Teaching and Learning

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General Program Information

The Department of Teaching and Learning offers programs that meet the academic needs of teaching professionals throughout their careers. State of Florida teacher certification requirements are met for most programs leading to a Bachelor of Science degree in a variety of content areas. Programs are designed to bridge the theory to practice gap by engaging students in field experiences in schools and other environments. Undergraduate programs culminate with a one-semester student teaching experience.

The Department of Teaching and Learning offers undergraduate programs leading to the Bachelor of Science degree in early childhood education, elementary education, physical education, special education, and selected secondary school subject areas of specialization. Some secondary education programs are offered through the College of Arts and Sciences in collaboration with the College of Education. State of Florida certification requirements are met for all programs preparing early childhood, elementary, secondary (6-12) teachers and K-12 teachers in art education, physical education, and special education. All teacher preparation programs are accredited by the National Council for the Accreditation of Teacher Education (NCATE) and approved by the State of Florida Department of Education.

The department is strongly committed to field experiences completed concurrently with courses throughout the respective program and through Student Teaching. The department is also committed to the generation and application of knowledge through research and service to the community.

Undergraduate initial teacher preparation programs are as follows:

Early Childhood Education:
Prekindergarten/Primary Education: Age 3 to Grade 3 (ESOL Endorsement)

Elementary Education: Grades K-6 (ESOL Endorsement)

General Education: Grades K - 12
Art Education
Physical Education
Special Education: Exceptional Student Education (ESOL Endorsement)

The following programs are offered in collaboration with the College of Arts and Sciences; please refer to the Arts and Sciences section of the catalog for complete information:

English Education
Mathematics Education
Science Education
Social Studies Education

Upon admission to the University and to the College, each student is assigned an advisor in the selected teaching field. Upon successful completion of the work specified in the program of study, the student is awarded the Bachelor of Science Degree with a major in a specified subject...
matter area or level of schooling is eligible for regular teacher certification in the State of Florida.

**Admission Requirements: Undergraduate Initial Teacher Preparation Programs**

To qualify for admission to the programs, undergraduate candidates must have met all the lower division requirements including: 60 credit hours of lower-division courses, all general education requirements, lower-division GPA of 2.5 or higher, and achieve the competencies of the CLAS requirement, or the General Knowledge Exam, or the Praxis I. Students admitted to program using the CLAS or Praxis I examinations must also complete the Florida Teacher Certification Exam: General Knowledge prior to internship.

All stated admission requirements are to be considered minimum. A student who meets these minimum requirements is not automatically assured admission. Program admission requirements are subject to change. It is the responsibility of the student to assure that he/she has met the requirements.

**Field Experiences**

Most courses offered by the department require observation and participation in selected schools. The course descriptions identify the courses which require in-school classroom experiences guided by the directing classroom teacher and a College of Education faculty member.

The student teaching assignments are fulfilled in designated field centers. This experience is on a full-time basis for one semester. Permission to student-teach is contingent upon successful completion of all other requirements specified in the program of study. Students may be assigned to do their student teaching during either the Fall or Spring semesters of their senior year. There is no student teaching during the Summer semester.

Application for student teaching is the responsibility of the student. Information can be obtained on line at the web address: [http://education.fiu.edu](http://education.fiu.edu). Students must come in person to the Office of Field Experiences in ZEB 220 to be registered and be provided necessary documentation. Deadline dates are July 1 for Spring student teaching and March 1 for Fall placement.

All stated admission requirements are to be considered minimums. A student who meets these minimum requirements is not automatically assured admission. Program admission requirements are subject to change. It is the responsibility of the student to assure that he/she has met the requirements.

**Student Teaching and Fingerprint Requirements**

State of Florida Certification requires all applicants to be fingerprinted and checked by state and local law enforcement agencies. Local public and private schools and systems may also require similar security procedures for field placements, student teaching and/or internships. Students with a CHR (criminal history record) should be prepared to promptly provide documentation of adjudication in order to facilitate review and determination of eligibility for placement in the district or school requested. Details regarding specific district requirements, deadlines and documentation are available in ZEB 220, Office of Field Experiences.

**Graduation Requirements**

In the College of Education, all undergraduate students in initial certification programs are required to meet the following before they can graduate from their respective teacher education programs.

1. An overall GPA of 2.5
2. Successful demonstration of all the Florida Educator Accomplished Practices - pre-professional level
3. Passing scores on the three tests that make up the Florida Teacher Certification Exam.

