTE	6315	Transportation Safety	3	EN	EGX	PR: TTE 5605.	Transportation safety studies, accident data analysis, traffic safety control devices, special population and vehicle safety, highway conflict studies, accident reconstruction, and tort and liability issues.
TTE	6505	Discrete Choice Models of Travel Behavior	3	EN	EGX	PR: TTE 5501.	Theories of travel behavior; multinomial logit and nested logit models of mode choices, destination choice, and car ownership. Theory and application to travel forecasting.
TTE	6507	Travel Demand Modeling	3	EN	EGX	PR: TTE 5501.	Statistical modeling of travel demand forecasting; emphasis on trip generation and trip chaining.
TTE	6651	Public Transportation	3	EN	EGX		Planning, design and operation of public transportation systems; costs and productivity of transit; impacts of transit on travel behavior and urban form; ridership forecasting; public transportation policy analysis.
TTE	6655	Transportation and Land Use	3	EN	EGX		Relationships between transportation and land use, coordinated transportation and land use planning, theory of urban development, urban sprawl, integrated transportation and



							land use models, transportation friendly urban design, and accessibility.
TTE	6835	Pavement Design	3	EN	EGX	PR: TTE 4005 or equivalent.	Analysis of flexible and rigid pavements, equivalent single wheel loads, pavement material and their properties, pavement evaluation, reliability, flexible and rigid pavement design, overlay design, pavement life-cycle cost analysis.
TTE	6837	Pavement Management Systems	3	EN	EGX	PR: TTE 4005 or equivalent.	Review of flexible and rigid pavement design, overlay design; pavement evaluation, pavement network delineation, condition prediction models, pavement maintenance and rehabilitation, pavement management techniques, life-cycle analysis.
TTE	6930	Graduate Transportation Seminar	1	EN	EGX	PR: Majors only. S/U.	Seminars, presentations, and discussions of contemporary transportation issues.
URP	6056	City and Regional Planning	3	AS	POL	GS.	A review of goals, objectives, and interrelationships between regional and city planning; intergovernmental and policy issues. Cross-listed with Political Science.
WST	5308	Feminist Spirituality	3	AS	WST		Open to non-majors. Focuses on the many voices of contemporary feminist spirituality, emerging from women's experiences in diverse religious, ethnic and cultural traditions, and representing a range of theoretical perspectives from biblical feminism to goddess worship and wicca.
WST	5825	Internship in Women's Studies	3	AS	WST	PR: Must have completed Comprehensive Exam. Majors Only. All required courses in MA program, CC.	Student placement in approved intern setting for a minimum of 150 hours of supervised experience. S/U. Department Approval Required.
WST	5934	Selected Topics	1-4	AS	WST	PR: DPR.	Study of current research methods and scholarship on women from a multidisciplinary perspective.
WST	5940	Internship in Women's Studies	3-6	AS	WST	PR: Majors only. All required courses in MA program, CC. Permit.	Student placement in an approved intern setting for a minimum of 240 hours of supervised experience. S/U only.
WST	6001	Feminist Research and	3	AS	WST		To develop a more comprehensive understanding of the situation of

