Teaching and Learning

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General Information

The Department of Teaching and Learning offers graduate degrees leading toward the Master of Science, Education Specialist, Doctor of Education degrees, and Doctor of Philosophy degrees. Additionally the department offers a Master of Arts in Teaching (MAT) in Art Education for students who do not hold a bachelor’s degree in education. This degree leads to State of Florida teacher certification Art Education.

The department is committed to the generation and application of knowledge through research and service to the community.

Master of Arts in Teaching
Art Education (K-12)

Master of Science Programs
Art Education
Curriculum and Instruction
Specializations in:
  • Curriculum Development
  • Elementary Education
  • English Education
  • Modern Language Education
  • Learning Technologies
  • Mathematics Education
  • Physical Education
  • Science Education
  • Social Studies Education
  • Special Education
Early Childhood Education
Foreign Language Education
  • TESOL Track
Physical Education
  • Sport Science Track
Reading Education (K-12)
  • Special Education

Educational Specialist Program
Curriculum and Instruction
Specializations in:
  • Art Education
  • Early Childhood Education
  • Elementary Education
  • English Education
  • Instructional Leadership
  • Learning Technologies
  • Mathematics Education
  • Modern Language/Bilingual Education
  • Reading Education
  • Science Education
  • Social Studies Education

Doctor of Education in Curriculum and Instruction
Specializations in:
  • Art Education
  • Early Childhood Education
  • Elementary Education
  • English Education
  • International and Intercultural Development Education
Doctor of Education in Exceptional Student Education

Doctor of Philosophy in Curriculum and Instruction
Specializations in:
- Language, Literacy and Culture
- Mathematics, Science and Learning Technologies
- Curriculum and Instruction

All stated admission requirements are to be considered minimum. A student who meets these minimum requirements is not automatically assured admission.

Other Programs:
Education Minor and Alternative Certification (not a degree program)

Master of Arts in Teaching
The Master of Arts in Teaching is offered in Art Education and is for candidates without a certification in teaching. This degree is no less rigorous than the advanced master degree program, but includes courses which provide the necessary background in professional education.

Master of Arts in Teaching Art Education (K-12)
Degree Program Hours: (54)

Admission Requirements
1. BFA or a Bachelor’s degree or a strong minor (30 hours with a 3.0 GPA or higher) in Fine Arts and a minimum of 3.0 cumulative GPA or higher for the last 60 hours of upper division coursework.
2. Passing scores on all sections of the General Knowledge Exam (GK) or CLAS or GRE (considered on an individual basis). Note: GRE is NOT required, but can be used in place of GK. However, GK is recommended as it is an exit requirement.
3. In addition the applicant must submit two (2) letters of recommendation, a résumé, a statement of personal philosophy/professional goals consistent with the objectives of the masters program. Letters and any other supporting documents are to be sent to FIU Graduate Admissions Office, 11200 SW 8th Street, PC 230, Miami, FL 33199.
4. After submission of application, applicants must schedule a portfolio interview with the Graduate Program Director. The Portfolio should contain fifteen (15) pieces of artwork including at least three (3) drawings.

Required Courses: (54)
- EDF 5443 Measurement and Evaluation in the Classroom 3
- EDF 5517 Education in American History 3
- EDG 5414 Instructional Strategies in Teaching 3
- EDP 5053 Educational Psychology: Principles and Applications 3
- EEX 6051 Educational Needs of Students with Exceptionalities 3
- ESE 5344C Secondary Classroom Management 3
- RED 5339 Subject Related Reading 3
- TSL 5361C TESOL for Secondary Teachers 3
- ARE 4316 Special Teaching Lab: Art K-5 3
- ARE 4341 Special Teaching Lab: Art 6-12 3
- ARE 5945 Practicum in Art Education 6
- ARE 6140 Curriculum and Instruction in Art 3
- ARE 6xxx Art Education Workshop 9
- ARE 6262 Organization and Coordination of Art 3
- ARE 6746 Seminar in Art Education 3

Applications to student teaching are due in the office of the Director of Student Teaching by July 1 for Spring semester placement and by March 1 for Fall semester placement. Check with the program leader early in program enrollment to determine Fall placement availability.

Graduation Requirements
1. An overall GPA of at least 3.0
2. Successful demonstration of all of the Florida Educator Accomplished Practices at the Preprofessional level
3. Passing score on all three sections of the Florida Teacher Certification Examination and official evidence provided.
4. Upload all required course and program artifacts into Taskstream account.

Note: If CLAST is passed prior to July 1, 2002, the new General Knowledge subtest may be waived.

Advanced Master of Science Degree Programs
Applicants for admission to advanced Master's programs in Education must hold or qualify for teacher certification in the appropriate area. Early Childhood Education applicants must hold or qualify for certification or equivalent in elementary, special or early childhood education (including practical teaching experience requirement). All applicants must also satisfy Board of Education admission requirements: a Bachelor’s Degree or pass State of Florida Certification Exams, a GPA of 3.0 or higher for the last 60 hours of upper division coursework. Some programs require 3 letters of recommendation, an autobiography, and GRE scores. Applicants admitted with a pending GRE score must submit test score within one semester to be fully admitted or become a candidate for graduation.

NOTE: Several MS programs have different admissions requirements. Review specific degree requirements in this catalog and consult with Program Director for further information.
Master of Science in Art Education

Degree Program Hours: (36)

Admission Requirements

Applicants for admission into the Master of Science in Art Education program must meet the minimum University Graduate School admission criteria. Admission to the masters program will be based on the following criteria:

1. Applicants for admission to the MS-Art Education program must hold or qualify for the Florida teacher certification in art. All applicants must also satisfy the Board of Education admission requirements. A GPA of 3.0 or higher in the last 60 semester hours of upper division undergraduate study.

2. Application materials must include two (2) letters of recommendation, a résumé, a statement of personal philosophy/professional goals consistent with the objectives of the masters program.

3. After submission of application, applicants must schedule a portfolio interview with the Graduate Program Director. The Portfolio should contain fifteen (15) pieces of artwork including at least three (3) drawings.

Transfer of Credit

Students may be allowed to apply up to six semester hours of course work taken at accredited institutions to the masters program requirements with the following stipulations:

- The student received a grade of 3.0 or better on a 4.0 scale.
- The course was relevant, as judged by the Admissions Committee.
- The course is listed on an official transcript received by the Graduate Admissions Office.
- The course will be no older than 6 years at the time of graduation with a master's degree.
- The course meets all University requirements.

Education, including Art Professional Studies: (6)

EDF 5481 Foundations of Educational Research 3

Select one of the following:

EDE 6205 Curriculum Design for Childhood Education 3

or

ESE 6215 Secondary School Teaching Field 3

or

EEX 6051 Education of Students with Exceptionalities 3

or

EDS 6050 Supervision and Staff Development 3

or

EDF 5955 Field Study Abroad 3

or

EDF 6211 Psychological Foundations of Education 3

Art/Art Education: (30)

ARE 6140 Curriculum and Instruction in Art 3

ARE 6262 Organization and Coordination of School and Community Art Programs 3

ARE 6746 Seminar in Art Education: Contemporary Issues and Research 3

ARE 6925-29 Workshop in Art Education 6

Art History

Studio Art (Three semester hours credit for each studio course) 12

Master of Science in Curriculum and Instruction

The Master of Science in Curriculum and Instruction program requires 36 semester hours beyond the bachelors degree. Up to 6 semester hours of graduate credit may be transferred into the masters program. The Master of Science in Curriculum and Instruction program includes five required components:

1. Curriculum and Instruction Core (9 semester hours)
2. Curriculum and Instruction Elective (3 semester hours)
3. Research Core (6 semester hours)
4. Content Specializations (18 semester hours)
5. Professional Conference (Exhibition)

Admission Requirements

Applicants for admission into the Master of Science in Curriculum and Instruction program must meet the minimum University Graduate School admission criteria. Admission to the masters program will be based on the following criteria:

1. Hold or qualify for teacher certification in an appropriate area. For the Elementary Education specialization, applicants must hold or qualify for Florida certification or equivalent in elementary education, early childhood education, or special education (including practical teaching experience).