For students who passed the CLAST prior to July 1, 2002. The General Knowledge Test will not be required. All admission and graduation information described above pertains to students entering all of the initial teacher preparation programs that follow.

**Other Programs:**

Early Childhood Education: Early Childhood Development Track Program (not a Teacher preparation program)
Exercise and Sports Sciences
Physical Education: Sport and Fitness Studies Track Education Minor and Alternative Certification (not a degree program)

**Bachelor of Science in Early Childhood Education: (Prekindergarten/Primary Education: Age 3 through Grade 3 & ESOL Endorsement)**

**Degree Track Hours: 126**

The Bachelor of Science in Early Childhood Education with ESOL Endorsement is an initial teacher preparation program designed to train future teachers of students from preK-3 to grade 3. The program is designed to provide students with general knowledge of teaching and pedagogical practices, as well as specific knowledge relevant to working in the early childhood education field.

**Lower Division: (60)**

See the general information section, admission and graduation requirements, and general education requirements (45 hours).

**Upper Division Program: (66)**

Minimal acceptable grade is a "C"

**Foundations: 12 hours**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDG 3321</td>
<td>General Instruction Decision Making</td>
</tr>
<tr>
<td>EDF 3251</td>
<td>Classroom Management</td>
</tr>
<tr>
<td>EDF 4604</td>
<td>Cultural/Social Fdns of ED</td>
</tr>
<tr>
<td>EDP 3004</td>
<td>Educational Psychology</td>
</tr>
</tbody>
</table>

**Early Childhood Core: 3 hours**

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>EEC 4204</td>
<td>Early Childhood Curriculum</td>
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**Teaching Methods & Curriculum: 21 hours**

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>ARE 3313</td>
<td>Content and Methods of Teaching Elementary Art (ECE)</td>
</tr>
<tr>
<td>MAE 4310</td>
<td>Content and Methods of Teaching Elementary Math</td>
</tr>
<tr>
<td>SCE 4310</td>
<td>Content and Methods of Teaching Elementary Science</td>
</tr>
<tr>
<td>EEX 3070</td>
<td>Teaching Students with Exceptionalities in Inclusive Settings</td>
</tr>
</tbody>
</table>
Bachelor of Science in Elementary Education (Grades 1-6 & ESOL Endorsement)

Degree Program Hours: 129

Lower Division: (60)

See the general information section, admission and graduation requirements, and new general education requirements (45 hours).

Upper Division Program: (69)

Minimum acceptable grade is “C”

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 3004</td>
<td>Educational Psychology</td>
<td>3</td>
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<tr>
<td>EDG 3321</td>
<td>General Instruction Decision Making</td>
<td>3</td>
</tr>
<tr>
<td>EDE 3302</td>
<td>Issues in Elementary Education*</td>
<td>3</td>
</tr>
<tr>
<td>RED 3313</td>
<td>Language &amp; Literacy Development</td>
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<tr>
<td>RED 4150</td>
<td>Content and Methods of Teaching Beginning Literacy</td>
<td>3</td>
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<tr>
<td>EEX 3070</td>
<td>Teaching Students with Exceptionalities in Inclusive Settings</td>
<td>3</td>
</tr>
<tr>
<td>EDF 3251</td>
<td>Classroom Management</td>
<td>3</td>
</tr>
<tr>
<td>TSL 3080</td>
<td>ESOL Issues: Principles &amp; Practices I - GL</td>
<td>3</td>
</tr>
<tr>
<td>SCE 4310</td>
<td>Content and Methods of Teaching Elementary Science*</td>
<td>3</td>
</tr>
<tr>
<td>RED 4150</td>
<td>Content and Methods of Teaching Beginning Literacy*</td>
<td>3</td>
</tr>
<tr>
<td>ARE 3313</td>
<td>Content and Methods of Teaching Elementary Art*</td>
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</tr>
<tr>
<td>EDF 3430</td>
<td>Measurement and Evaluation in the Classroom</td>
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<tr>
<td>MAE 4310</td>
<td>Content and Methods of Teaching Elementary Mathematics*</td>
<td>3</td>
</tr>
<tr>
<td>HLP 3722</td>
<td>Content and Methods of Teaching Elementary Health and Physical Education*</td>
<td>3</td>
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<tr>
<td>RED 4311</td>
<td>Content and Methods of Teaching Intermediate Literacy*</td>
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</tr>
<tr>
<td>EDF 4604</td>
<td>Cultural/Social Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>TSL 4081</td>
<td>ESOL Issues: Principles &amp; Practices II - GL</td>
<td>3</td>
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</tbody>
</table>

SSE 4312 Content and Methods of Teaching Elementary Social Studies* | 3
RED 4110 Content and Methods of Teaching Literacy in Schools** | 3
MUE 3210 Content and Methods of Teaching Elementary Music* | 3

These two courses must be taken together in the final semester. All other courses are prerequisites.

