will develop critical thinking skills and analytical abilities that will be invaluable for those pursuing law or graduate school, as well as those seeking careers as forensic scientists or criminal investigators. Criminology majors are ineligible to earn a criminal investigation minor.

**Requirements for the criminal investigation minor:**
- Core .................................................. 28  
  (must take all seven courses)
- CRM 101 Introduction to Criminology .......... 4
- CRM 102 Introduction to Criminal Justice .......... 4
- CRM 200 Introduction to Law Enforcement .......... 4  
- CRM 206 Criminal Investigation .......... 4
- CRM 307 Introduction to Forensic Science .......... 4
- CRM 311 Criminal and Court Procedure .......... 4
- CRM 317 Expert Witness Testimony .......... 4
- Elective ................................................ 4
  Choose one of the following courses
- SOC 100 Introduction to Sociology .......... 4
- PSY 200 General Psychology .......... 4
- PHL 212 Critical Thinking .......... 4

Total Semester Hours: 32

**Forensic Science Major**

This Bachelor of Science Degree program is a multidisciplinary effort by the Departments of Chemistry and Criminology offering students a solid foundation in basic science and the criminal justice system. The program employs the principles of chemistry, biology, physics, and mathematics with social science theory and law to help solve crimes and serve the cause of justice. Please see Chemistry section for program detail.

**Department of Education**

**Faculty:** Professor O’Hara, Co-Chair; Associate Professor Soublis-Smyth, Co-Chair; Associate Professors Cloutier, Almerico, Harrison; Assistant Professors Erben, Schimmel, O’Grady, Johnston; Instructor Tankersley.

**Mission:** The mission of the Department of Education is to develop teachers who are prepared to create compelling, active learning environments. Future teachers at The University of Tampa develop skills that enable them to create caring communities in which learner success and retention are maximized. Education faculty members emphasize responsiveness to, and valuing of, human diversity and intercultural understanding. Education faculty members work collaboratively with future teachers, local educators, community members, alumni and students to establish and facilitate a relevant, appropriate teacher preparation program. Research-based teacher development is facilitated through critical and analytical inquiry involving case studies, micro-teaching, videotaped self-evaluations and teaching practica. An essential aspect of all courses is that effective teaching requires analysis, reflection and conversation with and about learners, curricula and practices.

**Philosophy:** The best way for teachers to prepare learners well is to equip them with problem solving strategies that will enable them to cope with new challenges in their personal and professional lives. In the context of coping, learners are enabled to understand the subjective and changing nature of truth; that multiple perspectives exist and what is considered to be true by any one individual or at any one point in history may change over time.

The teacher’s role is to serve as a guide whose primary responsibility is to act as a facilitator for student learning. In the process of creating learning experiences and environments, the teacher takes into account the well being and development of the whole learner in terms of physical, emotional, social, aesthetic, intellectual and linguistic needs. The teaching and learning process needs to be characterized by extensive interaction between teacher and learners, and among learners themselves. Teachers provide learners with experiences that enable them to learn by doing, because meaningful learning is an active process.

School is a place where learners develop personal, as well as social, values. In the
words of Maxine Greene, “We have to know about our lives, clarify our situations if we are to understand the world from our shared standpoints.” Schooling needs to prepare learners with a broad understanding of the democratic process and the role of the individual in that process. Such an understanding includes how governance structures operate in a democratic society. Schools should not only transmit knowledge about the existing social order, they should seek to reconstruct it, as well. Learners must be enabled to understand how individuals can take advantage of the democratic process and to act as change agents as they pursue efforts to restructure the society in positive ways.

Teachers need to place a premium on bringing the world into the classroom. Learning experiences need to include field trips, telecommunications, community-based projects of various sorts, and opportunities to interact with persons beyond the four walls of the classroom.

Teachers must allow learners freedom of creative choice and provide them with carefully designed experiences that will help them find meaning in their lives and find their own answers to questions. This does not suggest, however, that learners may do whatever they please. The choices that are offered to learners are well structured, and are designed to provide optimal learning. Curricula are judged by whether or not they contribute to the individual’s quest for personal and professional meaning. Appropriate curricula result in an increased level of personal awareness, as well as content-area knowledge.

**Teacher Education Programs at UT**

The following undergraduate programs are approved by the Florida Department of Education:

- Elementary Education (K-6)
- Secondary Biology Education (6-12)
- Secondary English Education (6-12)
- Secondary Mathematics Education (6-12)
- Secondary Social Sciences Education (6-12)
- Music Education (K-12)
- Physical Education (K-12) (Exercise Science)

Certification endorsements are offered in early childhood education (ages 3-8) and ESOL (English to Speakers of Other Languages). The ESOL endorsement is delivered through an infused model and cannot be earned separately from an elementary or secondary English teaching certificate. Courses are designed to provide students extensive experience working with children, adolescents and young adults in school settings.

Any course transferred to this University for purposes of meeting teacher certification requirements must be equivalent to a specific UT course.

**Florida State Teacher Education Mandates**

Florida state laws pertaining to requirements for certification in teacher education may be enacted after this edition of the UT Catalog has gone to press. Education students must comply with these requirements, even if they do not appear in this version of the catalog, in order to graduate from any Florida teacher education program or be certified to teach in the state of Florida. Such information will be made available in the Department of Education office, Plant Hall 439, and will appear in future editions of the UT Catalog.

At the time the catalog went to press, state legislation was pending that may affect certification requirements for education majors. For up-to-date information, contact the Department of Education in Plant Hall 439.

