

**ALTERNATIVE FIFTH-YEAR PROGRAM
MASTER OF SCIENCE IN EDUCATION
MAJOR: SECONDARY EDUCATION
TEACHING FIELD: BIOLOGY (6-12)**

Core Requirements (32 semester hours):

ESE 500	Research and Statistics in Secondary Education (3)
ESE 505	Education Methods, Assessment and Technology in Secondary Schools (3)
ESE 510	Secondary Practicum One and Tutoring Lab (2)
ESE 523	Methods of Teaching Biology and General Science (3)
ESE 534	Secondary Practicum Two (3)
ESE 561	Foundations of Secondary Education (3)
ESE 567	Literacy Theory and Practice (3)
ESE 573	Critical Inquiry in Biology and General Science (3)
SPE 500	Survey Course in Special Education (3)
*ED 595	Internship in Education (3)
ED 596	Reflective Practices in Education (3) (Must be taken concurrently with ED 595.)

Teaching Field Requirement (15 semester hours):

By faculty advisement, select 15 graduate semester hours in biology or marine biology. At least half of the 15 semester hours selected must be numbered at the 500 level. A student may transfer no more than three semester hours in the teaching field. This major requires a minimum GPA of 3.0 in the course work in the teaching field. Transfer credit cannot be used to raise the GPA in this teaching field course work to the required 3.0.

*ED 595, Internship in Education, is equivalent to undergraduate student teaching and requires a semester long internship in the public schools. This must be scheduled during the last semester of course work.

47 Graduate Semester Hours Required for this Degree

Undergraduate Requirements:

ED 300	Introduction to Teacher Education (2)
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Students must have earned an undergraduate degree in biology OR complete 32 semester hours of undergraduate course work in biology with a minimum of 19 semester hours at the 300-400 levels OR pass the appropriate Praxis II content exam.

Students must have the approval of their advisers in the College of Education and Professional Studies BEFORE registering for undergraduate course work required to meet the undergraduate requirements/deficiencies specified for the degree.

**49-79 Total Undergraduate and Graduate Semester Hours
Required for this Degree**

Continued on next page.

Notes:

Students must meet eligibility requirements for the alternative fifth-year teacher certification program. Completion of this program leads to eligibility for fifth-year (master's) teacher certification in biology (6-12).

Successful completion of the appropriate Praxis II examination(s) is required prior to internship for all alternative fifth-year programs.

Candidates eligible (to enroll in courses in a Class A teaching field program) may complete no more than five approved program courses prior to unconditional admission to the program (this includes transfer credit). Exceptions to this rule must be approved by the Dean of the College of Education and Professional Studies and the Dean/Associate Dean of Graduate Studies.

Successful completion of the appropriate Praxis II examination(s) is required prior to internship for all alternative fifth-year programs.

Successful completion of the appropriate Praxis II content exam will satisfy the 32/19 content area requirement and/or the 4 x 12 requirement in all Fifth Year Alternative programs. Please see your academic advisor for more information concerning this option.