EDE 4943 Student Teaching Internship | 9
EDE 4936 Senior Seminar in Elementary Education | 3

*All courses marked with asterisks have a co-requisite of 20 hours of field work distributed throughout the term. Other courses may also have field requirements. These courses must be taken in the following sequence: RED 3313, RED 4100, RED 4150. RED 4110 meets in selected schools.

*TSL 3080 is a prerequisite for TSL 4081. These courses are not offered in summer terms.

All courses must be taken prior to student teaching courses EEC 4943, EDE 4936.

Bachelor of Science in Art Education: Grades K-12

Degree Program Hours: 135

Lower Division: (60)

See the general information section, admission and graduation requirements, and new general education requirements (45 hours).

Major Common Prerequisites

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ART 1201C</td>
<td>2D Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 1203C</td>
<td>3D Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 2300C</td>
<td>Beginning Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 2301C</td>
<td>Drawing II</td>
<td>3</td>
</tr>
<tr>
<td>ARH 2050</td>
<td>Art History Survey I</td>
<td>3</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>Art History Survey II</td>
<td>3</td>
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<tr>
<td>ART xxxx</td>
<td>Art Studio Electives</td>
<td>6</td>
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Upper Division Program: (75)

Subject Matter Specialization: (30)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ARH 4470</td>
<td>Contemporary Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 3331C</td>
<td>Figure Drawing II</td>
<td>3</td>
</tr>
<tr>
<td>ART 3504C</td>
<td>Intermediate Painting</td>
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</tr>
<tr>
<td>ART 3402C</td>
<td>Printmaking III</td>
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</tr>
<tr>
<td>ART 3702C</td>
<td>Sculpture II</td>
<td>3</td>
</tr>
<tr>
<td>PGY 3410C</td>
<td>Intermediate Color Photography</td>
<td>3</td>
</tr>
<tr>
<td>ART 3760C</td>
<td>Intermediate Ceramics</td>
<td>3</td>
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</tbody>
</table>

Select two of the following three courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARE 4848</td>
<td>Concepts in Art Education</td>
<td>3</td>
</tr>
<tr>
<td>EDF 4xxx</td>
<td>Study Abroad</td>
<td>3-6</td>
</tr>
<tr>
<td>ARE 4459</td>
<td>New Media/Crafts</td>
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Professional Education: (45)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>EDF 4604</td>
<td>Cultural and Social Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>EDF 3004</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EDG 3321</td>
<td>General Instruction Decision Making</td>
<td>3</td>
</tr>
<tr>
<td>EDF 3251</td>
<td>Classroom Management</td>
<td>3</td>
</tr>
<tr>
<td>EDF 3430</td>
<td>Measurement and Evaluation in the Classroom</td>
<td>3</td>
</tr>
</tbody>
</table>

Bachelor of Science in Elementary Education (Grades 1-6 & ESOL endorsement)

Bachelor of Science in Art Education: Grades K-12
EEX 3070  Teaching Students with Exceptionalities in Inclusive Settings  3
RED 4325  Subject Area Reading  3
TSL 4324  ESOL Issues and Strategies for Content Teachers – GL  3
ARE 4316  Special Teaching Lab Art K-5  (Fall only)  3
ARE 4341  Special Teaching Lab 6-12  (Fall only)  3
ARE 4xxx  Special Topics in Art Education or advisor approved electives  3-6
ARE 4940  Student Teaching  9

Special Methods and Student Teaching

Students must complete the 14 semester hours of foundations courses, and all core courses before enrolling in 4000-level Special Teaching Lab courses. ARE 4316 and ARE 4341 must be taken before ARE 4940. Applications to student teach are due in the office of the Director of Student Teaching by July 1 for Spring semester placement.

Bachelor of Science in Physical Education: Grades K-12 (120)

This program is designed for individuals who wish to become certified to teach physical education in the elementary and middle, and secondary schools. Upon successful completion of the program and the requirements specified by the Florida Department of Education, degree recipients are eligible for regular teacher certification in the State of Florida.