**ESOL (English to Speakers of Other Languages) Endorsement**

All Florida teacher education programs must provide ESOL training as part of elementary and secondary certification. Elementary education and secondary English education majors who began their programs in or after fall 2000 as freshmen (regardless of institution) must complete 15 hours of ESOL coursework to earn an ESOL endorsement. This includes the following three ESOL courses: EDU 301 Teaching Practicum I:
have been admitted to teacher education. Continued professional standing is granted only with maintenance of a minimum 2.5 GPA in the major(s) and a minimum 2.5 GPA overall.

Florida Teacher Certification Examination
The 2007-08 FTCE passage rate for program graduates was 100 percent.

Florida Educator Accomplished Practice Portfolio
Education majors are required to assemble an Accomplished Practices portfolio. This document will house 36 assignments specified by the University of Tampa Education Department as evidences which demonstrate student acquisition of each of the Florida Educator’s Accomplished Practices at the pre-professional level. Each student is responsible for the maintenance of this portfolio beginning the first semester junior year through graduation. The portfolio will be evaluated by education faculty members at the end of each semester.

Admission to Teacher Education
Students planning to enter teacher education programs must apply after they have completed at least 30 credit hours. Transfer students seeking to apply should do so immediately upon acceptance to the University. The Application for Admission to Teacher Education (available in the wall pockets outside the Department of Education office and online at www.ut.edu) must be completed and returned to UT’s Department of Education in November for spring admission consideration and in April for fall admission consideration. To enroll in 300-400 level education courses, students must be accepted into the teacher education program, unless they are transfer students with permission granted by the department chair. Detailed information about entrance requirements can be found in the Department of Education Handbook (available in the Education Office).

Based upon an intensive review, the Teacher Education Review Committee may recommend or deny admission to the program.

Each semester, the Department of Education monitors the GPAs of students who
preparation, punctuality, reliability and the spirit of cooperation. Failure to meet these requirements may result in student dismissal from the Department of Education.

**Teaching Practica**

Secondary education biology, math, music, physical education and social science majors refer to the *Required Secondary Education Courses* component of this catalog for information regarding teaching practica.

All elementary education and secondary English education majors will participate in three teaching practica: Teaching Practicum I: TESOL, Teaching Practicum II, and Teaching Practicum III: Final Internship. The Practicum III requirement is completed during the student’s last semester. Students who desire to take Practicum III earlier must seek authorization from the director of interns, with the exception of students participating in intercollegiate sports, who must teach during the semester in which they are not participating in their sport.

Practicum III students spend a full semester in the schools. Students desiring to enroll in the Teaching Practicum III: Final Internship program (EDU 406, 407, 411, 412 or 445) must apply the semester preceding the proposed practicum. A student must have been admitted to the teacher education program and must have:

1. an overall minimum 2.5 GPA on a 4.0 scale.
2. a minimum 2.5 GPA in the major area, and a minimum 2.5 GPA in the general curriculum distribution requirements.
3. passage of all sections of the FTCE: the General Knowledge Exam, the Professional Skills Test, and the Subject Area Test.

All requirements are subject to change to comply with state Department of Education regulations.

Students enrolled in EDU 406, 407, 411, 412 or 445 must concurrently enroll in EDU 444, Teaching Practicum III Seminar. No other courses may be taken during Practicum III.

Graduation from UT’s approved teacher education program satisfies eligibility criteria for a Florida temporary certificate and an initial teaching certificate in most other states. More information regarding internships can be found in the “Internship Handbook” which is distributed prior to the Practicum III internship.

**Teacher Education Course Sequence**

*Note:* EDU majors are required to take EDU 203 in lieu of ITM 200. Music education majors do not take EDU 203, and therefore must complete ITM 200.

The course sequences for each teacher education program are posted in the “Majors and Minors” section of the UT Blackboard Web site. The “Quick Help Guide” may also be found on the UT Blackboard site. Please note that teacher education majors must complete more core courses than non-education majors in order to fulfill certification requirements.

It is the student’s responsibility to meet all institutional requirements for Florida teacher certification. Every effort should be made to take the courses in the semester sequence outlined in the “Quick Help Guide.” Failure to do so may result in a lengthening of the undergraduate program, postponing the anticipated date of graduation. Please note that some courses must be taken concurrently with others to fulfill all requirements.

**Elementary Education Curriculum**

**Required Elementary Education Courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 200</td>
<td>Foundations of American Education</td>
</tr>
<tr>
<td>EDU 201</td>
<td>Learning Theories and Individual Differences</td>
</tr>
<tr>
<td>EDU 203</td>
<td>Technology in Education</td>
</tr>
<tr>
<td>EDU 205</td>
<td>Creativity and the Learning Environment (W)</td>
</tr>
<tr>
<td>EDU 301</td>
<td>Teaching Practicum I: Teaching English to Speakers of Other Languages (TESOL)</td>
</tr>
<tr>
<td>EDU 304</td>
<td>Elem. TESOL I: Teaching English to Speakers of Other Languages I</td>
</tr>
</tbody>
</table>

Students enrolled in EDU 406, 407, 411, 412 or 445 must concurrently enroll in EDU 444, Teaching Practicum III Seminar. No other courses may be taken during Practicum III.

