Additional Information

For additional information about the Ecology and Field Biology Concentration, facilities, faculty, and course offerings, please contact:

Department of Biological and Environmental Sciences
Troy University
213 McCall Hall (MSCX)
Troy, AL  36082
334/670-3401
ecologyandfieldbiology@troy.edu
Ecology and Field Biology Concentration at TROY

A bachelor’s degree at Troy in the Ecology and Field Biology Concentration provides the academic and field experiences necessary to prepare students for employment opportunities available in the field sciences. These jobs are available in both the public and private sectors, such as federal and state agencies and industry.

This Concentration also provides students with the background for additional graduate studies. A graduate degree in Ecology and Field Biology opens up even more career paths. Admission to graduate school is competitive and is based on a number of factors including undergraduate GPA (grade point average) as well as GRE (Graduate Record Exam) scores.

For the Biology electives select 12 hours (three courses with labs) from the three categories below. At least one course must be taken from each of the three categories.

**Zoology**
- Invertebrate Zoology/Lab
- Entomology/Lab
- Compar. Vert. Anat./Lab
- Ichthyology/Lab
- Herpetology/Lab
- Ornithology/Lab
- Mammalogy/Lab

**Botany**
- Plant Form & Funct./Lab
- Plant Diversity/Lab

**Ecology**
- Limnology/Lab
- Envir. Assessment/Lab
- Marsh Ecology (at DISL*)

* Dauphin Island Sea Lab

Select an additional eight hours of advisor-approved BIO or MB courses.

Troy University’s Biological and Environmental Sciences Faculty are involved in a variety of research projects. Many of these projects involve undergraduate students. Undergraduate research experience can increase a student’s chances for future employment and/or acceptance into graduate schools.

For more information on undergraduate research opportunities visit the Department’s undergraduate research page. A link is available at the Departmental Homepage (http://troy.troy.edu/artsandsciences/biologicalsciences/index.html).

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**Program of Study**

**Freshman year**

**Fall**
- Principles of Bio. & lab
- Chemistry I & lab
- Calculus
- Composition I
- Orientation

**Spring**
- Organismal Bio. & lab
- Chemistry II & lab
- General Studies
- Composition II

**Sophomore Year**

**Fall**
- General Ecology & lab
- Organic Chem. I & lab
- Literature I
- General Studies

**Spring**
- Genetics & lab
- Organic Chem. II & lab
- General Studies

**Junior Year**

**Fall**
- Population Ecology & lab
- Biology elective(s)
- Physics I & lab
- General Studies

**Spring**
- Physics II & lab
- Applied Statistics
- Biology elective(s)
- General Studies

**Senior Year**

**Fall**
- Field Botany
- Biology elective(s)
- General Studies

**Spring**
- Field Vert. Zoology
- Bio. elective/ Research

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