Lower Division Program Requirements:

- Anatomy and Physiology I with Lab  3-4
- Skills and Practices Courses in Physical Activities  4-5
- Conditioning, Fitness and Wellness  3

Lower-Division Common Education Prerequisites:

- EDF 1005  Introduction to Education  3
- EDF 2085  Teaching Diverse Populations  3
- EME 2040  Introduction to Educational Technology, or acceptable substitute  3

- Requires field experience of 15 clock hours outside of class time.
- In addition to EDF 2085, students must take six credit hours with an international diversity focus in lower division.
- All required courses must be completed with a grade of ‘C’ or higher.

Upper Division Program: (61)

Professional Education: (18)
- EDF 4604  Cultural and Social Foundations of Education  3
- EDG 3321  General Instructional Decision Making  3
- EDP 3004  Educational Psychology  3
- RED 4325  Reading in the Content Area  3
- TSL 4234  ESOL Issues and Strategies for Content Teachers  3
- ESE 4343  Classroom Management  3

Subject Matter Specialization: (46)
- DAE 3371  Dance in the Elementary School  3

PEO 4041  Games & Gymnastics in the Elementary School  3
PET 3310  Kinesiology  3
APK 3110  Exercise Physiology  3
PET 3640  Adapted Physical Education  3
PET 4510  Evaluation in Physical Education  3
PEO 4004  Principles and Practices of Coaching  3
PET 4622  Athletic Injuries  3
PET 4050  Motor Learning and Development  4
PET 4442  Physical Education in the Secondary School  3
PEP 4102  Applied Concepts of Fitness and Health  3
PET 4401  Administration of Physical Education and Sport  3
PET 4929  Student Teaching Seminar  3
PET 4945  Student Teaching Grades 6-12 (or PET 4944 or PET 4943)  9

Applications for student teaching are due in the office of the Director of Student Teaching by July 1 for Spring semester placement, and by February 1 for Fall semester placement.

Bachelor of Science in Special Education, Exceptional Student Education and ESOL Endorsement

Degree Program Hours: 127

The undergraduate special education, exceptional student education (ESE) program utilizes a field-centered preparation model leading to approval for State of Florida Certification in Exceptional Student Education with ESOL Endorsement.

The special education, exceptional student education (ESE) program recognizes that students with disabilities are entitled to a free and appropriate public education, that all students are to be educated in the least restrictive yet most enabling environment and are to access the general education curriculum the greatest extent possible. Special educators also provide services to preschool children and adults.

Given this context, the undergraduate ESE program emphasizes the development of the following competencies to be demonstrated in both the University and field settings:

1. Identifying and accessing students with exceptionalities.
2. Implementing appropriate individual educational plans to meet student needs.
3. Delivering appropriate instruction for children with exceptionalities in the least restrictive environment.
5. Planning for inclusion and collaboration with parents and other education personnel.
6. Working with students with disabilities from culturally and linguistically diverse backgrounds.

Diagnostic-prescriptive teaching and management skills are to be demonstrated with students with mild disabilities who range in age from infancy to adulthood, and who represent multicultural, multilingual backgrounds. The Florida Education of Speakers of Other Languages (ESOL) competencies are met throughout program coursework.
Admission Requirements

To qualify for admission to the program, undergraduates must have met all the lower division requirements, and have a 2.5 GPA or above.

The undergraduate ESE program is offered in a sequence. Although, there is flexibility in the schedule, there are many courses that have to be taken at a certain time in the program. In addition, senior block (the semester prior to student teaching) and student teaching are offered ONLY at Fall and Spring semesters. It is imperative that students work closely with their advisors to take courses in the appropriate sequence. Faculty will advise students on special education program course sequence prior to official acceptance. Please consult an ESE advisor for additional information.

Graduation Requirements

Graduation requirements include successful demonstration of the Florida Educator Accomplished Practices, GPA 2.5 or above and passing scores on all three sections of the Florida Teacher Certification Exam.