Graduation from UT’s approved teacher education program satisfies eligibility criteria for a Florida temporary certificate and an initial teaching certificate in most other states. More information regarding internships can be found in the “Internship Handbook” which is distributed prior to the Practicum III internship.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>Composition and Rhetoric I</td>
<td>4</td>
</tr>
<tr>
<td>GIS 101</td>
<td>Global Issues</td>
<td>4</td>
</tr>
<tr>
<td>GTW 100</td>
<td>Gateways</td>
<td>1</td>
</tr>
<tr>
<td>MAT 155</td>
<td>or MAT 160</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td><strong>Semester Hrs. 16</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Second Semester Freshman</strong></td>
<td></td>
</tr>
<tr>
<td>EDU 201</td>
<td>Learning Theories and Individual Differences</td>
<td>3</td>
</tr>
<tr>
<td>BIO 112, 124</td>
<td>or MAR 126</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>Composition and Rhetoric II</td>
<td>4</td>
</tr>
<tr>
<td>GTW 102</td>
<td>Gateways</td>
<td>1</td>
</tr>
<tr>
<td>MAT 153</td>
<td>College Geometry</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td><strong>Semester Hrs. 13</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Year 2</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>First Semester Sophomore</strong></td>
<td></td>
</tr>
<tr>
<td>EDU 203</td>
<td>Technology in Education</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts Choice</td>
<td>(Music, Art, Dance or Drama)</td>
<td></td>
</tr>
<tr>
<td>Social Science Choice</td>
<td></td>
<td>3-4</td>
</tr>
<tr>
<td>Humanities Choice</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Physical or Chemical Science</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Semester Hours: 16</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Second Semester Sophomore</strong></td>
<td></td>
</tr>
<tr>
<td>EDU 205</td>
<td>Creativity and the Learning Environment</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Choice</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Humanities Choice</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Social Science Choice</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td></td>
<td><strong>Semester Hours: 16</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Year 3</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>First Semester Junior</strong></td>
<td></td>
</tr>
<tr>
<td>EDU 301</td>
<td>Teaching Practicum I: TESOL</td>
<td>2</td>
</tr>
<tr>
<td>EDU 304</td>
<td>Elementary TESOL I</td>
<td>2</td>
</tr>
<tr>
<td>EDU 314</td>
<td>Emerging Literacy</td>
<td>3</td>
</tr>
<tr>
<td>EDU 326</td>
<td>Elementary Educational Assessment</td>
<td>3</td>
</tr>
<tr>
<td>EDU 327</td>
<td>Teaching Art in the Elementary School</td>
<td>2</td>
</tr>
<tr>
<td>EDU 328</td>
<td>Teaching Music in the Elementary School</td>
<td>2</td>
</tr>
<tr>
<td>EDU 426</td>
<td>Teaching Intermediate Elementary Mathematics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Semester Hours: 18</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Boldface indicates ESOL-infused course.**

**Elementary Education Course Sequence**
- W=Writing Intensive
- NW=Non-Western

**Year 1**

**First Semester Freshman**
- EDU 200 Foundations of American Education.......................3
required for early childhood education endorsement and subsequent certification.

**Secondary Education Curricula**

- Biology (6-12), English (6-12), Physical Education (K-12) (Exercise Science), Mathematics (6-12), Music (K-12) and Social Sciences (6-12)

**Required Secondary Education Courses**

- EDU 200 Foundations of American Education
- EDU 201 Learning Theories and Individual Differences
- EDU 203 Technology in Education (not PE majors)
- EDU 301 Teaching Practicum I: Teaching English to Speakers of Other Languages (English majors only)
- EDU 354 Sec. TESOL I: Teaching English to Speakers of Other Languages I
- EDU 306 Teaching Reading in the Secondary Content Areas
- EDU 356 Secondary Educational Assessment (not PE majors)
- EDU 333 Teaching in the Inclusive Classroom (not PE majors) (W)
- EDU 329 Teaching PE and Health in Elementary School..............3
- EDU 404 TESOL II..........................3
- EDU 417 Diagnosis and Remedy of Reading Problems in the Elementary School.............3
- EDU 333 Teaching in the Inclusive Classroom .........................3
- EDU 442 Learner Diversity and Cross-Cultural Understanding..................3
- EDU 443 Teaching Practicum II: Elementary.........................4

**Second Semester Senior**

- EDU 444 Teaching Practicum III Seminar............................2
- EDU 445 Teaching Practicum III: Elementary Final Internship.............10

**Year 4**

**First Semester Senior**

- EDU 329 Teaching PE and Health in Elementary School..............2
- EDU 404 TESOL II..........................3
- EDU 417 Diagnosis and Remedy of Reading Problems in the Elementary School.............3
- EDU 333 Teaching in the Inclusive Classroom .........................3
- EDU 442 Learner Diversity and Cross-Cultural Understanding..................3
- EDU 443 Teaching Practicum II: Elementary.........................4

**Second Semester Senior**

- EDU 444 Teaching Practicum III Seminar............................2
- EDU 445 Teaching Practicum III: Elementary Final Internship.............10

**Note:** It is the student’s responsibility to meet all institutional requirements for Florida teacher certification. Every effort should be made to take the courses in the semester sequence outlined above. Failure to do so may result in a lengthening of the undergraduate program, postponing the anticipated date of graduation. Note that some courses must be taken concurrently with others to fulfill all requirements.