2. A bachelor's degree in an appropriate area from an accredited institution.

3. A GPA of 3.0 in the last 60 semester hours of upper division undergraduate study.

4. Two (2) letters of recommendation to support the application. Letters and any other supporting documents are to be sent to FIU Graduate Admission Office, 11200 SW 8th Street, PC 230, Miami, FL 33199.

5. A statement of personal philosophy/professional goals consistent with the objectives of the master's program.

6. International graduate student applicants whose native language is not English are required to submit a score for the Test of English as a Foreign Language (TOEFL) or for the International English Language Testing System (IELTS). A total score of 80 on the IBT TOEFL or 6.5 overall on the IELTS is required. (Exceptions: Students who completed an undergraduate or graduate program from a U.S. institution or accredited higher education institution in other English-speaking countries).

Transfer of Credit

Students may be allowed to apply up to six semester hours of course work taken at accredited institutions to the masters program requirements with the following stipulations:

- The student received a grade of 3.0 or better on a 4.0 scale.
- The course was relevant, as judged by the Admissions Committee.
• The course is listed on an official transcript received by the Graduate Admissions Office.
• The course will be no older than 6 years at the time of graduation with a master’s degree.
• The course(s) meets all University requirements.

Admission Procedures
In order to begin the masters program, a student must be accepted into the University Graduate School and the program in Curriculum and Instruction. Admission procedures are as follows:

1. Complete the online graduate admission application available at http://gradschool.fiu.edu. Official transcripts of all prior college work must be sent to the Graduate Admissions Office at Florida International University, PO Box 659004, Miami, Florida, 33265 to complete the application for admissions. Omission of any one of these items will delay the processing of the application.

2. Two letters of recommendation must be sent. Letters are to be from those who have knowledge of the applicant's prior professional experience (e.g. a supervisor) or of the applicant's ability to perform graduate work (e.g., a professor) and should attest to the applicant's intellectual ability, motivation, maturity, and potential. Letters and any other supporting documents are to be sent to FIU Graduate Admission Office, 11200 SW 8 th Street, PC 230, Miami, FL 33199.

3. Once the University application procedures are completed, the Graduate Admissions Office forwards the applicant's materials to the Department of Teaching and Learning. The file is then forwarded to the program faculty for review. On the basis of its review, the program faculty will (1) recommend admission, (2) withhold a decision and request additional information from the applicant, or (3) deny admission.

4. Admission to the program is determined by the program faculty on the basis of its evaluation of the applicant's academic and professional credentials.

5. Meeting the minimum admission requirements does not guarantee admission into the program.

Program of Study
Curriculum and Instruction Core: (9 semester hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDG 6250</td>
<td>Curriculum Development</td>
<td>3</td>
</tr>
<tr>
<td>EDG 6627</td>
<td>Seminar: Trends and Issues in Curriculum and Instruction</td>
<td>3</td>
</tr>
</tbody>
</table>

Special Methods of Teaching
Choose one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDE 5267</td>
<td>Education of the Child in Urban Society (Required for Elementary, Special Education, and Curriculum Development Specializations)</td>
<td>3</td>
</tr>
<tr>
<td>EME 5315</td>
<td>Instructional Media</td>
<td>3</td>
</tr>
<tr>
<td>FLE 6336</td>
<td>Methods of Teaching Modern Language</td>
<td>3</td>
</tr>
<tr>
<td>LAE 6339</td>
<td>Teaching English in the Secondary School</td>
<td>3</td>
</tr>
<tr>
<td>MAE 6336</td>
<td>Teaching Mathematics in the Secondary School</td>
<td>3</td>
</tr>
<tr>
<td>PET 5716</td>
<td>Analysis and Observation of Teaching in Phys. Ed.</td>
<td>3</td>
</tr>
<tr>
<td>SCE 6366</td>
<td>Teaching Science in the Secondary School</td>
<td>3</td>
</tr>
</tbody>
</table>

SSE 6633 Teaching Social Studies in the Secondary School 3
TSL 6350 Troublesome English: Grammar for ESOL Teachers 3

Curriculum and Instruction Elective (3 semester hours)
Advisor approved elective in Curriculum and Instruction 3

Research Core: (6 semester hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 5481</td>
<td>Foundations of Educational Research</td>
<td>3</td>
</tr>
<tr>
<td>EDF 6487</td>
<td>Field Research for Educators</td>
<td>3</td>
</tr>
</tbody>
</table>

Content Specialization (18 semester hours)
Choose from one of the following specializations:

1. Curriculum Development
2. Elementary Education
3. English Education
4. Learning Technologies
5. Mathematics Education
6. Modern Language Education
7. Science Education
8. Social Studies Education
9. Special Education
10. Physical Education

Professional Conference (Exhibition)

Content Specializations

1. Elementary Education (18 semester hours)
Select 4 graduate courses (with Advisor approval) from the following areas in the College of Education (no more than 6 semester hours from any one area):

- Art Education
- Early Childhood Education
- Mathematics Education
- Reading
- TESOL
- Science Education
- Social Studies Education
- Special Education

Select 2 graduate courses (with Advisor approval) from the following areas in the College of Arts and Sciences:

- Linguistics
- Psychology
- Sociology

2. English Education (18 semester hours)
Select (with Advisor approval) 6 graduate level courses in English/English Education.

3. Learning Technologies (18 semester hours)
Select (with Advisor approval) 6 graduate level courses in Mathematics/Mathematics Education.

4. Mathematics Education (18 semester hours)
Select (with Advisor approval) 6 graduate level courses in Mathematics/Mathematics Education.

5. Modern Language Education (18 semester hours)
Grammar/Composition/Syntax (Specialize in language when possible) 3
Culture/Civilization (Specialize in culture of target language when possible) 3
Linguistics (Specialize in language when possible; course in phonology or phonetics preferred) 3
Literature (in the target language) 3
Applied Linguistics 3
TSL 5245 Developing Language and Literacy 3
TSL 6908 Field Component 3
or
FLE 6925 Special Topics in Second Language Education 3

6. Science Education (18 semester hours)
Select (with Advisor approval) 6 graduate level courses in the Sciences/Science Education.

7. Social Studies Education (18 semester hours)
Select (with Advisor approval) 6 graduate level courses in the Social Sciences/Social Studies Education or Area Studies: African-New World Studies, Asian Studies, Latin American and Caribbean Studies, European Studies. Students are encouraged to take courses with a global/international perspective.

8. Physical Education (18 semester hours)
PET 5216 Sports Psychology 3
PET 5052 Motor Learning for Sport Perf. 3
PET 5256 Sociology of Sport 3
PET 5426 Curriculum in Physical Education 3
or
PET 5436 Physical Education Curriculum: K-8 3
PET 5948 Practicum in Physical Education 3
PET 6597 Survey of Research in Phys. Ed. 3

9. Special Education (18 semester hours)
EEX 5075 Teaching Students with Disabilities in Inclusive Settings* 3
EEX 5068 Instructional Practices ESE I 3
EEX 5608 Behavioral Approaches to Classroom Management 3
EEX 5766 Instructional and Assistive Technology in Special Education 3
EEX 6225 Assessment of Students with Exceptionalities 3
EEX 6106 Acquisition of Speech and Language Skills 3

*If students have already taken EEX 3070 at the undergraduate level, then they will instead take EEX 6051 Education of Students with Exceptionalities.

