

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.

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

Master of Science Programs

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
- Teaching in Challenging Contexts (TiCC)

Kinesiology and Exercise Science

Reading/Literacy Education (K-12)

Special Education

Educational Specialist Program

Teaching and Learning

Specializations in:

- Curriculum, Cultural and Social Studies
- Elementary Education and Early Childhood Education
- Kinesiology
- Language, Literacy, Literature, and Culture
- Science, Technology, Engineering, and Mathematics Education (STEM)
- Special Education

Doctor of Philosophy in Teaching and Learning

Specializations in:

- Curriculum, Cultural, and Social Studies
- Elementary Education and Early Childhood Education
- Kinesiology
- Language, Literacy, Literature, and Culture
- Science, Technology, Engineering, and Mathematics Education (STEM)
- Special Education

Graduate Certificate Programs

Grades K-5 Mathematics Teaching
Grades 6-12 Mathematics Teaching
Professional Spanish/English Bilingual Education
TESOL

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

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 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)

*The MSCI Program is a non- initial teacher preparation program and does not lead to teaching certification.

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. A bachelor's degree Education or an appropriate area from an accredited institution.
2. Applicants with a non-Education degree must demonstrate teaching experience.
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 Graduate Admissions Office at Florida International University, PO Box 659004, Miami, Florida, 33265 to complete the application for admissions.
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:

1. The student received a grade of 3.0 or better on a 4.0 scale.
2. The course was relevant, as judged by the Admissions Committee.
3. The course is listed on an official transcript received by the Graduate Admissions Office.
4. The course will be no older than 6 years at the time of graduation with a master's degree.
5. 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 <https://admissions.fiu.edu/how-to-apply/graduate-applicant/index.html>. 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 Graduate Admissions Office at Florida International University, PO Box 659004, Miami, Florida, 33265 to complete the application for admissions.

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)

EDG 6250	Curriculum Development	3
EDG 6627	Seminar: Trends and Issues in Curriculum and Instruction	3

Special Methods of Teaching

Choose one of the following:

EDE 5267	Education of the Child in Urban Society (Required for Elementary, Special Education, and Curriculum Development Specializations)	3
EME 6405	Computers in the Classrooms	3
FLE 6336	Methods of Teaching Modern Language	3
LAE 6339	Teaching English in the Secondary School	3
MAE 6336	Teaching Mathematics in the Secondary School	3
PET 5716	Analysis and Observation of Teaching in Phys. Ed.	3
SCE 6366	Teaching Science in the Secondary School	3
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
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Research Core: (6 semester hours)

EDF 5481	Foundations of Educational Research	3
EDF 6487	Action Research for Educators	3

Content Specialization (18 semester hours)

Choose from one of the following specializations:

1. Curriculum Development: The MSCI in Curriculum Development track seeks to familiarize graduate students with the knowledge and skills to design, deliver, and assess lessons/units and programs. The MSCI Curriculum Development track will expand students' knowledge in curriculum design theories and frameworks, identifying learning and teaching needs, understanding of current issues impacting our classrooms, and promoting teaching and learning research-based practices. This program is designed to benefit educators and/or administrators.

2. Elementary Education: The MSCI Elementary Education track seeks to expand teachers' knowledge base and enhance teaching methodologies in the K-6 setting.
3. English Education: The MSCI English Education track allows teachers and future teachers to gain knowledge of a more varied English content; implement curriculum theories and pedagogical concepts; and to write for different audiences and purposes which includes conducting research about students, teachers, and the English Language Arts (ELA) profession.
4. Learning Technologies: The MSCI Learning Technologies track seeks to teach teachers how to use technologies to facilitate teaching and learning. Teachers will also learn to create digital artifacts that they can use in their classrooms and how to teach programming and computational thinking to their K-12 students.
5. Mathematics Education: The MSCI Mathematics Education track is designed for current and future K-16 teachers of mathematics, (non-teacher certification track). This track focuses on building the understanding needed to teach mathematics effectively and on developing mathematics content knowledge for teaching. The MSCI in Mathematics Education supports continuous growth and development of K-16 teachers as reflective practitioners for teaching mathematics. Additionally, this track helps K-16 teachers develop knowledge and skills appropriate for mentoring, collaborating with other teachers, and providing professional development for continuous growth in teaching mathematics.
6. Modern Language Education: The MSCI Modern Language track is designed as a second inquiry into language education. It is particularly designed for professionals who have already completed basic academic inquiry into language and linguistics, foreign language instruction, assessment, and cross-cultural study. This track is designed to extend these inquiries with particular emphasis.
7. Science Education: The MSCI Science Education track is suitable for current K-12 teachers and other educators interested in science education. The track seeks to further develop individuals' knowledge of curriculum, theory, and practices related to teaching science.
8. Social Studies Education: The MSCI Social Studies Education track is designed for individuals that teach in the fields of Social Studies (e.g., History, Geography, the Humanities and Social Sciences) at the middle or secondary levels. In addition to the core education courses, students will take content specific areas including interdisciplinary studies across the university. Individuals may also gain the content knowledge applicable to teaching dual enrollment courses in these content areas.
9. Special Education: The MSCI Special Education track provides students the opportunity to learn about special education practices to enhance their classroom teaching experience. As part of the overall degree program, students take a variety of practical special education courses.
10. Physical Education: The MSCI Physical Education track seeks to advance the professional repertoire of