The department will periodically offer the courses EDU 252, 321, 322 and 323
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 152</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHE 153</td>
<td>General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHE 154</td>
<td>General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHE 155</td>
<td>General Chemistry II Lab</td>
<td>1</td>
</tr>
</tbody>
</table>

**Required Courses:**

- BIO 330 General Physiology | 4 |
- Choose one of the following: |
  - BIO 228 Biology of Plants |
  - MAR 327 Marine Biology |
- Choose one of the following: | 4 |
  - BIO 300 Genetics |
  - BIO 320 Molecular Genetics |

**Ecology course:**

- Choose one of the following |
  - BIO 212 Ecology |
  - BIO 242 Intro to Environmental Science Policy |
  - MAR 222 Marine Ecology |
  - BIO 346 Conservation Biology |
  - MAR 301 Physical Oceanography |
  - BIO 400 Evolution |

**Organismal course:**

- Choose one of the following |
  - BIO 307 Microbiology |
  - BIO 310 Developmental Biology |
  - BIO 350 Cell Biology |
  - BIO 360 Immunology |

| Total Biology Hours: | 40 |

**Secondary Biology Education Course Sequence**

**Year 1**

**First Semester Freshman**

- EDU 200 Foundations of American Education | 3 |
- ENG 101 Composition and Rhetoric | 4 |
- GIS 101 Global Issues | 4 |
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GTW 100</td>
<td>Gateways</td>
<td>1</td>
</tr>
<tr>
<td>BIO 203</td>
<td>Biological Diversity</td>
<td>4</td>
</tr>
</tbody>
</table>

**Semester Hours:** 16

### Second Semester Freshman

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 201</td>
<td>Learning Theories and Individual Differences</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>Composition and Rhetoric</td>
<td>4</td>
</tr>
<tr>
<td>GTW 102</td>
<td>Gateways</td>
<td>1</td>
</tr>
<tr>
<td>MAT 170</td>
<td>Pre-Calculus</td>
<td>4</td>
</tr>
<tr>
<td>BIO 204</td>
<td>Biological Unity</td>
<td>4</td>
</tr>
</tbody>
</table>

**Semester Hours:** 16

### Year 2

#### First Semester Sophomore

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 203</td>
<td>Technology in Education</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts Choice</td>
<td>art, music, dance, drama</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Choice</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Humanities Choice</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>CHE 152</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHE 153</td>
<td>General Chemistry I Lab</td>
<td>1</td>
</tr>
</tbody>
</table>

**Semester Hours:** 17

#### Second Semester Sophomore

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Science Choice</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Humanities Choice</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>CHE 154</td>
<td>General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHE 155</td>
<td>General Chemistry II Lab</td>
<td>1</td>
</tr>
</tbody>
</table>

**Semester Hours:** 16

#Course offered in fall only.

*Course offered in spring only.

### Year 3

#### First Semester Junior

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 354</td>
<td>SecondaryTESOL I</td>
<td>3</td>
</tr>
<tr>
<td>EDU 306</td>
<td>Teaching Reading in Secondary Content</td>
<td>3</td>
</tr>
<tr>
<td>EDU 356</td>
<td>Secondary Educational Assessment</td>
<td>3</td>
</tr>
<tr>
<td>BIO 300</td>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>or BIO 320</td>
<td>Molecular Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIO 330</td>
<td>General Physiology</td>
<td>4</td>
</tr>
</tbody>
</table>

**Semester Hours:** 17

#### Second Semester Junior

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 310</td>
<td>Teaching Science in Secondary Schools</td>
<td>4</td>
</tr>
<tr>
<td>EDU 451</td>
<td>Secondary Classroom Management</td>
<td>3</td>
</tr>
<tr>
<td>BIO 228</td>
<td>Biology of Plants</td>
<td>4</td>
</tr>
<tr>
<td>or MAR327</td>
<td>Marine Botany</td>
<td>4</td>
</tr>
</tbody>
</table>

Ecology choice (choose one: BIO 212#, 242#, 346*, 400*, MAR 222*, 301*) ................................................4

**Semester Hours:** 15

#Course offered in fall only.

*Course offered in spring only.

+Requires selection of MAR 222 from the ecology elective area. MAR 327 cannot serve as an organismal elective if taken in substitution for BIO 228.

### Year 4

#### First Semester Senior

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 333</td>
<td>Teaching in the Inclusive Classroom</td>
<td>3</td>
</tr>
<tr>
<td>EDU 401</td>
<td>Teacher Practicum II Sec</td>
<td>4</td>
</tr>
<tr>
<td>EDU 442</td>
<td>Learner Diversity and Cross-Cultural Understanding</td>
<td>3</td>
</tr>
</tbody>
</table>

Organismal choice (choose one: BIO 220#, 224, 225*, 250#, 317*, 340*, MAR 226#, 327#) ................................................4

Molecular/Cell choice (choose one:BIO 307#, 310*, 350*, 360*) ................................................4

**Semester Hours:** 18

#### Second Semester Senior

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 407</td>
<td>Teaching Practicum III: Secondary</td>
<td>10</td>
</tr>
<tr>
<td>EDU 444</td>
<td>Teaching Practicum III Seminar</td>
<td>2</td>
</tr>
</tbody>
</table>

**Semester Hours:** 12

#Course offered in fall only.

*Course offered in spring only.

+Requires selection of MAR 222 from the ecology elective area. MAR 327 cannot serve as an organismal elective if taken in substitution for BIO 228.

Depending on when courses are offered, the biology, ecology, organismal, and molec/cell suggested sequence during junior and senior years may be altered to fit the student’s needs.

Depending on when courses are offered, the liberal arts requirements during the sophomore and freshman years may be altered to fit the student’s needs; however,
all education courses should remain in the suggested course sequence.