10. Curriculum Development (18 semester hours)
EDG 5417 Learning Styles Applications 3
EDE 6205 Curriculum Design in Childhood Education 3
ESE 6215 Secondary School Curriculum 3
EDG 6268 Curriculum Evaluation 3
EDG 6920 Colloquium in Curriculum and Instruction 3
EDG 7692 Politics of Curriculum 3

Master of Science in Early Childhood Education

Degree Program Hours: (36)
The Master of Science degree in Early Childhood Education provides graduate training in the understanding and teaching of children from birth to eight. The program provides students with a foundation in curriculum and instruction and specialization in learning and development during early childhood.

Admissions Requirements
Applicants must meet the minimum University Graduate School admissions requirements. Specific requirements for admissions into the M.S. degree in Early Childhood Education are as follows:
1. A Bachelor's Degree from an accredited institution in education, psychology, human development, or related field with a 3.0 GPA on a 4.0 scale in the last 60 hours of undergraduate work.
2. Two (2) letters of recommendation to support the applicant. At least one (1) letter must be from an individual working in early childhood education. Letters and any other supporting documents are to be sent to FIU Graduate Admission Office, 11200 SW 8th Street, PC 230, Miami, FL 33199.
3. A statement of intent describing the applicant's personal and professional goals in relation to (a) how the program will help the applicant reach these goals and (b) how the applicant's goals are consistent with the program's mission.
4. A current resume/curriculum vitae that includes, at a minimum, educational history (with relevant courses listed), employment background, and relevant/related experiences.

Program Requirements
The M.S. in Early Childhood Education program requires all students to take 15 hours of foundation courses in curriculum and instruction and in methods/statistics. Students take an additional 18 hours within early childhood education/development, and 3 hours of education-related electives.

A. General Courses: (15 hours)
1. Foundations (9 hours)
   EDF 6211 Psychological Foundations of Education 3
   EEC 6261 Education Programs for Younger Children 3
Choose one (1) course in social, philosophical, and/or historical foundations of education, such as EDF 6608 or equivalent special topic (EEX 5926) course.

2. Research Methods & Data Analysis (6 hours)
   EDF 5481 Foundations Educational Research 3
   EDF 6472 Research Methods in Ed: Introduction to Data Analysis 3

B. Early Childhood Education/Development (18 hours)
1. Required Courses (6 hours)
   EEC 6678 Research in Early Childhood Education 3
   EEC 6705 Typical and Atypical Child Development 3

2. Early Education Elective Courses (12 hours)
   Select four (4) advisor-approved electives in Early Childhood Education, such as
   EEC 6932 Seminar in Early Childhood Education 3
   LAE 5415 Children's Literature 3
   MAE 6305 Instruction in Early Childhood Mathematics 3
   SCE 6306 Instruction in Early Childhood Science 3
   RED 6305 Instruction in Early Childhood Reading 3
C. Elective Course OR Thesis (3 hours)
Select one (1) advisor approved elective in education, psychology, human development, or related field. Students may opt to complete a thesis instead of taking an elective course.

Graduation Requirements
Students must meet all Department, College, Graduate School, and University graduation requirements. No grades of “C-” or less received in courses that are part of a masters program of study will be accepted toward graduation.

Master of Science in Foreign Language Education
The Master of Science in Foreign Language is designed to provide specialized training and content knowledge for teachers of all levels of foreign language, K through 12, adult education, and community college education.

Degree Program Hours: (33)

Admission Requirements
To be admitted into the Master’s degree program, a student must:
1. hold a bachelor’s degree from an accredited university or college;
2. have a ‘B’ (3.0) average or higher in all junior and senior year course work for the bachelor’s degree;
3. International graduate student applicants whose native language is not English are required to submit a score for the Test of English as a Foreign Language (TOEFL) or for the International English Language Testing System (IELTS). A total score of 80 on the iBT TOEFL or 6.5 overall on the IELTS is required.
4. Two (2) letters of recommendation to support the applicant.
5. A statement of intent describing the applicant’s personal and professional goals in relation to (a) how the program will help the applicant reach these goals and (b) how the applicant’s goals are consistent with the program’s mission.
6. A current resume/curriculum vitae that includes, at a minimum, educational history (with relevant courses listed), employment background, and relevant/related experiences.

Prerequisites
One course in general linguistics or the successful completion of LIN 3010 or LIN 3013.

Professional Education: (9)
EDF 5481 Foundations of Educational Research 3
EDF 6211 Psychological Foundations of Education 3
EDF 6608 Social, Philosophical, and Historical Foundations of Education 3

Program Courses: (6)
FLE 6336 Methods of Teaching Modern Language 3
FLE 6938 Seminar in Second Language Testing 3

Teaching Field: Modern Language (15)
Grammar/Composition/Syntax (Specialize in target language when possible) 3
Culture/Civilization (Specialize in culture of target language when possible) 3

Linguistics (Specialize in target language when possible) 3
Literature in the target language 3
Applied Linguistics 3

Field Component: (3)
FLE 5908 Directed Study Foreign Language Education 1-3
or
FLE 6925 Special Topics in Second Language Education 3

Graduation Requirements: Students must meet all Department, College, Graduate School, and University graduation requirements. Students must have a 3.0 GPA to graduate from the program. No grades of “C-” or less received in courses that are part of a master’s program of study will be accepted toward graduation.

Thesis Option: Students may opt to extend the MS program (3 to 6 additional thesis credit hours) by request.

Master of Science in Foreign Language Education: TESOL Track
The Master of Science in Foreign Language: TESOL Track is designed to provide specialized training and content knowledge for teachers of all levels of foreign language, K through 12, adult education, and community college education. Student who are state certified teachers may include the five courses required for the Add-on ESOL Endorsement as part of the Master’s program.

Degree Program Hours: (36)

Admission Requirements
To be admitted into the Master’s degree program, a student must:
1. hold a bachelor’s degree from an accredited university or college;
2. have a ‘B’ (3.0) average or higher in all junior and senior year course work for the bachelor’s degree;
3. International graduate student applicants whose native language is not English are required to submit a score for the Test of English as a Foreign Language (TOEFL) or for the International English Language Testing System (IELTS). A total score of 80 on the iBT TOEFL or 6.5 overall on the IELTS is required.
4. Two (2) letters of recommendation to support the applicant.
5. A statement of intent describing the applicant’s personal and professional goals in relation to (a) how the program will help the applicant reach these goals and (b) how the applicant’s goals are consistent with the program’s mission.
6. A current resume/curriculum vitae that includes, at a minimum, educational history (with relevant courses listed), employment background, and relevant/related experiences.

Degree Requirements
The Master of Science degree consists of 36 semester hours. A maximum of six semester hours may be transferred into the program from outside the University, subject to the approval of the major advisor. A maximum of six semester hours of graduate level courses taken as an undergraduate may be included in the program.
provided they have not been used to satisfy degree requirements for an undergraduate program.

**Prerequisites**

Introduction to Linguistics is the prerequisite for the Linguistics courses in the program. It may be satisfied with LIN 3010, LIN 3013, or LIN 5018.