students who presently hold entry-level undergraduate degrees and certifications in the areas of teaching, coaching and other related areas. This program is aligned with the advanced professional standards outlined by the National Association for Sport and Physical Education (NASPE). The courses and activities of this track augment the teaching and coaching practices of practitioners' while improving their capacity to conduct and disseminate best-practice research and, improve professional partnerships locally, nationally, and globally.

Content Specializations

1. Elementary Education (18 semester hours)

Select 4 graduate courses (with Advisor approval) from the following areas in the School of Education and Human Development (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, Sciences and Education:

- 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)

EME 6408	Microcomputers as Teaching Tools	3
EME 5602	Multimedia in the Classroom	3
EME 6412	Educational Courseware Evaluation and Development	3
IDC 5013	Computer Science Education for Middle School Teachers	3
IDC 5014	Computer Science Education for High School Teachers	3
EME 6905	Directed Study: Computer Education	3

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	Sport and Exercise 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 Kinesiology	3
PET 6597	Research in Kinesiology	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 Learning 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	Fundamentals of Learning	3
EDE 6205	Curriculum Design in Childhood Education	3
ESE 6215	Secondary School Curriculum	3
EDG 6286	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: (30)

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. Letters and any other supporting documents are to be sent to Graduate Admissions Office at Florida International University, PO Box 659004, Miami, Florida, 33265 to complete the application for admissions.
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 12 hours of foundation courses in curriculum and instruction and in methods/statistics. Students take an additional 15 hours within early childhood education/development, and 3 hours of education-related electives.

A. General Courses: (12 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 (EEC 5926) course.

2. Research Methods & Data Analysis (3 hours)

EDF 5481	Foundations Educational Research	3
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B. Early Childhood Education/Development (15 hours)

1. Required Courses (9 hours)

EEC 6678	Research in Early Childhood Education	3
EEC 6705	Typical and Atypical Child Development	3
EEC 6277	Thinking and Learning in the 21st Century	3

2. Early Education Elective Courses (6 hours)

Select two (2) 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 Foreign Language Education: TiCC Track

The Master of Science in Foreign Language TiCC Track is designed to provide specialized training and content knowledge for teachers of second or additional languages, from primary to tertiary stages of education, in challenging domestic and international contexts.

Degree Program Hours: (30)

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 30 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.

Program Courses

FLE 6336	Methods of Teaching Modern Language	3
FLE 6938	Seminar in Second Language Testing	3
TSL 5245	Developing ESOL Language and Literacy	3
TSL 6908	Field Component	
TSL 5142	Curriculum Development	3
TSL 6350	Troublesome English	3
EDG 5707	Cross-cultural Studies	3
TSL 5086	Bilingualism and Multilingualism in Language Education	3
FLE 6376	Teaching in Challenging and Remote Circumstances	3
TSL 5253	Love and Language	3

Graduation Requirements

To receive the Master of Science degree in Foreign Language Education, the student must complete the required 30 semester hours of course work with a minimum 'B' or 3.0 grade point average. Furthermore, no more than 2 grades of C or C+ and no grades of "C-" or less received

Master of Science in Kinesiology and Exercise Science

This degree prepares graduates to pursue the fields of exercise science, movement behavior, strength and conditioning, mental performance, research, coaching elite athletes in sports and health and human performance. This degree does not provide teacher certification for the degree recipients. Examples of potential student clientele would include all international and domestic college graduates with bachelor's degrees in sports science, education, sport industry, 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 a personal statement addressing 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 a movement science related area, must hold a certification accredited by the National Commission for Certifying Agencies (NCAA; e.g., Certified Personal Training, Strength and Conditioning Certification), other certifications may be approved by program advisor. Students who do not hold appropriate certification or degree are responsible for meeting the prerequisites for any course listed in the program's curriculum, which are listed below. Advisors must approve pre-requisite course competency substitutions.