It is the student’s responsibility to meet all institutional requirements for Florida teacher certification. Every effort should be made to take the courses in the semester sequence outlined above. Failure to do so may result in a lengthening of the undergraduate program, postponing the anticipated date of graduation. Please note that some courses must be taken concurrently with others to fulfill all requirements.

**Secondary English Education Major**

Secondary English education majors earn certification in English for grades 6-12. Students also will earn the necessary ESOL endorsement required by the state of Florida to teach in public schools. English education majors are required to take all of the secondary education courses listed earlier in this section and the following 32 hours of English courses.

**Year 1**

**First Semester Freshman**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 200</td>
<td>Foundations of American Education</td>
</tr>
<tr>
<td>ENG 101</td>
<td>Composition and Rhetoric I</td>
</tr>
<tr>
<td>GIS 101</td>
<td>Global Issues</td>
</tr>
<tr>
<td>GTW 100</td>
<td>Gateways</td>
</tr>
<tr>
<td>MAT 153</td>
<td>Geometry</td>
</tr>
</tbody>
</table>

**Second Semester Freshman**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 201</td>
<td>Learning Theories and Individual Differences</td>
</tr>
<tr>
<td>BIO 112 or 124, or MAR 126</td>
<td></td>
</tr>
<tr>
<td>ENG 102</td>
<td>Composition and Rhetoric II</td>
</tr>
<tr>
<td>GTW 102</td>
<td>Gateways</td>
</tr>
<tr>
<td>MAT 155, 160 or higher</td>
<td></td>
</tr>
<tr>
<td>Physical or Chemical Science</td>
<td></td>
</tr>
</tbody>
</table>

**Year 2**

**First Semester Sophomore**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 203</td>
<td>Technology in Education</td>
</tr>
<tr>
<td>Social Science Choice</td>
<td></td>
</tr>
<tr>
<td>Humanities Choice</td>
<td></td>
</tr>
<tr>
<td>ENG 201</td>
<td>World Literature</td>
</tr>
<tr>
<td>ENG 206, 207, 208 or 209</td>
<td></td>
</tr>
</tbody>
</table>

**Second Semester Sophomore**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Science Choice</td>
<td></td>
</tr>
<tr>
<td>Humanities Choice</td>
<td></td>
</tr>
<tr>
<td>Social Science Choice</td>
<td></td>
</tr>
<tr>
<td>ENG literature course choice</td>
<td></td>
</tr>
<tr>
<td>at 300 level</td>
<td></td>
</tr>
</tbody>
</table>

**Year 3**

**First Semester Junior**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fine Arts Choice (art, music dance, drama)</td>
<td></td>
</tr>
<tr>
<td>EDU 301</td>
<td>Teaching Practicum I: TESOL</td>
</tr>
<tr>
<td>EDU 354</td>
<td>Secondary TESOL I</td>
</tr>
<tr>
<td>EDU 306#</td>
<td>Teaching Reading in Secondary Content</td>
</tr>
<tr>
<td>EDU 356#</td>
<td>Secondary Educational Assessment</td>
</tr>
<tr>
<td>ENG 206, 207, 208 or 209</td>
<td></td>
</tr>
</tbody>
</table>

**Second Semester Junior**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 300*</td>
<td>Secondary Methods of Teaching English</td>
</tr>
<tr>
<td>EDU 451*</td>
<td>Secondary Classroom Management</td>
</tr>
</tbody>
</table>
Secondary Mathematics Education Major

Secondary mathematics education majors will earn certification in mathematics for grades 6-12. Students also will earn the necessary ESOL endorsement required by the state of Florida to teach in public schools. Mathematics education majors are required to take all of the secondary education courses listed earlier in this section and the following 40 hours of mathematics courses.

MAT 260 Calculus I.................4
MAT 261 Calculus II..................4
MAT 262 Calculus III...............4
MAT 299 Intro to Higher Math......4
MAT 310 Probability and Mathematical Statistics......4
MAT 490 Senior Seminar...............1

Choose one of the following:...........4
MAT 308 Linear Algebra...............4
MAT 420 Modern Abstract Algebra...4

Choose three of the following:........12
MAT 300 Differential Equations......4
MAT 301 Discrete Math...............4
MAT 401 Real Analysis...............4
MAT 410 Complex Analysis............4
MAT 499 Selected Topics...............4

Total Mathematics Hours: 37

Secondary Mathematics Education Course Sequence

Year 1

First Semester Freshman
EDU 200 Foundations of American Education...............3
ENG 101 Composition and Rhetoric I..................4
GIS 101 Global Issues...............4
GTW 100 Gateways ................1
MAT 260 Calculus I..................4

Semester Hours: 16

Second Semester Freshman
EDU 201 Learning Theories and Individual Differences........3
EDU 203 Technology in Education...3
BIO 112, 124, or MAR 126.............3
ENG 102 Composition and Rhetoric II .............4
GTW 102 Gateways ................1
MAT 261 Calculus II..................4

Semester Hours: 17

Year 2

First Semester Freshman
EDU 200 Foundations of American Education...............3
ENG 101 Composition and Rhetoric I..................4
GIS 101 Global Issues...............4
GTW 100 Gateways ................1
MAT 260 Calculus I..................4

Semester Hours: 16

Second Semester Freshman
EDU 201 Learning Theories and Individual Differences........3
EDU 203 Technology in Education...3
BIO 112, 124, or MAR 126.............3
ENG 102 Composition and Rhetoric II .............4
GTW 102 Gateways ................1
MAT 261 Calculus II..................4