**Professional Education:** (9)
- EDF 5481 Foundations of Educational Research 3
- EDF 6608 Social, Philosophical, and Historical Foundations of Education 3
- EDF 6211 Psychological Foundations of Education 3

**Program Courses:** (18)
- TSL 5245 Developing ESOL Language and Literacy 3
- TSL 5371 Special Methods of TESOL 3
- TSL 5938 Principles of ESOL Testing 3
- TSL 6908 Field Component 3
- LIN 5211 Applied Phonetics 3
- LIN 5501 English Syntax 3

**Electives:** (9)

Students will choose nine semester hours according to their needs, with the approval of the advisor. To meet state ESOL requirements, certified teachers (K-12) need to include in their electives the following courses:
- TSL 5142 Curriculum Development in English as a Second Language 3
- EDG 5707 Cultural and Cross-Cultural Studies 3

**Graduation Requirements**

To receive the Master of Science degree in TESOL, the student must complete the required 36 semester hours of course work with a minimum 'B' or 3.0 grade point average and no grades of 'C-' or less received in courses that are part of a master’s program of study will be accepted toward graduation.

**Master of Science in Physical Education**

The Master of Science degree program in Physical Education is designed to provide advanced preparation for teachers of physical education. Applicants must have a 3.0 GPA for the last 60 hours of upper-division coursework, and include an autobiographical statement, their career goals and aspirations, and three letters of professional recommendation accompanying the application. Letters and any other supporting documents are to be sent to FIU Graduate Admission Office, 11200 SW 8th Street, PC 230, Miami, FL 33199.

**Degree Hours:** (33)

**Professional Education:** (9)
- EDF 5481 Analysis and Application of Educational Research 3
- EDF 6608 Sociological, Philosophical, and Historical Foundations of Education 3
- EDF 6211 Educational Psychology: Foundations and Application 3
- PET 5206 Youth Sport 3
- PET 5216 Sports Psychology 3
- PET 5052C Motor Learning 3
- PET 5256 Sociology of Sport 3
- PET 5426 Curriculum in Physical Education or
- PET 5436 Physical Education Curriculum 3
- PET 5948 Practicum in Physical Education 3
- PET 6597 Survey of Research in Physical Education and Sports 3

**Electives**

Please consult with an advisor for appropriate courses.

**Master of Science in Physical Education:**

**Sport Science Track**

The purpose of this track is to provide an option for persons seeking a master’s degree in an allied (non-teaching) career in physical education. This degree program would primarily be of interest to persons who do not presently hold Florida teaching certification credentials. This degree does not provide teacher certification for the degree recipients. Examples of potential student clientele would include all foreign and American college graduates with bachelor’s degrees in sports science, education, business, recreation, the social sciences, and other areas.

**Admission Requirements**

Students must hold a bachelor’s degree from an accredited university and have a 3.0 GPA for the last 60 hours of upper-division coursework, and include an autobiographical statement, their career goals and aspirations, and three letters of professional recommendation accompanying the application. The published university requirements for admission into the master’s degree programs must be met. Students who do not have an undergraduate major in physical education or a related area are responsible for meeting the prerequisites for any course listed in the program's curriculum. A program advisor must be consulted regarding completion of degree requirements.

**Degree Hours:** (33)

**Professional Education:** (9)
- EDF 5481 Foundations of Ed. Research 3
- PET 5216 Sports Psychology 3
- PET 5256 Sociology of Sport 3
- APK 5111 Advanced Exercise Physiology 3
- PET 6944 Supervised Field Experience 3
- PET 6597 Survey of Research in Physical Education and Sports 3
- PET 5206 Youth Sports 3
- PET 5368 Exercise, Diet and Weight Management 3
- PET 5693 Exercise Testing and Prescription of Special Populations 3

**Advisor approved electives:** (6)

Please consult with an advisor for appropriate courses.

**Master of Science in Reading Education**

The Master of Science in Reading Education develops competencies in diagnosis and remediation, teaching of reading K to 12, and administration and supervision of remedial, corrective, developmental, and content area reading programs. The graduate is competent to take leadership in improving reading instruction and preventing reading failure in schools or clinics.

**Requirements for admission to the Master's program in Reading Education are a Bachelor's Degree in Education and possess or be eligible for State of Florida professional teaching certificate, pass State of Florida Certification exams, and a 3.0 GPA or higher for the last 60 hours of upper-division coursework.**
This master's track is designed to meet the needs of students interested in reading assessment and instruction. This track leads to state certification.

Degree Program Hours: (36)

Required sequence of courses:
- RED 6314 Theory and Instruction in Literacy 3
- LAE 6319 Integrated Language Arts 3
- LAE 5415 Children's Literature 3
- EDF 6211 Psychological Foundations of Education 3
- RED 6336 Content Area Reading 3
- EDF 5481 Foundations of Educational Research 3
- RED 6546 Diagnosis of Reading Difficulties 3
- RED 6515 Programs of Remediation in Reading 3
- RED 6747 Research in Reading 3
- RED 6540 Reading Assessment 3
- RED 6805 Practicum in Reading 3
- RED 6247 Organization and Supervision in Reading 3

Entry to Program

Students are encouraged to meet all admission requirements prior to beginning the program; however, students may take a maximum of twelve (12) semester hours of course work applicable to the program prior to admission. Only courses with a grade of "B" or better taken prior to admission can be included.

Graduation Requirements

Students must have a 3.0 GPA to graduate from the program. No grades of "C-" or less received in courses that are part of a Master's program of study will be accepted toward graduation. All candidates must pass all sections of the Florida Teacher Certification Exam (FTCE), which includes the General Knowledge (GK), Professional Education and the Reading Subject Area Exams. All MS in Reading Education students must have ESOL Endorsement or have taken TSL 5361C prior to graduation. Also, students must demonstrate successful completion of the Florida Educator Accomplished Practices. Students must submit evidence of passing all sections of the FTCE exam prior to the end of the final week of the semester in which they are applying for graduation.

Thesis Option: Students may opt to extend the MS program (6 additional thesis credit hours) by request.

Master of Science Degree in Special Education

The major competencies in the Master's Degree program in Special Education are an extension and refinement of those developed by the student in the undergraduate special education curriculum.

Program applicants are required to submit an on-line application to the Office of Graduate Admissions, three letters of recommendation (at least one from academic sources and one from work or volunteer experience), and an autobiographical statement. Candidates are admitted by action of the Department's Graduate Admissions Committee. Criteria for program acceptance include undergraduate grade point average of 3.0 or higher for the last 60 hours of upper division coursework, work and volunteer experience, quality and source of letters of recommendation, and the candidate's career aspirations and goals. Applicants with less than a 3.0 GPA may be granted conditional admittance. These applicants must take 12 graduate credits and earn a 3.25 GPA to be considered for full admittance. Applicants who do not hold a valid Florida Teaching Certificate must complete all requirements for certification in addition to degree requirements. There are some variations in entrance requirements for in-field vs. out-of-field majors. See specifics under each description that follows. Letters and any other supporting documents are to be sent to FIU Graduate Admission Office, 11200 SW 8th Street, PC 230, Miami, FL 33199.

In-Field Majors

The following master's program of study is for the student who holds Florida certification in the field of special education. To qualify for admission to the program, students must have the following:
- An undergraduate GPA of 3.0 or higher in the last 60 credit hours of undergraduate study.
- A valid Florida teaching certificate in special education. If the applicant does not hold a valid Florida teaching certificate, all certification requirements must be met.
- Three letters of recommendation with at least one from an academic source and one from work or volunteer experiences.
- A well written autobiographical statement.

Degree Program Hours: (36)

Required Core For All Students: (24)
- EDF 5481 Foundations of Educational Research 3
- EEX 6848 Seminar in Special Education: Issues and Trends 3
- EEX 6535 Seminar in Special Education: Supervision and Leadership 3
- EEX 6912 Advanced Theory and Research in Special Education 3
- EEX 6765 Instructional Technology 3
- EEX 6228 Integration of Assessment, Curriculum and Instruction 3
- EEX 6796 Culturally and Linguistically Diverse Exceptional Learners 3
- EEX 6756 Working with Families of Students with Disabilities through Collaborative Approaches 3

Area of Concentration: (12)

Area of concentration may be selected from an endorsement such as Autism or Early Childhood Special Education, or other areas as planned and approved by student and advisor.