Exceptional Student Education (67)

Upper Division: Professional Studies Common Core
- EDP 3004 Educational Psychology 3
- EDF 4604 Cultural and Social Foundations of Education 3
- EDG 3321 General Instructional Decision Making 3

Upper Division: Program Content Courses
- TSL 3080 ESOL Issues: Principles and Practices I – GL 3
- TSL 4081 ESOL Issues: Principles and Practices II – GL 3
- EEX 3764 Instructional and Assistive Technology in Special Education 3
- EEX 4240 Literacy in Special Education 3
- EEX 3070 Teaching Students with Exceptionalities in Inclusive Settings 3
- SPA 3000 Acquisition of Speech and Language Skills 3
- EEX 3221 Assessment of Students with Exceptionalities 3
- EEX 4601 Behavioral Approaches to Learning and Classroom Management I 3
- RED 4150 Teaching Beginning Literacy 3
- RED 4325 Subject Area Reading 3
- MAE 4310 Teaching Elementary Math 3
- SCE 4310 Content and Methods of Teaching Elementary Science 3
- SSE 4312 Content and Methods of Teaching Elementary Social Studies 3
- EEX 3066 Instructional Practices in Exceptional Student Education I 3
- EEX 4067 Instructional Practices in Exceptional Student Education II 3
- EEX 4833 Supervised Practicum in Special Education 1
- EEX 4861 Student Teaching 9
- EEX 4936 Student Teaching Seminar 3

Note: The following courses within the undergraduate program require a total of 10 to 20 hours of field placement per semester during school hours. EEX 3012, EEX 3070, RED 4150, RED 4325, MAE 4310, TSL 3080, and TSL 4081. In addition the semester prior to student teaching along with class attendance at the University, students must take EEX 4833 which requires 120 hours of field placement (20 hours per week for 6 weeks or 15 hours for 8 weeks. EEX 4861, student teaching, required full-time placement in the field. Permission to student teach is contingent upon satisfactory completion of all requirements specified in the program. Applications to student teaching must be filed in the Office of Field Experiences by the date indicated in the student teaching office preceding the Student Teaching semester: March 1st for Fall placement and July 1st for Spring placements. Please confirm this due date with your advisor. The due date is subject to change.

All stated admission requirements are to be considered minimal. A student who meets these minimum requirements is not automatically assured admission. Program admission requirements are subject to change. It is the responsibility of the student to assure that he/she has met the requirements.

Non-Teacher Certification Programs

Bachelor of Science (B.S.) in Early Childhood Education

Early Childhood Development Track

Degree Program Hours: 120

The Early Childhood Development Track focuses on understanding of learning and development during the early childhood years. Students will learn about the cognitive, language, and social/emotional development of young children within the context of family and community studies. Students will also learn about general and early education practices and curricula. (NOTE: This track does not result in a teacher certification.)

Admission Requirements

In order to be admitted into the Early Childhood Development Track, students must (a) achieve the competencies of the CLAS requirement, (b) have 60 semester hours or an A.A. degree from a FL public institution, (c) have a minimum 2.5 GPA, and (d) meet the general requirements of Florida International University.

Upper Division Program: (60)

The Early Childhood Development Track requires students to take a total of 60 upper division credit hours in professional education and early childhood development.

A. Professional Education Courses: (30 hours)

1. Foundations (12 hours)
- EDG 3321 Gen Instruct Decision Making 3
- EDP 3004 Educational Psychology 3
- EDF 3251 Classroom Management 3
- EDF 4604 Cultural and Social Foundations of Education 3

2. Teaching Methods and Curriculum (min 9 hours)
Choose three (3) advisor-approved teaching methods and curriculum courses, such as
- ARE 3313 Content and Methods of Teaching Elementary Art 3
EEX 3070 Teaching Students with Exceptionalities in Inclusive Settings 3
HLP 3722 Content and Methods of Teaching Elementary Health and Physical Education 3
MAE 4310 Content and Methods of Teaching Elementary Math 3
SCE 4310 Content and Methods of Teaching Elementary Science 3
TSL 3080 ESOL Principles and Practices I – GL 3

3. Early Childhood Education (min 9 hours)
Select three (3) advisor-approved early childhood education courses, such as
ECC 3204 Issues in Early Childhood Education 3
ECC 4005 Early Childhood Educational Programs 3
ECC 4204 Early Childhood Curriculum 3
LAE 4405 Children’s Literature 3

B. Early Development Courses (21 hours)
1. Child Development (min 9 hours)
EDP 3273 Child Development 3
Select two additional advisor-approved child development courses, such as
EDP 4274 Early Social and Emotional Development 3
EDP 4275 Assessment, Evaluation, and Diagnosis of the Young Child 3