Semester Hours: 17

Year 3

First Semester Freshman
EDU 200 Foundations of American Education...............3
ENG 101 Composition and Rhetoric I..................4
GIS 101 Global Issues...............4
GTW 100 Gateways ................1
MAT 260 Calculus I..................4

Semester Hours: 16

Second Semester Freshman
EDU 201 Learning Theories and Individual Differences........3
EDU 203 Technology in Education...3
BIO 112, 124, or MAR 126.............3
ENG 102 Composition and Rhetoric II .............4
GTW 102 Gateways ................1
MAT 261 Calculus II..................4

Semester Hours: 17

Year 4

First Semester Senior
EDU 333 Teaching in the Inclusive Classroom ..............3
EDU 401 Teaching Practicum II Secondary..................4
EDU 404 TESOL II..........................3
EDU 442 Learner Diversity and Cross-Cultural Understanding........3
ENG literature course choice at 300 level.................4

Semester Hours: 17

Second Semester Senior
EDU 407 Teaching Practicum III: Secondary................10
EDU 444 Teaching Practicum III Seminar .................2

Semester Hours: 12

This is the suggested course sequence. The education classes should remain as suggested. All other English courses can be re-arranged to fit the student’s needs. Please note that some courses are offered every other year only. Please refer to the UT Catalog for specifics.

It is the student’s responsibility to meet all institutional requirements for Florida teacher certification. Every effort should be made to take the courses in the semester sequence outlined above. Failure to do so may result in a lengthening of the undergraduate program, postponing the anticipated date of graduation. Please note that some courses must be taken concurrently with others to fulfill all requirements.

Secondary Mathematics Education Major

Secondary mathematics education majors will earn certification in mathematics for grades 6-12. Students also will earn the necessary ESOL endorsement required by the state of Florida to teach in public schools. Mathematics education majors are required to take all of the secondary education courses listed earlier in this section and the following 40 hours of mathematics courses.

MAT 260 Calculus I.................4
MAT 261 Calculus II..................4
MAT 262 Calculus III...............4
MAT 299 Intro to Higher Math......4
MAT 310 Probability and Mathematical Statistics......4
MAT 490 Senior Seminar...............1

Choose one of the following:...........4
MAT 308 Linear Algebra...............4
MAT 420 Modern Abstract Algebra...4

Choose three of the following:........12
MAT 300 Differential Equations......4
MAT 301 Discrete Math...............4
MAT 401 Real Analysis...............4
MAT 410 Complex Analysis............4
MAT 499 Selected Topics...............4

Total Mathematics Hours: 37
Year 2

First Semester Sophomore
- Fine Arts Choice (art, music, dance, drama) ........................................ 3-4
- Social Science Choice ................................................................. 4
- Humanities Choice ................................................................. 4
- Physical or Chemical Science .................................................. 3
- MAT 262# Calculus III ............................................................... 4

Semester Hours: 18

Second Semester Sophomore
- Social Science Choice ............................................................... 4
- Humanities Choice ................................................................. 4
- Social Science Choice ............................................................... 4
- MAT 299* Introduction to Higher Math ....................................... 4

Semester Hours: 16

#Course offered in fall only.
*Course offered in spring only.

Year 3

First Semester Junior
- EDU 354 Secondary TESOL I ..................................................... 3
- EDU 306# Teaching Reading in Secondary Content ..................... 3
- EDU 356# Secondary Educational Assessment ............................ 3
- MAT 310** Probability and Statistics .......................................... 3
- Choose one: MAT 300, 301, 401, 410, or 499 ........................ 4

Semester Hours: 17

Second Semester Junior
- EDU 311* Technology Math in Secondary Schools ....................... 4
- EDU 451* Secondary Classroom Management .............................. 4
- MAT 308** Linear Algebra .......................................................... 4
- or MAT 420 Modern Abstract Algebra
- Choose one: MAT 300, 301, 401, 410, or 499 ........................ 4

Semester Hours: 15

#Course offered in fall only.
*Course offered in spring only.
**Important note: Course offered only once every two years (be careful).

Year 4

First Semester Senior
- EDU 333 Teaching in the Inclusive Classroom ............................. 3
- EDU 401 Teaching Practicum II Secondary .................................. 4
- EDU 442 Learner Diversity and Cross-Cultural Understanding ........ 3
- Choose one: MAT 300, 301, 401, 410, or 499 ........................... 4
- MAT 490 Senior Seminar ......................................................... 1

Semester Hours: 15

Second Semester Senior
- EDU 407 Teaching Practicum III: Secondary Final Internship ....... 10
- EDU 444 Teaching Practicum III Seminar .................................... 2

Semester Hours: 12

This is the suggested course sequence. The education classes should remain as suggested. All other courses can be re-arranged to fit the student's needs. Keep in mind that many MAT courses have pre-requisites and are offered only once every two years.

It is the student's responsibility to meet all institutional requirements for Florida teacher certification. Every effort should be made to take the courses in the semester sequence outlined above. Failure to do so may result in a lengthening of the undergraduate program, postponing the anticipated date of graduation. Please note that some courses must be taken concurrently with others to fulfill all requirements.

Secondary Social Science Education Major

Secondary social science education majors earn certification in social science for grades 6-12. Students also earn the necessary ESOL endorsement required by the state of Florida to teach in public schools. Social science education majors are required to take all of the secondary education courses listed earlier in this section and the following 39 hours of social science courses.