*EEX 6912 is a prerequisite for EEX 6228

Master of Science Degree in Special Education: Autism Endorsement Specialization – Fully Online

The online Master of Science in Special Education is completed in one year and consists of six accelerated eight-week terms. Students enroll in 4 courses (12 credits) each semester and complete two courses each 8-week term in the semester. A total of 36 credit hours (12
courses) is necessary to complete the program. The area of specialization for this degree is Autism Endorsement.

Degree Program Hours: (36)

Required Core Courses: (24)
- EEX 6912 Advanced Theory and Research in Special Education 3
- EEX 6796 Culturally and Linguistically Diverse Exceptional Learners 3
- EDF 5481 Foundations of Educational Research 3
- EEX 6765 Instructional Technology 3
- EEX 6228 Integration of Assessment, Curriculum and Instruction 3
- EEX 6848 Seminar in Special Education: Issues and Trends 3
- EEX 6535 Seminar in Special Education: Supervision and Leadership 3
- EEX 6756 Working with Families of Students with Disabilities through Collaborative Approaches 3

Autism Courses: (12)
- EEX 5210 Assessment and Strategies for Students with Autism Spectrum Disorders 3
- EEX 5767 Assistive and Instructional Technology and Alternate/Augmentative Systems for Students with Autism 3
- EEX 5619 Behavioral Management and Positive Behavioral Supports for Students with Autism Spectrum Disorders 3
- EEX 5095 Nature and Needs of Students with Autism Spectrum Disorders 3

Educational Specialist in Curriculum and Instruction

Degree Program Hours: (36)

The Educational Specialist Degree (Ed.S.) in Curriculum and Instruction is offered for teachers and other professional educators who are seeking an advanced graduate degree. The program introduces professional educators to the theoretical basis of curriculum and instruction and provides opportunities for students to connect theory with practice. The following areas of specialization are offered: Art Education, Early Childhood Education, Elementary Education, English Education, Instructional Leadership, Learning Technologies, Mathematics Education, Modern Language/Bilingual Education, Reading Education, Science Education, and Social Studies Education. The program requires a minimum of 36 semester hours beyond the masters. Ed.S. coursework may not necessarily be applicable to the doctoral program.

Admission Requirements

Admission to the specialist program will be based on the following criteria:
1. A master's degree in Education or related areas from an accredited institution.
2. A satisfactory grade point average (at least 3.25) in all prior graduate work and a satisfactory grade point average (at least 3.0) in the last 60 semester-hours of undergraduate work or

Official Graduate Record Examination (GRE) scores. In any case, the GRE score must be submitted.
3. Two (2) letters of recommendation to support the application. Letters and any other supporting documents are to be sent to FIU Graduate Admission Office, 11200 SW 8th Street, PC 230, Miami, FL 33199.
4. A statement of career goals in professional education consistent with the objectives of an advanced graduate program.
5. A personal interview with a committee of program faculty.
6. International graduate student applicants whose native language is not English are required to submit a score for the Test of English as a Foreign Language (TOEFL) or for the International English Language Testing System (IELTS). A total score of 80 on the IBT TOEFL or 6.5 overall on the IELTS is required.

Curriculum and Instruction Core: (12 Hours)
- EDG 6250 Curriculum Development 3
- EDG 6286 Curriculum Evaluation and Improvement in Urban School Systems 3
- EDG 7222 Curriculum: Theory and Research 3
- EDG 7362 Instruction: Theory and Research 3

Content Specialization: (12-18 Hours)
- Art Education
- Early Childhood Education
- Elementary Education
- English Education
- Instructional Leadership
- Learning Technologies
- Mathematics Education
- Modern Language/Bilingual Education
- Reading Education
- Science Education
- Social Studies Education

Research Core: (6 hours)
- EDF 6472 Research Methods in Education: Introduction to Data Analysis 3 (Prerequisite: EDF 5481)
- EDF 6475 Qualitative Foundations of Educational Research 3 (Prerequisite: EDF 5481)

Action Research Option: (3 Hours)
- EDF 6487 Field Research for Educators 3

Student identifies, designs, conducts, and defends a classroom action research project.

or

Thesis Option: (6 hours)
- EDG 6971 Student identifies, designs, conducts, and defends an original research in an appropriate area of curriculum and instruction. This option is strongly recommended for students who plan to enroll in a doctoral program in the future.

Transfer of Credit

Students may be allowed to apply up to six semester hours of course work taken at an accredited institution to the Specialist program requirements with the following stipulations:
- the student received a grade of 3.0 or better on a 4.0 scale
the course was relevant, as judged by the Admissions Committee
• the course is listed on an official transcript received by the Graduate Admissions Office
• the course will be no older than 6 years at the time of graduation

Doctor of Education in Curriculum and Instruction

Common Admission Requirements
The College of Education has common admission requirements for its Doctoral Programs regardless of the specialty sought. Applicants to the program must submit the following records and documents to the Graduate Admissions Office:
1. A completed Application for Graduate Admission with appropriate fees.
2. An official copy of the Graduate Record Exam (GRE) scores.
3. Official transcripts of all higher education institutions attended.

Additionally, applicants must submit the following to the Office of Research and Graduate Studies (OGS) in the College of Education.
1. Three letters of reference attesting to the applicant’s ability to succeed in doctoral study. Letters and any other supporting documents are to be sent to FIU Graduate Admission Office, 11200 SW 8th Street, PC 230, Miami, FL 33199.
2. A current resume/vitae.
3. A statement that sets forth the applicant’s career goals and relates these goals to the completion of the doctoral program.

No action will be taken on incomplete files. A file is considered incomplete if any of the above is missing. The application and all supporting documentation are reviewed by program faculty. The criteria applied in reviewing the applicant’s file are noted below. Exceptions to one or more of the stated criteria may be granted provided the applicant can provide compelling reasons and evidence.
1. A grade point average (GPA) of at least 3.0 (on a 4.0 scale) in upper level undergraduate work.
2. A 3.25 GPA in all graduate work attempted.
3. A master’s degree from an accredited institution.
4. Official GRE scores.
5. International graduate student applicants whose native language is not English are required to submit a score for the Test of English as a Foreign Language (TOEFL) or for the International English Language Testing System (ALTS). A total score of 80 on the iBT TOEFL or 6.5 overall on the ALTS is required.

Upon completion of the review of the file the applicant will be interviewed by program and departmental faculty which comprise a Faculty Admissions Committee. Final decisions are made by the Faculty Admissions Committee, the Dean of the College, and the Dean of the University Graduate School. As admission to programs is competitive, meeting minimum admission requirements does not assure admission into the program. A candidate for admission to the program will be judged not only on the basis of quantitative criteria, but also in relation to prior experience, especially as it relates to future career goals. Additional information is available from the Coordinator of Doctoral Programs or Program Faculty.