		Methodology					women in society and to develop a theoretical basis for integrating this knowledge into the student's graduate course of study. Available to non-majors.
WST	6002	Feminist Scholarship and Pedagogy	3	AS	WST		Introduces students to techniques of feminist teaching and scholarly writing. Covers issues of professionalism, an overview of contemporary scholarly issues in feminist studies, and basic feminist pedagogy. Department Approval Required.
WST	6266	Women of Color: Activism and Social Change	3	AS	WST		Intensive reading and discussion of the participation of women of color in contemporary revolutionary and reformist activities. Class project involvement is required.
WST	6406	Women of Color/Activism and Social Change	3	AS	WST		Intensive reading and discussion of the participation of women of color in contemporary and reformist activities.
WST	6560	Advanced Feminist Theory	3	AS	WST		An in-depth exploration of current issues and debates in Feminist Theories. Topics may include: representation, essentialism, authority structures, subjectivity, identity and difference. Department Approval Required.
WST	6562	Body Politics	3	AS	WST		An in-depth feminist exploration of how the body is produced, inscribed, replicated, and often disciplined as a result of various powers at work.
WST	6705	Women and Policy	3	AS	WST		Examination of policy areas such as employment, violence, welfare which have a significant impact on women. The aim is to achieve a deeper understanding of the way in which gender functions as a category of analysis in policy decision, and also examines and critiques the area from which policy is produced.
WST	6900	Directed Readings	1-3	AS	WST	PR: CI.	Supervised program of intensive readings of an interdisciplinary nature focusing on women. Student must have contract with instructor.
WST	6910	Directed Research	1-3	AS	WST	PR: CC and signed contract. S/U.	Provide graduate students with research experience in areas of specific interest utilizing feminist perspectives and research methods.
ZOO	5235	Parasitology	3	AS	BIO	PR: MCB 3020C, PCB 3023, PCB 3043, PCB	Fundamentals of animal parasitology and parasitism, the biology of selected animal parasites, including those of major importance to man.

						3063, ZOO 3205C, ZOO 4753C, CI.	
ZOO	5456	Ichthyology	3	AS	BIO	PR: Senior or GS in Biology; ZOO 2701C, CI. PCB 4674 is suggested.	Evolution, systematics, structure, behavior, physiology, and ecology of fishes.
ZOO	5456L	Ichthyology Lab	1	AS	BIO	CR/PR: ZOO 5456	Laboratory portion of Ichthyology relating to evolution, systematics, structure, behavior, physiology and ecology of fishes.
ZOO	5463C	Herpetology	4	AS	BIO	PR: CI.	Major aspects of amphibian and reptilian biology emphasizing fossil history, evolutionary morphology, sensory physiology, life history and reproductive behavior. Lec.-lab. Field trip.
ZOO	5555C	Marine Animal Ecology	4	AS	BIO	PR: PCB 3043, senior standing, CI.	Investigation of energy flow, biogeochemical cycles, and community structure in marine environments. Lec.-lab.
ZOO	6455	Advances in Ichthyology	1	AS	BIO	PR: CI.	This course discusses current topics in Ichthyology. Readings are taken from the primary literature. The course is restricted to graduate students with a background in Ichthyology.