- PSY 200 General Psychology .................................................. 4

Government
- Choose one: 200, 202, 210, 220 or 402 ..................................... 4

Economics
- Choose one: 204 or 205 ......................................................... 3
World History
Choose one: HIS 102 or HIS 103............4
Choose one: 214, 222, 224, 230, 260,
300, 305, 309, 310, 413 or
4414 ...........................................4

American History
Choose one: HIS 202 or HIS 203............4
Choose one: 205, 206, 215, 216, 225,
296 or 321 ....................................4
Choose one history course from the following
areas: ............................................4
Asian .............................................4
African ..........................................4
Latin American ...............................4
Middle Eastern ................................4
Choose one of the following
gEO courses: ..................................4
GEO 102 World Geographical
Problems ......................................4
GEO 202 Physical Geography .............4
GEO 205 Principles of Resource
Utilization .................................4
GEO 207 Economic Geography ...........4

History choice:
Choose one 300+ history course that is not in
conflict with any above choices........4

Total Social Science Hours: 39

Secondary Social Science Education
Course Sequence
Year 1
First Semester Freshman
EDU 200 Foundations of American
Education ..................................3
ENG 101 Composition and
Rhetoric I ................................4
GIS 101 Global Issues ...................4
GTW 100 Gateways ......................1
MAT 155 Finite Mathematics for
Liberal Arts ..............................4
or
MAT 160 College Algebra .............4
Semester Hours: 16

Second Semester Freshman
EDU 201 Learning Theories and
Individual Differences ..................3
BIO 112, 124, or MAR 126 ............3
ENG 102 Composition and
Rhetoric II ...............................4
GTW 102 Gateways ......................1

MAT 153 College Geometry ............2
Fine Arts choice (art, music,
dance, drama) .............................3

Semester Hours: 16

Year 2
First Semester Sophomore
Humanities choice ..........................4
Physical or Chemical Science ............3
HIS World History Choice: 102,
103, 110, 214, 222, 224, 230, 260,
300, 305, 309, 310, 413 or 414 ..........4
PSY 200 General Psychology ..........4
Semester Hours: 15

Second Semester Sophomore
EDU 203 Technology in Education ...3
Humanities Choice ..........................4
HIS World History Choice: 102,
103, 110, 214, 222, 224, 230, 260,
300, 305, 309, 310, 413 or 414 ..........4
American Government Choice: 200*,
202, 203, 210, 220 or 402 ...............4
Semester Hours: 14

*Course offered in the spring only.

Year 3
First Semester Junior
EDU 354 Secondary TESOL I ..........3
EDU 306# Teaching Reading in
Secondary Content .....................3
EDU 356# Secondary Educational
Assessment ................................3
HIS U.S. History Choice: 202, 203,
205, 206, 215, 216, 225, 296
or 321 .........................................4
ECO 204 or 205 Economics ..........3
Semester Hours: 16

Second Semester Junior
EDU 308* Sec. Methods ................4
EDU 451* Secondary Classroom
Management ..........................3
HIS U.S. History Choice: 202, 203,
205, 206, 215, 216, 225, 296 or 321...4
HIS Choice (Asian, African, Latin
American or Middle Eastern) ............4
Semester Hours: 15

#Course only offered in fall.
*Course only offered in spring.
Year 4

First Semester Senior
EDU 333 Teaching in the Inclusive Classroom ..................3
EDU 401 Teaching Practicum II Secondy ......................4
EDU 442 Learner Diversity and Cross-Cultural Understanding ...................3
GEO Choose one (102#, 202#, 205#, 207*) ..................4
HIS Choice (300-400 level) .......................4

Semester Hours: 18

Second Semester Senior
EDU 407 Teaching Practicum III ..................................10
EDU 444 Teaching Practicum III Seminar ....................2

#Course offered in fall only.
*Course offered in spring only.

This is the suggested course sequence. The education classes should remain as suggested. All other social science courses can be re-arranged to fit the student’s needs.

It is the student’s responsibility to meet all institutional requirements for Florida teacher certification. Every effort should be made to take the courses in the semester sequence outlined above. Failure to do so may result in a lengthening of the undergraduate program, postponing the anticipated date of graduation. Please note that some courses must be taken concurrently with others to fulfill all requirements.

Music Education

Students who seek teacher certification in music should refer to the music section of this catalog for all required music courses and the following education course sequence.

Secondary and K-12 Music Education Course Sequence

Year 1

First Semester Freshman
EDU 200 Foundations of American Education ..................3
ENG 101 Composition and Rhetoric I .........................4
GIS 101 Global Issues ..................................4
GTW 100 Gateways ......................................1

ITM 200 Introduction to Computers .......................1
MAT 155 Finite Math ..................................4
or
MAT 160 College Algebra .......................4

Semester Hours: 17

Second Semester Freshman
EDU 201 Learning Theories and Individual Differences ...........3
BIO 112, 124 or MAR 126 ..................................3
ENG 102 Composition and Rhetoric II ......................4
GTW 102 Gateways ..................................1
MAT 153 College Geometry .......................2

Semester Hours: 13

Year 2

First Semester Sophomore
Fine Arts Choice (Music, Art, Dance or Drama) ...............3
Social Science Choice ..................................4
Humanities Choice ..................................4
Physical or Chemical Science .......................3

Semester Hours: 14

Second Semester Sophomore
Social Science Choice ..................................4
Humanities Choice ..................................4
Social Science Choice ..................................4
Plus courses required for music major

Semester Hours: 12

Secondary and K-12 Music Education Course Sequence

Year 3

First Semester Junior
EDU 354 Secondary TESOL I ...................3
EDU 306# Teaching Reading in Secondary Content ...............3
EDU 328 Teaching Music in the Elementary School (Music only) ..........2

Plus courses required for music major

EDU Semester Hours: 8

#Course offered in the fall only.