APK 3110	Exercise Physiology	3
PEP 4102	Applied Concepts of Fitness and Health	3

PET 3310	Kinesiology	3
PET 3325L	Kinetic Anatomy	3
PET 4622	Athletic Injuries	3

Degree Requirement: (30 credit hours)

A program advisor must be consulted regarding completion of degree requirements.

Core Requirements (12 credit hours)

PET 5216	Sport and Exercise Psychology	3
PET 5052C	Motor Learning for Sport Performance	3
APK 5111	Advanced Exercise Physiology	3
PET 6597	Research in Kinesiology	3

Kinesiology Courses (select 12 credit hours)

PET 5256	Sociology of Sport	3
PET 6944	Supervised Field Experience	3
PET 5206	Youth Sports	3
PET 5368	Exercise, Diet and Weight Management	3
PET 5693	Athletic Performance Assessment and Exercise Prescription	3
PET 5391C	Comprehensive Conditioning of Elite Athletes	3
PEP 5115	Strength and Conditioning Techniques for Human Performance	3
APK 6090	Professional and Ethical Issues in Kinesiology	3
APK 6411	Exercise Psychophysiology and Neuroscience	3
APK 6713	Applied Sport and Performance Psychology	3
PET 6932	Seminar in Kinesiology	3
PET 5936	Special Topics in Kinesiology & Exercise Science	3

Electives: (6)

Potential electives include additional kinesiology courses and EDF research courses. Please consult with an advisor for appropriate courses.

Master of Science in Reading/Literacy Education

The Master of Science in Reading/Literacy 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/Literacy 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/Literacy 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

Graduate Admissions Office at Florida International University, PO Box 659004, Miami, Florida, 33265 to complete the application for admissions.

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:

1. An undergraduate GPA of 3.0 or higher in the last 60 credit hours of undergraduate study.
2. 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.
3. Three letters of recommendation with at least one from an academic source and one from work or volunteer experiences.
4. 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 Teaching and Learning

Degree Program Hours: (60)

The Educational Specialist Degree (Ed.S.) in Teaching and Learning 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: Curriculum, Cultural and Social Studies; Elementary Education and Early Childhood Education; Kinesiology; Language, Literacy, Literature, and Culture; Science, Technology, Engineering, and Mathematics (STEM) Education; and Special Education. The program requires a minimum of 36 semester hours beyond the masters or 60 semester hours past the bachelors.

Admission Requirements

Minimum admissions requirements for the Ed.S Program in Teaching and Learning 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 Graduate Admissions Office at Florida International University, PO Box 659004, Miami,

Florida, 33265 to complete the application for admissions.

5. A letter of intent.
6. An admissions interview by the Teaching and Learning Admissions Committee.

The Teaching and Learning 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 Ed.S Degree requires 60 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 36 semester hours at FIU beyond their master's degree.

A maximum of 24 credits from a completed master's degree in Teaching and Learning or related field from an accredited institution may be applied toward the Ed.S. with advisor's approval.

The Ed.S. program of study includes three required components (to include a maximum of 24 credits from a completed master's degree):

1. Teaching and Learning Core (9 semester hours)
2. Research Inquiry and Analysis (12 semester hours)
3. Major Area of Specialization (39 semester hours)

The Teaching and Learning Core includes a coherent sequence of courses and experiences required of all students.

Teaching and Learning Core: (9 semester hours)

EDG 7923C	Doctoral Seminar in Curriculum Studies	3
EDG 7362	Instruction: Theory and Research	3
EDG 7692	Theory, Organization, and Policy in Teaching and Learning	3

2. Research Inquiry and Analysis: (12 semester hours)

(Select **at least 12** semester hours with approval of Major Professor/Committee on appropriate course selection)

At least 12 semester hours of advanced coursework to include at least one quantitative and one qualitative methods course related to the comprehensive exam component on research.