2. Family & Community Studies (min 6 hours)
Select two (2) advisor-approved courses in family and community studies, such as
EEC 3400 Family Literacy and the Young Child 3
EEC 3403 Special Needs of Children and their Families 3
EEC 3408 Community and the Young Child 3

3. Literacy/Language/Reading Development (min 6 hours)
Select two (2) advisor-approved literacy/language/reading development courses, such as
RED 3313 Language and Literacy Development 3
RED 4100 Emergent Literacy 3
RED 4150 Teaching Beginning Literacy 3

C. Elective Courses: (9 hours)
Select up to three (3) advisor-approved elective courses in the area of early childhood learning and development. Elective courses may be used to take additional courses in any of the areas listed above.

Bachelor of Science in Physical Education: Sport and Fitness Studies Track
The undergraduate sport and fitness studies track prepares individuals for positions in physical activity and fitness settings. These areas typically include but are not limited to coaching, directing fitness activities, administering youth and senior activity programs, and serving special needs populations. The core program emphasizes the development of the knowledge, skills and dispositions of students to succeed in physical activity and exercise settings that are non-school based. Program electives allow students to pursue and develop areas of interest. (NOTE: This track does not result in a teacher certification.)

Lower Division Preparation
To qualify for admission into the program, students must meet all College of Education published admission requirements which include: program prerequisites, Core Curriculum requirements, 2.5 GPA, and CLAS.

Upper Division Program: 60 (or 61) Required Core Courses: 48 (or 49) credits

PEM 4103 Advanced Personal Training 3
PEO 4004 Principles of Coaching 3
PEP 4102 Applied Concepts of Fitness 3
PET 3020 Foundations of Physical Education 3
PET 3640 Adapted Physical Education 3
PET 3310 Kinesiology 3
APK 3110 Exercise Physiology 3
PET 4050 Motor Learning and Development 4

PET 4207 Considerations in Youth Sports 3
APK 4400 Sport Psychology 3
PET 4251 Sociology of Sport 3
PET 4401 Administration of Sport 3
PET 4622 Athletic Injuries 3
PET 4929 Senior Seminar in PE 3
PET 4946 Sport and Fitness Internship 9

All electives must be approved by an advisor prior to enrollment.

Professional Training Option (PTO)
Education Minor and Alternative Certification Program
Students must apply for the PTO: Alternate Certification or Education Minor program in the College Advising Center. Students who complete the entire program will have their transcripts endorsed as having successfully completed the Professional Training Option (PTO).

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

(NOTE: Some of the courses may be taken at the undergraduate or graduate level depending on the student’s educational career goals.)

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

EDF 3251 Classroom Management 3
RED 5147 Developmental Reading 3
RED 4325 Subject Area Reading 3
RED 5339 Subject Area Reading 3
<table>
<thead>
<tr>
<th>Special Methods: Subject Area Specific (3-6 credits)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>English 6-12/TESOL</td>
<td></td>
</tr>
<tr>
<td>LAE 4335/5336C Special Teaching Lab: English</td>
<td>3</td>
</tr>
<tr>
<td><strong>Mathematics</strong></td>
<td></td>
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<tr>
<td>MAE 4330            Teaching and Learning Secondary Mathematics</td>
<td>4</td>
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<tr>
<td><strong>Earth Science/Physics/Chemistry/Biology</strong></td>
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<tr>
<td>SCE 4330            Secondary Science Teaching Methods</td>
<td>3</td>
</tr>
<tr>
<td><strong>Social Studies</strong></td>
<td></td>
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<tr>
<td>SSE 4384            Special Teaching Lab: Social Studies</td>
<td>3</td>
</tr>
<tr>
<td><strong>French/Spanish</strong></td>
<td></td>
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<tr>
<td>FLE 4314/5142       Methods of Teaching Modern Languages in Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>FLE 4375/5371       Methods of Teaching Modern Languages at the Secondary Level</td>
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<tr>
<td><strong>Art Education</strong></td>
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<tr>
<td>ARE 4316            Special Teaching Lab: Art K-5</td>
<td>3</td>
</tr>
<tr>
<td>ARE 4341            Special Teaching Lab: Art 6-12</td>
<td>3</td>
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<tr>
<td><strong>Music Education</strong></td>
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<tr>
<td>MUE 3340            Elementary Music Methods</td>
<td>3</td>
</tr>
<tr>
<td>MUE 4341            Secondary Music Methods</td>
<td>3</td>
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