Second Semester Junior
EDU 424* Secondary Methods ........ 3-4
EDU 356 Secondary Educational Assessment ....................3
EDU 451 Secondary Classroom Management .....................3
Plus courses required for music major

EDU Semester Hours: 9

*Course offered in the spring only.

Year 4

First Semester Senior
EDU 333 Teaching in the Inclusive Classroom .....................3
EDU 442 Learner Diversity and Cross-Cultural Understanding .....................3
EDU 407 Teaching Practicum III Final Internship ..........10
EDU 444 Teaching Practicum III Seminar .....................2
Plus courses required for music major

EDU Semester Hours: 6

Second Semester Senior
EDU 444 Teaching Practicum III: Seminar Final Internship ...2
One of the following Teaching Practica:
EDU 406 Teaching Practicum III: Elementary and Secondary (Music and PE K-12)Final Internship .....................10

EDU Semester Hours: 12

It is the student's responsibility to meet all institutional requirements for Florida teacher certification. Every effort should be made to take the courses in the semester sequence outlined above. Failure to do so may result in a lengthening of the undergraduate program postponing the anticipated date of graduation. Note in the catalog that some courses must be taken concurrently with others to fulfill all requirements.

Physical Education
Students who seek teacher certification in physical education (K-12) should refer to the exercise science section of this catalog and the following course sequence.

Physical Education (K-12) Course Sequence

Year 1

First Semester Freshman
EDU 200 Foundations of American Education .....................3
ENG 101 Composition and Rhetoric I .....................4
GIS 101 Global Issues .....................4
GTW 100 Gateways .....................1
MAT 155 Finite Mathematics for Liberal Arts .....................4

or
MAT 160 College Algebra .....................4
ITM 200 Introduction to Computers .....................1

Semester Hours: 17

Second Semester Freshman
EDU 201 Learning Theories and Individual Differences .....................3
BIO 112, 124, or MAR 126 .....................3
ENG 102 Composition and Rhetoric II .....................4
GTW 102 Gateways .....................1
MAT 153 College Geometry .....................2

Semester Hours: 13

Year 2

First Semester Sophomore
Art, Music, Drama or Dance Course 3-4
Social Science Choice .....................4
Humanities Choice .....................4
Physical or Chemical Science .....................3

Semester Hours: 14-15

Second Semester Sophomore
Social Science Choice .....................4
Humanities Choice .....................4
Social Science Choice .....................4
Plus courses required for PE major

Semester Hours: 12

Year 3

First Semester Junior
EDU 354 Secondary TESOL I .....................3
EDU 306# Teaching Reading in Secondary Content .....................3
EDU 425# Secondary Methods .....................4
Plus courses required for PE major

Semester Hours: 10
Second Semester Junior
EDU 329  Teaching PE and Health in Elementary School .......... 3
Plus courses required for PE major
Semester Hours: 3

# Course offered in fall only

Year 4
First Semester Senior
EDU 354  Secondary Classroom Management ................. 3
EDU 442  Learner Diversity and Cross-Cultural Understanding .......... 3
Plus courses required for PE major
Semester Hours: 6

Second Semester Senior
EDU 412  Teaching Practicum III: Final Internship ........... 10
EDU 444  Teaching Practicum III Seminar ................. 2
Semester Hours: 12

It is the student’s responsibility to meet all institutional requirements for Florida teacher certification. Every effort should be made to take the courses in the semester sequence outlined above. Failure to do so may result in a lengthening of the undergraduate program, postponing the anticipated date of graduation. Please note that some courses must be taken concurrently with others to fulfill all requirements.

Master of Arts in Teaching, Master of Education
See Graduate Programs chapter.

Department of Government, History and Sociology
Faculty: Associate Professor Beckman, Chair; Professors Botjer, Harf, Kerstein, Parssinen, Rynder, N. Winston, Tillson; Associate Professors Friesen, Paine; Assistant Professors Anderson, Cragun, Emrence, Fridy, Littell-Lamb, Rost-Rublee; Instructors Bonavita, Law, Rublee.

Government and World Affairs
Government and world affairs analyzes the varied applications of political authority here in the United States and around the world to allocate valued resources for local and global society. Through a set of core courses, a focus on one of four substantive concentrations, and optional internships in Florida, Washington and around the globe, government and world affairs students develop political awareness and understanding, as well as the critical thinking and research skills that allow them to participate effectively as citizens in a rapidly globalizing world.

Each student takes the required core and then chooses one of four concentrations: American government, law and government, world affairs, or general government and world affairs.

Total Credit Hours for Major: 40
Requirements for a major in government and world affairs:

Core
GWA 100  Introduction to Government and World Affairs ................. 4
GWA 200  American Government ........... 4
GWA 201  World Affairs ................. 4
GWA 270  Research Methods .............. 4
Semester Hours: 16

Concentrations
Students choose one of four areas of concentration to complete their majors:

A. American Government:
Students select 24 credit hours from the following. At least 16 credit hours must be taken at the 300 level or above.
GWA 204  Introduction to Law and the Legal System .............. 4
GWA 207  The Urban World ............ 4
(cross-listed with SOC 200)
GWA 210  Urban Politics and Policy ... 4
GWA 220  Congress and the Presidency .............. 4