Curriculum and Instruction Core Courses: (15 credits Required)
EDG 7222 Curriculum: Theory and Research 3
EDG 7362 Instruction: Theory and Research 3
EDG 7923C Doctoral Seminar in Curriculum Studies 6
(3 credit hours per semester – Fall/Summer)

Select one from the following:
EDG 7665 Seminar in Curriculum 3
EDG 7667C Advanced Topics in Curriculum Studies 3
EDG 7692C Politics of Curriculum 3

Research Core Courses: (12 credits Required)
EDF 5481 - Foundations of Educational Research is a prerequisite for all Research Core courses.
EDF 6472 Research Methods in Education: Introduction to Data Analysis 3
EDF 6481 Educational Research Methodology 3
EDF 6486 Advanced Data Analysis in Quantitative Educational Research 3
EDF 6475 Qualitative Foundations of Educational Research 3

Students, in consultation with an Advisor, may take one or both of the following courses in addition to the above required courses:
EDF 7403 Data Analysis in Multivariate Educational Research 3
EDF 6476 Advanced Methods of Qualitative Educational Research 3

Professional Education Core Courses: (6 credits Required)
EDF 7937 Advanced Topics in Social Foundations of Education 3
EDP 7057 Educational Psychology Advanced Application 3

Specialization Area: (30)
The specialty areas include art education, early childhood education, elementary education, English education, international/intercultural development education, instructional leadership, learning technologies, mathematics education, modern language education/bilingual education, reading education, science education, and social studies education.

Cognate Area: (9)
The cognate area requires a minimum of 9 semester hours of course work in a single area of study related to the specialty. The courses should be chosen with regard to coherence and relevance to the anticipated substantive aspect of the dissertation and in consultation with the advisor. The cognate area may be taken in the College of Education, in the College of Arts and Sciences, or any other area offering courses relevant to the student’s program.

Candidacy Examinations and Advancement to Candidacy
The student must successfully pass candidacy examinations covering course work and also submit copies of a dissertation proposal, which has been
approved by the supervisory committee, to the Dean of the College and to the Dean of the University Graduate School.

Dissertation: (12)
The student is responsible for a minimum 12 semester hours of dissertation credits. The dissertation must be an original contribution to knowledge in an area of early childhood education, elementary education, secondary education, one of the K-12 areas, or in instructional leadership.

The student is expected to complete the dissertation within 5 years from the date of advancement to candidacy (i.e. successful completion of all written and oral examinations, favorable recommendations of the supervisory and guidance committee, and an approved dissertation proposal). A minimum of 3 credit hours of dissertation are taken each semester the dissertation is being prepared. Continuous enrollment in dissertation study (including Summer semester) is required.

EDG 7980  Ed.D.Dissertation 12

Curriculum and Instruction: Art Education (30)
Consult Program Advisor

Curriculum and Instruction: Early Childhood Education (30)
Consult Program Advisor

Curriculum and Instruction: Elementary Education (30)
Consult Program Advisor

Curriculum and Instruction: English Education (30)
Consult Program Advisor

Curriculum and Instruction: International and Intercultural Development Education
Consult Program Advisor

Curriculum and Instruction: Instructional Leadership (30)
Consult Program Advisor

Curriculum and Instruction: Learning Technologies (30)
Consult Program Advisor

Curriculum and Instruction: Mathematics Education (30)
Consult Program Advisor

Curriculum and Instruction: Modern Language / Bilingual Education (30)
Consult Program Advisor

Curriculum and Instruction: Reading Education (30)
Consult Program Advisor

Curriculum and Instruction: Science Education (30)
Consult Program Advisor

Curriculum and Instruction: Social Studies Education (30)
Consult Program Advisor

Doctor of Education in Exceptional Student Education

The Doctoral Program in Exceptional Student Education prepares leadership personnel capable of advancing educational opportunities available to students with disabilities and the professional who serves them. The program prepares professionals for a broad view of leadership, capable of assuming roles as administrator, curriculum specialist, researcher, advocate, in-service and preservice trainer and others. Graduates take on leadership positions in schools, state government, private non-profit agencies, professional organizations, and other institutions of higher education.

Admission Requirements

Applicants to the program must submit an on-line Application for the Graduate Admissions Office with appropriate fees (http://gradschool.fiu.edu). Applicants must:

• Hold a master’s degree from an accredited institution;
• Have a grade point average (GPA) of at least 3.0 (on a 4.0 scale) in upper level undergraduate work;
• Have a 3.25 GPA in all graduate work attempted;
• International graduate student applicants whose native language is not English are required to submit a score for the Test of English as a Foreign Language (TOEFL) or for the International English Language Testing System (IELTS). A total score of 80 on the iBT TOEFL or overall 6.5 on the IELTS is required.

In addition, applicants must submit:

• Official copy of Graduate Record Exam (GRE) scores;
• Official transcripts of all higher education institutions attended.
• Three letters of reference attesting to the applicant’s ability to succeed in doctoral study; and
• A current resume/vitae.

It is recommended that interested applicants contact a special education advisor at (305) 348-2003 to discuss the program in detail. No action will be taken on incomplete files. A file is considered incomplete if any of the above is missing.

The application and all supporting documentation are reviewed by program faculty. An on-site interview by program and departmental faculty which comprise a Faculty Admissions Committee will be scheduled for viable candidates. Final admission recommendations are made by the Faculty Admissions Committee and the Dean of the College.

As admission to programs is competitive, meeting minimum admission requirements does not assure admission into the program. A candidate for admission to the program will be judged not only on the basis of quantitative criteria (listed elsewhere in this catalog) but also in relation to prior experience, especially as it relates to future career goals. Exceptions to one or more of the
The Department of Teaching and Learning offers the Ph.D. Program in Curriculum and Instruction. The program is offered to prospective students who will become scholars engaged in studies within broad historical, social, political, economic, linguistic, and intellectual contexts in the country and abroad. The program seeks to produce research scholars who are well-equipped for empirical and systematic examinations of educational theories, strategies, principles, and practices related to the content and organization of curriculum and to the process and outcome of instruction. The Ph.D. program in Curriculum and Instruction enables highly select students of demonstrated ability, industry, and motivation to serve as apprentices to mentors who are established scholars in their fields of study. Under the supervision of a faculty mentor, the students engage in a period of extensive study and investigation that culminates in the demonstrations of expertise, creativity and originality by means of independent research.

**Degree Requirements**

The Ed.D. in Exceptional Student Education requires a minimum 75 semester hours beyond the master's degree.

**Professional Studies Core: (6)**

- EDP 7057 Educational Psychology: Advanced Applications 3
- EDF 7937 Advanced Topics in Social Foundations of Education 3

**Special Education Core: (18-24)**

- EEX 7795 Advanced Issues in the Education of Culturally and Linguistically Diverse Students with Exceptionalities 3
- EEX 7933 Advanced Topics in Special Education (repeated 3 times) 9
- EEX 6863 Supervised Field Experience in Special Education 3-9
- EEX 7977 Research and Evaluation in Special Education 3

**Research Methods and Statistics: (18)**

- EDF 6472 Research Methods in Education: Introduction to Data Analysis 3
- EDF 6486 Advanced Data Analysis in Quantitative Educational Research 3
- EDP 7058 Behavioral Intervention Research and Evaluation in Education 3
- EDF 7403C Data Analysis in Multivariate Educational Research 3
- EDF 6475 Qualitative Foundations of Educational Research 3
- EDF 6476 Advanced Methods of Qualitative Educational Research 3

**Cognate or Minor Area of Study: (9-12)**

Students design a cognate or minor area with their Program of Study Committee.

**Dissertation Study: (24)**

- EEX 7980 Ed.D. Dissertation 24

**Other Requirements**


**Ph.D. Program in Curriculum and Instruction**

The Department of Teaching and Learning offers the Ph.D. program in Curriculum and Instruction with concentration in Language, Literacy, and Culture; Science, Mathematics, and Learning Technologies; and Curriculum and Instruction. The program is offered to prospective students who will become scholars engaged in studies within broad historical, social, political, economic, linguistic, and intellectual contexts in the country and abroad. The program seeks to produce research scholars who are well-equipped for empirical and systematic examinations of educational theories, strategies, principles, and practices related to the content and organization of curriculum and to the process and outcome of instruction. The Ph.D. program in Curriculum and Instruction enables highly select students of demonstrated ability, industry, and motivation to serve as apprentices to mentors who are established scholars in their fields of study. Under the supervision of a faculty mentor, the students engage in a period of extensive study and investigation that culminates in the demonstrations of expertise, creativity and originality by means of independent research.

