

DEPARTMENT OF ENVIRONMENTAL SCIENCES

Previous Degree Requirements: Bachelor of Science in Biology

The Department of Environmental Sciences offers a BS in Biology with a concentration in **Ecology and Organismal Biology**. The degree offers broad training in biology that prepares students for admission to graduate or medical school, licensure examinations for secondary school science teachers, and employment in a wide range of life sciences fields.

Requirements Specific to BS Biology Major:

EEES 2150	Biodiversity	
EEES 2160	Biodiversity Laboratory	1
BIOL 2170	Fundamentals of Life Science II	4
BIOL 3010	Molecular Genetics	3
BIOL 3030	Cell Biology	3
EEES 3050	Ecology	3
EEES 3060	Ecology Laboratory	1
EEES 3900	Literature and Communication in Environmental Science	3
EEES 4150	Evolution	3

ES Elective courses (9 hours)

9 additional hours from ES elective courses, to include at least one advanced laboratory.

EEES 4250	Soil Ecology
EEES 4260	Soil Ecology Laboratory
EEES 4300	Field Botany
EEES 4330	Vertebrate Ecology

EEES 4510	Environmental Microbiology
EEES 4730	Aquatic Ecology
EEES 4740	Aquatic Ecology Laboratory
EEES 4750	Conservation Biology
EEES 4760	Landscape Ecology
EEES 4790	Ecology Field Trip
EEES 4910	Undergraduate Research
EEES 4940	Internship

Additional Required Courses

MATH 1750 and 1760	Math for Life Sciences	7
PHYS 2070 and 2080	General Physics	10
CHEM 1230, 1240, 1280, 1290	General Chemistry	10
CHEM 2410, 2420, 2460	Organic Chemistry	7

College & University Requirements

All Students majoring in this program must fulfill the following requirements, in addition to requirements specific to their major:

1. Distributive Requirements

- 15 semester hours of courses in the Humanities (choose from History, English above 2000, Foreign language above 2150, Music, Theatre, Art, Philosophy, Religion). The 15 hours must include a History course, a Fine Arts course (music, art, theatre) and an English literature course.
- 9 semester hours in the Social Sciences (choose from Geography & Planning, Political Science, Communications, Sociology, Anthropology, Psychology, Economics)

2. Foreign Language Requirement

- Pass the 2150 course in a foreign language

3. Multicultural Requirement

- Pass at least one U.S. multicultural course and one non-Western multicultural course (see course list in the combined schedule of classes)

4. WAC Requirement

- Pass two WAC (writing-intensive) courses; one must be in the major field of study. Biology majors will satisfy the major field WAC requirement by taking EEES 3900.

5. Pass at least 64 hours of courses 2000 and above, of which at least 32 must be at the 3000 or 4000 level.

6. Maintain at least a 2.0 grade point average overall, as well as in the major field.

7. Pass at least 124 hours of non-developmental courses (*e.g., Math 0910, 0950, 0980 and 0990 are developmental courses and do not count toward graduation; only 3 of the 5 credit hours for English 1100 count toward graduation*)

For more information, contact:

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