## Section 30

### INDEX

- 
- Academic Calendar, 6  
 Academic Committee Pre-Hearing Procedure, 84  
 Academic Dishonesty and Disruption of Academic Process, 81, 83  
 Academic Load, 76  
 Academic Record, 77  
 Academic Residency, 97  
 Academic Standards and Grades, 90  
 Academic Standing, 76  
 Academic Term and Student Information, 76  
 Accelerated Degree Programs, 122, 634  
 Accountancy, 254  
 Accreditation, 3  
 Additional Requirements of Programs, 72  
 Adds, 78  
 Administration, University, 4  
 Administrative Holds, 75  
 Admission Requirements, University, 70  
 Admission to Candidacy, 89, 99  
 Admissions, 70  
 Adult Education, 283, 285, 286, 288, 290  
 Aging Studies, 136  
 American Studies, 138  
 Anthropology, 139, 140  
 Anthropology, Applied, 144-146  
 Appeals, Grievance, 88  
 Application Checklist, 71  
 Application Fee, 71  
 Application for Degree (Graduation), 103  
 Applied Behavior Analysis, 627  
 Architecture (M.Arch.), 130  
 Art (M.F.A.), 607  
 Art History (M.A.) 611  
 Arts and Sciences, 133, 246  
 Audiology 148-149  
 Auditing Privileges and Fees, 78  
 Aural (Re) Habilitation, 151  
 Bioethics and Medical Humanities, 566  
 Bioinformatics and Computational Biology, 567  
 Biology, 152-155  
 Biomedical Engineering, 503-505  
 Business Administration, 251, 256, 258, 261, 262, 272, 274  
 Business and Office Education 293, 294  
 Business Economics 264  
 Calendar, Academic 6  
 Cancellation before First Class Meeting, 78  
 Cancer Biology, 628  
 Career and Technical Education , 295  
 Career and Workforce Education, 297  
 Change of Graduate Programs 74, 92  
 Changes after Publication, 96, 101  
 Changes to Committee, 94, 98  
 Cheating, 82  
 Chemical Engineering, 507-511  
 Chemistry, 159-163  
 Civil Engineering, 512-516  
 Class Standing, 76  
 Classics: Latin/Greek (Co-Op w/UF) (M.A.), 166  
 College Leadership Concentration (Ed.D.), 353  
 College Student Affairs Concentration, 299  
 College Teaching, 301-330  
 Commencement, 103  
 Committee Member Definition, 94, 98  
 Communication, 167-168  
 Communication Sciences and Disorders 169  
 Computer Science Engineering, 517-528  
 Conditional Admission Criteria, 73  
 Deferment of Admission Request, 73  
 Conduct Clearance Policy, 72  
 Continuing Registration Grades (Z) 92  
 Continuous Enrollment for all Graduate Students, 89  
 Counselor Education, 332-335  
 Course Attendance at First Class Meeting, 78  
 Course Descriptions and availability, 78, 640-907  
 Courses, 637  
 Criminology, 171-173  
 Curriculum and Instruction 337-339  
 Degree Seeking Student, 76  
 Degrees and Concentrations, 105  
 Degrees in Memoriam, 104  
 Diplomas, 103  
 Directed Research, 95, 100  
 Disruption of Academic Process, 83  
 Dissertation 89, 99-102  
 Distributive and Marketing Education (M.A.), 341  
 Distributive Education Concentration (M.Ed.), 342  
 Doctoral Committee, 98  
 Doctoral Comprehensive Qualifying Examination, 99  
 Doctoral Degree Requirements, 97  
 Dramatic Writing, 613  
 Drops, 78  
 Dual Degree Programs, 92, 124, 636  
 Due Process Rights, 85  
 Duty to Disclose Inventions and Works, 96, 102  
 Early Childhood Education (M.A.) 343-346  
 Ed.S. Project, 96  
 Education Specialist Degree Requirements, 96  
 Educational Leadership (M.Ed.), 347-351, 484  
 Educational Program Development (Ed.D.), 355  
 Electrical Engineering, 530-534  
 Elementary Education, 356- 366, 486-489  
 Engineering, Engineering Science 535-541  
 English, 174-177