**Admission Requirements**

Minimum admissions requirements for the Ph.D. Program in Curriculum and Instruction are as follows:

1. A Bachelor's Degree from an accredited institution in an appropriate area with a 3.0 GPA on a 4.0 scale on the last 60 hours of undergraduate work or a 3.25 GPA in a completed Master's Degree from an accredited program.
2. Official GRE scores.
3. International graduate student applicants whose native language is not English are required to submit a score for the Test of English as a Foreign Language (TOEFL) or for the International English Language Testing System (IELTS). A total score of 80 on the iBT TOEFL or 6.5 overall on the IELTS is required.
4. Three letters of recommendation addressing the applicant's academic abilities. Letters and any other supporting documents are to be sent to FIU Graduate Admission Office, 11200 SW 8th Street, PC 230, Miami, FL 33199.
5. A letter of intent.
6. An admissions interview by the Curriculum & Instruction Admissions Committee.

The Curriculum & Instruction Admissions Committee will review, interview, and make admissions recommendation for each applicant. The GPA and GRE scores stated above are minimum requirements. Meeting the minimum requirements does not guarantee admission. The Ph.D. Degree requires 93 semester hours beyond the bachelor's degree. Students with a master’s degree directly related to the area of concentration must complete a minimum of 45 semester hours at FIU beyond their master’s degree. At least 36 semester hours in the approved program of study, excluding the 24 hours of Independent Research and Dissertation, must be taken at FIU. Up to 9 semester hours of graduate credit may be transferred into the doctoral program. Each candidate must also register for a minimum of 24 semester hours of credit in independent research and dissertation directed by a qualified graduate faculty dissertation chair in the appropriate area of Language, Literacy and Culture, Science, Mathematics, and Learning Technologies, and Curriculum and Instruction.

The Ph.D. program of study includes seven required components:

1. Doctoral Core (15 semester hours)
2. Research Inquiry and Analysis (18 semester hours)
3. Cognate Study (9 semester hours)
4. Doctoral Internship (6 semester hours)
5. Major Area of Concentration (21 semester hours)
6. Independent Research and Dissertation (24 semester hours minimum)

1. The Doctoral Core includes a coherent sequence of courses and experiences required of all students. The
Graduate Catalog 2015-2016

Doctoral Core is divided into two areas: Curriculum & Instruction Core, Professional Education Core.

**C & I Core: (15 semester hours)**

EDG 7222 Curriculum: Theory and Research 3
EDG 7362 Instruction: Theory and Research 3

**Choose from one of the following:**

EDG 7665 Seminar in Curriculum 3
EDG 7667 Advanced Topics in Curriculum 3
EDG 7692 Politics of Curriculum 3
EDG 7923 Doctoral Seminar in Curriculum (can be repeated depending on topic) 3
EDG 7xxx Curriculum and Instruction in the Global Setting 3

**Professional Education Core: (6 semester hours)**

EDF 7937 Advanced Topics in the Social Foundations of Education 3
EDP 7057 Educational Psychology: Advanced Applications 3

2. Research Inquiry and Analysis: (18 semester hours)

At least 18 semester hours of advanced course work to include specialization in analytic methods related to dissertation and the comprehensive exam component on research.

EDF 5481 Foundations of Educational Research 3
EDF 6472 Introduction to Data Analysis in Educational Research 3
EDF 6481 Educational Research Methodology 3
EDF 6486 Advanced Data Analysis in Quantitative Educational Research 3
EDF 6475 Qualitative Foundations of Educational Research 3
EDF 7403 Data Analysis in Multivariate Educational Research 3
EDF 6476 Advanced Methods of Qualitative Educational Research 3

3. Cognate Study: (9 Semester Hours)

The cognate area of study broadens the students' understanding of the conceptual base and issues underlying their declared major area of concentration. Courses in the cognate area are drawn from outside of the Department or from outside of the College and have a clear link to the anticipated dissertation efforts.

**Specialization I: Language, Literacy, and Culture**

FLE 6938 Seminar in Second Language Testing 3
FLE 7938 Doctoral Seminar in Multicultural Education 3
LAE 6935 Seminar in English Education 3
RED 7938 Doctoral Seminar in Reading Education 3
SSE 6394 Social Studies in Other Nations 3
SSE 6795 Seminar: Research in Social Studies 3
LAE 6925 Composition Research: Issues and Trends 3

**Specialization II: Mathematics, Science, and Learning Technologies**

EME 6507 Advanced Interactive Multimedia 3
EME 7936 Special Topics in Learning Technologies 3
EME 7938 Advanced Seminar in Learning Technologies 3
EME 7457 Teaching and Learning at a Distance 3
MAE 7165 Curriculum Development in Mathematics Education 3

**Specialization III: Curriculum and Instruction**

EDG 6250 General Curriculum Development 3
EDG 6286 Curriculum Evaluation 3
EDG 6920 Colloquium in Curriculum and Instruction 3
ESE 6215 Secondary School Curriculum 3

**Candidacy Examination and Admission to Candidacy**

To be admitted to candidacy, a student must complete all coursework. The student must also successfully pass the candidacy examinations covering course work approved by the Program of Study Committee. Candidates then submit copies of a dissertation proposal, which has been approved by the research committee, to the Dean of the College of Education and to the Dean of the University Graduate School.

6. Independent Research and Dissertation: (24 Semester Hours Minimum)

The dissertation will demonstrate the student's ability to conduct research of substantial rigor and contribute to advancing the knowledge base and scholarship in an area within the field of Curriculum & Instruction

**Add-on Endorsement in ESOL**

Individuals who currently hold or are working toward teacher certification in Elementary, English, Foreign Language Education, or Special Education, may be eligible to receive the Add-on Endorsement in ESOL by completing the following set of courses:
Required Courses
EDG 5707  Cultural and Cross-Cultural Studies  3
TSL 5142  Curriculum Development in ESOL  3
TSL 5245  Developing ESOL Language and Literacy  3
TSL 5371  Special Methods of TESOL  3
TSL 5938  Principles of ESOL Testing  3

Graduate Certificate Program in Grades K-5 Mathematics Teaching
The K-5 Mathematics Teaching Certificate Program enables teachers to extend their competence in teaching mathematics in elementary school. It will enhance their understanding of mathematics content, problem solving and reasoning and their knowledge of ways of teaching mathematics to students from diverse and minority backgrounds. Completion of the certificate will better prepare individuals for teaching in elementary schools that have departmentalization by subjects in elementary grades. Entrance requirements are Bachelor’s degree and a 3.0 GPA in the last two years of college work. This certificate program is open to non-degree-seeking students only.

Required Courses
MAE 5348  Numbers and Operations for Teaching in Grades K-5  3
MAE 6357  Elements of Algebra and Data Analysis for Teaching in Grades K-5  3
MAE 6358  Elements of Geometry and Measurement for Teaching in Grades K-5  3
MAE 6318  Instruction in Elementary Mathematics  3
MAE 5945  Practicum: Mathematics Education  3

With the approval of the Graduate Program Director, up to 12 graduate credits taken in the graduate certificate may be transferred into a master's degree program. If a certificate student is admitted to a master's degree program before the student has completed more than 12 graduate credits, all the credits earned in a graduate certificate program may be used toward fulfilling the requirements of the master's degree program.