3. Major Area of Specialization: (No less than 39 semester hours)

(Select **at least 39** semester hours with approval of Major Professor/Committee on appropriate course selection). All courses must be at the 5000 level or higher.

Ph.D. Program in Teaching and Learning

The Department of Teaching and Learning offers the Ph.D. program in Teaching and Learning with concentration in Curriculum, Cultural and Social Studies; Elementary Education and Early Childhood Education; Kinesiology; Language, Literacy, and Culture; Science, Technology, Engineering, and Mathematics (STEM) Education; and Special Education. 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 teaching and learning and to the process and outcome of instruction. The Ph.D. program in Teaching and Learning 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 Teaching and Learning 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 Graduate Admissions Office at Florida International University, PO Box 659004, Miami, Florida, 33265 to complete the application for admissions.
5. A letter of intent.
6. An admissions interview by the Teaching and Learning Admissions Committee.

The Teaching and Learning 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 75 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 51 semester hours at FIU beyond their master's degree; this includes 15 hours of Dissertation credits, directed by a qualified graduate faculty dissertation chair in the appropriate area of: Curriculum, Cultural, and Social Studies; Elementary Education and Early Childhood Education; Kinesiology; Language, Literature, Literacy, and Culture, Science, Technology, Engineering, and Mathematics (STEM) Education; or Special Education.

A maximum of 24 credits from a completed Master's degree in Teaching and Learning or related field from an accredited institution may be applied toward the Ph.D. with advisor's approval.

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

1. Teaching and Learning Core (9 semester hours)
2. Research Inquiry and Analysis (12 semester hours)
3. Major Area of Specialization (39 semester hours)

4. Independent Research and Dissertation (15 semester hours minimum)

1. The Teaching and Learning Core includes a coherent sequence of courses and experiences required of all students.

Teaching and Learning Core: (9 semester hours)

EDG 7923C	Doctoral Seminar in Curriculum Studies	3
EDG 7362	Instruction: Theory and Research	3
EDG 7692	Theory, Organization, and Policy in Teaching and Learning	3

2. Research Inquiry and Analysis: (12 semester hours)

(Select at least 12 semester hours with approval of Major Professor/Committee on appropriate course selection)

At least 12 semester hours of advanced coursework to include at least one quantitative and one qualitative methods course related to dissertation and the comprehensive exam component on research.

3. Major Area of Specialization: (39 semester hours)

(Select at least 39 semester hours with approval of Major Professor/Committee on appropriate course selection.) All courses must be at the 5000 or higher level.

- Curriculum, Cultural, and Social Studies
- Early Childhood Education and Elementary Education
- Kinesiology
- Language, Literature, Literacy, and Culture
- Science, Technology, Engineering, and Mathematics (STEM) Education
- Special Education

4. Independent Research and Dissertation: (15 Semester Hours)

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 Teaching and Learning

EDG 7980	Doctoral Dissertation	24
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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 School of Education and Human Development and to the Dean of the University Graduate School.

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

Students enrolled in the Ph.D. program may receive an Ed.S. degree in Teaching and Learning en route to their Ph.D. Doctoral students who have advanced to candidacy, are currently enrolled, in good academic standing, and have completed all requirements for the specialist degree can be recommended for the specialist degree with prior departmental approval. If students enter without a master's degree and have completed 36 credit hours within their area of concentration, those students can be recommended for the master's degree with prior departmental approval.

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 6-12 Mathematics Teaching

The 6-12 Mathematics Teaching Certificate Program enables teachers to extend their competence in teaching 6-12 grade mathematics. It will deepen their understanding of mathematics content, problem solving and reasoning and their knowledge of ways of teaching mathematics to 6-12 grade students from diverse and minority backgrounds. Completion of the certificate will better prepare individuals for teaching mathematics in secondary schools. Entrance requirements are Bachelor's degree and a 3.0 GPA in the last two years of college work.

Required Courses

MAE 5382	Number Systems, Rational Numbers, and Operations for Teaching in
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	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

With the approval of the Graduate Program Director, up to 12 graduate credits taken in the graduate certificate may be transferred into a graduate degree program (e.g., MS, EdS, EdD or PhD). If a certificate student is admitted to a graduate degree program before the student has completed more than 12 graduate credits, with permission of their program director, all the credits earned in a graduate certificate program may be used toward fulfilling the requirements of the graduate 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