- English Education, 367-370, 490  
 Enrollment, 89-90, 93, 97  
 Entrepreneurship in Applied Technologies, 630  
 Environmental Engineering 542-545  
 Environmental Science and Policy, 178-180  
 Equal Opportunity Policy, 76  
 Exception Admission Criteria, 73  
 Exchange of Thesis for Non-Thesis Credit ,95  
 Exclusions, 78  
 Executive M.B.A., 265, 267  
 Faculty Definition, 93  
 Faculty, Architecture, 7  
 Faculty, Arts and Sciences, 8  
 Faculty, Business , 29  
 Faculty, Education, 37  
 Faculty, Engineering, 49  
 Faculty, Interdisciplinary Programs, 69  
 Faculty, Marine Science, 51  
 Faculty, Medicine, 54  
 Faculty, Nursing, 55  
 Faculty, Public Health, 58  
 Faculty, Visual and Performing Arts, 66  
 Final Admission Criteria, 73  
 Financial Aid, 80  
 Foreign Language Education, 371-381  
 Format, 95, 99  
 French, 182  
 Geography (M.A.), 183  
 Geography and Environmental Science and Policy (Ph.D.), 186  
 Geology , 188-190  
 Gerontology , 192  
 Goals, 3  
 Grade Point Average (GPA) 90  
 Grading System, 91  
 Graduate Catalog, 88  
 Graduate Certificates, 76, 125  
 Graduation Information, 103  
 Grievance Procedures, 85  
 Health Administration (MHA), 594  
 Hearings 84  
 Higher Education, Administration, 382-386  
 History, 194  
 Human Resource Development, 388  
 In Good Standing, 90  
 Incomplete (I), 91  
 Industrial Arts – Technology Education 389  
 Industrial Engineering 550-554  
 Instructional Technology Education 390-393  
 Interdisciplinary Programs, 395-400, 625  
 International Applicants, 70  
 Latin American, Caribbean and Latino Studies, 196  
 Leaves of Absence (LOA), 90  
 Letters of Certification, 103  
 Liberal Arts (M.L.A.) 198, 248  
 Library and Information Science (M.A.), 200  
 Linguistics (M.A.), 202  
 Linguistics: English as a Second Language (ESL), 203  
 Major Professor, 94, 97  
 Management (M.S.), 268  
 Management Information Systems (M.S.), 270  
 Mandatory Electronic Submission, 96, 101  
 Manuscript Processing Fee, 95, 100  
 Marine Science 556-561  
 Mass Communications , 204, 249  
 Master's Degree Requirements, 93  
 Masters Comprehensive Examination, 95  
 Mathematics, 205-207  
 Measurement and Evaluation Concentration, 409-414  
 Mechanical Engineering 551-555  
 Medical Requirements for Registration, 75  
 Medical Sciences 568, 569  
 Medicine, 563  
 Microbiology (M.S.), 210  
 Middle Grades Education 417-423  
 Minimum Hours , 93, 97  
 Missing (M), 91  
 Music Education, 424-24, 622  
 Music, 614, 619  
 Non-Degree Seeking Student, 76  
 Nursing, 576-587  
 Off-Campus Courses and Programs, 92  
 Outside Chair of the Defense, 100  
 Penalty Guidelines, 82  
 Philosophy (M.A.), 213-215  
 Physical Education, 426, 428  
 Physical Therapy, 570-574  
 Physics, 217-220  
 Plagiarism, 81  
 Plus/Minus Grading, 91  
 Political Science (M.A.), 221  
 Posthumous Degrees or Degrees in Memoriam, 104  
 Probation, 92  
 Provisional Admission Criteria, 73  
 Psychology 222-223  
 Public Administration (M.P.A.), 226  
 Public Health, 589-601  
 Reading Education, 429-433, 491  
 Regional Campuses, 4  
 Registration Information, 75  
 Rehabilitation and Mental Health Counseling, 229  
 Reinstatement following Non-Enrollment, 89  
 Release of Student Information, 77  
 Release of Thesis and Dissertation Publications, 96, 101  
 Religious Studies 32, 231  
 Residency Policy, 72, 97  
 Satisfactory/Unsatisfactory (S/U), 91  
 School Psychology, 434-439  
 Second Language Acquisition and Instructional Technology (Ph.D.)235, 400, 451, 632  
 Secondary Education, 450  
 Semester System, 76  
 Social Science Education,453-455  
 Social Work 236-238  
 Sociology (M.A.) 240  
 Spanish (M.A.) 241  
 Special Education 456-577, 493-494  
 Speech-Language Pathology, 242  
 Standards and Discipline, 85  
 Statement of Principles, 70  
 Student Affairs Administration, 478  
 Student Conduct, 81  
 Student Definitions, 76  
 Student Records Policy, 77

Student Responsibilities, 81, 93  
Student with Disabilities Policy, 74  
Student's Program Degree Requirements, 88  
Student's Program of Study 89  
Supervisory Committee Responsibilities, 94, 98  
Test Scores, 71  
The Use of "Ph.D." in Credentials, 102  
Theatre Education, 479  
Time Limitations, 93, 97  
Transcripts, 71, 104  
Transfer of Credit, 92  
Transient Student, 77  
Tuition, 80  
Update of Admission Request, 73  
Denial of Admission, 73  
Reinstatement of Admission, 73  
USF Full-time Student Definition, 89  
USF Mission, 3  
Values, 3  
Veteran Deferment Benefits, 80  
Vision, 3  
Visual and Performing Arts 604  
Vocational Education, 480-481  
Withdrawal, 78, 92  
Women's Studies (M.A.) 244  
Z Grades, 92