Graduate Certificate Program in Grades 6-8 Mathematics Teaching
The 6-8 Mathematics Teaching Certificate Program enables teachers to extend their competence in teaching middle grades mathematics. It will enhance their understanding of mathematics content, problem solving and reasoning and their knowledge of ways of teaching mathematics to middle grades students from diverse and minority backgrounds. Completion of the certificate will better prepare individuals for teaching mathematics in middle schools. Entrance requirements are Bachelor’s degree and a 3.0 GPA in the last two years of college work. This certificate program is open to non-degree-seeking students only.

Required Courses
MAE 5382  Number Systems, Rational Numbers, and Operations for Teaching in Secondary School  3
MAE 6337  Algebra, Statistics and Probability for Teaching in Secondary School  3
MAE 6381  Proportional Reasoning, Geometry and Measurement for Teaching in Secondary School  3
MAE 6336  Teaching Mathematics in the Secondary School  3
MAE 5945  Practicum: Mathematics Education  3

Graduate Certificate Program in Grades K-5 Science Teaching
The K-5 Science Teaching Certificate Program enables teachers to extend their competence in teaching science in elementary school. It will enhance their understanding of science content, inquiry and problem solving and their knowledge of science curriculum and ways of teaching mathematics to students from diverse and minority backgrounds. Additionally, completion of the certificate will better prepare individuals for teaching in elementary schools that are departmentalized by subjects in elementary grades. Entrance requirements are Bachelor’s degree and a 3.0 GPA in the last two years of college work. This certificate program is open to non-degree-seeking students only.

Required Courses
SCE 6315  Instruction in Elementary Science  3
SCE 6931  Special Topics in Science Education  3
SCE 5314  Teaching and Learning in Elementary Science Education  3
SCE 6317  Teaching and Learning Interdisciplinary Approaches in Elementary Science Education  3
SCE 5905  Directed Study in Science Education  3

With the approval of the Graduate Program Director, up to 12 graduate credits taken in the graduate certificate may be transferred into a master's degree program. If a certificate student is admitted to a master's degree program before the student has completed more than 12 graduate credits, all the credits earned in a graduate certificate program may be used toward fulfilling the requirements of the master's degree program.

Graduate Certificate Program in Grades 6-8 Science Teaching
The 6-8 Science Teaching Certificate Program enables teachers to extend their competence in teaching middle grades science. It will enhance their understanding of science content, inquiry and problem solving and their knowledge of science curriculum and ways of teaching science to middle grades students from diverse and minority backgrounds. Completion of the certificate will better prepare individuals for teaching science in middle schools. Entrance requirements are Bachelor’s degree and a 3.0 GPA in the last two years of college work. This
A certificate program is open to non-degree-seeking students only.

**Required Courses**

- **SCE 6325** Instruction in Middle School Science 3
- **SCE 6925** Workshop in Science Education 3
- **SCE 6926** Workshop in Science Education 3
- **SCE 5937** Special Topics in Grades 6-8 Science Education 3
- **SCE 5905** Directed Study in Science Education 3

With the approval of the Graduate Program Director, up to 12 graduate credits taken in the graduate certificate may be transferred into a master’s degree program. If a certificate student is admitted to a master’s degree program before the student has completed more than 12 graduate credits, all the credits earned in a graduate certificate program may be used toward fulfilling the requirements of the master’s degree program.

**Professional Graduate Certificate in Spanish/English Bilingual Education**

Entrance requirements are Bachelor’s degree and a 3.0 GPA in the 60 credit hours of upper-division coursework or graduate coursework. This certificate program is open to non-degree-seeking students only.

**Required Courses (15 credits)**

**Core Courses (9 credits)**

- **FLE 5895** Bilingual Education Teaching Methodologies 3
- **FLE 6938** Seminar in Second Language Testing 3
- **EDG 5707** Cultural and Cross-Cultural Studies 3

**Teaching Methods (3 credits)**

**Students choose one of the following courses:**

- **FLE 6336** Methods of Teaching Modern Language 3
- **FOL 5943** Foreign Language Teaching Methodology 3
- **TSL 5142** Curriculum Development in English as a Second Language 3
- **TSL 6348** Task-Based Language Teaching 3

**Studies in Bilingualism (3 credits)**

**Students choose one of the following courses:**

- **LIN 5625** Studies in Bilingualism 3
- **SPN 5736** Spanish as a Heritage Language: Acquisition and Development 3
- **FLE 6925** Special Topics in Second Language Education 1-3

**Graduate Certificate Program in TESOL (Teaching English to Speakers of Other Languages)**

The TESOL Certificate Program enables teachers to extend their competence in teaching foreign languages, particularly English. Completion of the TESOL Certificate Program qualifies the candidate to receive a Florida State Endorsement in Teaching English to non-Speakers, grades K-12. The program also assists prospective teachers to receive a professional credential that may assist them in successful employment in other countries. Entrance requirements are Bachelor’s degree and a 3.0 GPA in the last two years of college work. This certificate program is open to non-degree-seeking students only.

**Required Courses**

- **TSL 5371** Special Methods of TESOL 3
- **TSL 5245** Developing ESOL Language and Literacy 3
- **TSL 5142** Curriculum Development in ESOL 3
- **TSL 5938** Principles of ESOL Testing 3
- **EDG 5707** Cross-cultural Studies 3

Additionally, one other course may be chosen from the following list:

- **LIN 5501** English Syntax
- **LIN 5211** Applied Phonetics
- **LIN 6085** Research Methods in Experimental Linguistics
- **LIN 5107** History of English Grammar
- **LIN 5431** General Morphology/Syntax
- **LIN 5574** Languages of the World
- **LIN 5601** Sociolinguistics
- **LIN 5625** Studies in Bilingualism
- **LIN 5715** Language Acquisition
- **LIN 5733** Teaching Accent Reduction
- **LIN 5825** Pragmatics
- **LIN 6323** General Phonology
- **LIN 6562** Discourse Analysis
- **LIN 6805** Semantics
- **RED 5925** Instructional Thinking Strategies
- **EEX 6051** Educational Needs of Students with Exceptionalities
- **EDF 5255** Secondary Classroom Management
- **RED 6336** Reading in the Content Area
- **LAE 5426** Multicultural Perspectives in Teaching Language and Literature for Young Adolescents
- **TSL 6908** Field Component

**Other Program**

**Education Minor**

Students with arts and sciences majors in the following areas, Art, English, Math, Modern Languages, Music, Sciences, and Social Studies can also complete a 18-21 credit minor in education or an alternative certification program that follows the curriculum below:

**Education Core: (15 credits)**

- **EDF 4604** Cultural and Social Foundations of Education 3
- **EDP 3004/5053** Educational Psychology 3
- **EDG 3321/5414** Instructional Decision Making 3
- **ESE 4343C/5344** Secondary Classroom Management 3
- **RED 5147** Developmental Reading 3

**Special Methods: Subject Area Specific (3-6 credits)**

- **English 6-12/ATESOL**
  - **LAE 4335/5336C** Special Teaching Lab: English 3

- **Mathematics**
  - **MAE 4330** Teaching and Learning Secondary Mathematics 3

- **Physics/Chemistry/Biology**
  - **SCE 4330** Secondary Science Teaching Methods 3
# Social Studies
- SSE 4384: Special Teaching Lab: Social Studies (3 credits)

# French/Spanish
- FLE 4314/5142: Methods of Teaching Modern Languages in Elementary School (3 credits)
- FLE 4375/5371: Methods of Teaching Modern Languages at the Secondary Level (3 credits)

# Art Education
- ARE 4316: Special Teaching Lab: Art K-5 (3 credits)
- ARE 4341: Special Teaching Lab: Art 6-12 (3 credits)

# Music Education
- MUE 3340: Elementary Music Methods (3 credits)
- MUE 4341: Secondary Music Methods (3 credits)