The School of Science and Engineering

Environmental Science

Office: 302C Dinwiddie Hall  
Phone: (504) 865-5198  
Fax: (504) 865-5199  
Websites: www.tulane.edu/~eeb/ www.tulane.edu/~eens/

Academic Advisor  
George C. Flowers, Earth & Environmental Sciences (Director)

Faculty Associates

Henry L. Bart, Ecology and Evolutionary Biology  
Jeffrey Chambers, Ecology and Evolutionary Biology  
Lee Dyer, Ecology and Evolutionary Biology  
George C. Flowers, Earth and Environmental Sciences  
Bruce Fleury, Ecology and Evolutionary Biology  
Dianne Glave, Environmental Studies  
David C. Heins, Ecology and Evolutionary Biology  
Duncan Irschick, Ecology and Evolutionary Biology  
John McLachlan, Weatherhead Distinguished Professor of Environmental Studies  
Gary L. McPherson, Chemistry  
Doug Meffert, Center for Bioenvironmental Research  
Thomas W. Sherry, Ecology and Evolutionary Biology

MAJOR

The Departments of Ecology & Evolutionary Biology (EEB) and Earth & Environmental Sciences (EES) collaborate to offer this interdisciplinary environmental science major, which provides students with broad exposure to environmental problems, as well as training in essential problem-solving skills, such as Geographic Information Systems (GIS) and Environmental Informatics (EI). The major is not unlike the majors in EES and EEB in that it requires a broad background in the natural sciences, as well as a core curriculum that familiarizes students with tools and methods. The undergraduate program is preparatory to our 4+1 M.S. degree program in environmental science. Students completing the terminal masters program should be able to enter environmental scientist positions in private industry, environmental consulting, and regulatory agencies. In addition, the major provides a strong science background for individuals seeking to practice environmental law. Students majoring in environmental science may elect to broaden their background in environmental issues by completing a coordinate major in environmental studies in the School of Liberal Arts. Course requirements for the environmental science major are given below:

I. Courses Required Outside EEB and EES (five courses)

MATH 121 Calculus I
MATH 123 Statistics for Scientists and Engineers
CHEM 107/117 General Chemistry I and General Chemistry Laboratory I
CHEM 108/118 General Chemistry II and General Chemistry Laboratory II
CHEM 241/243 Organic Chemistry I and Organic Chemistry Laboratory I

or
CHEM 250 Environmental Chemistry

II. Foundational Courses (two courses)

EBIO 101/111 Diversity of Life and laboratory  
EENS 111/113 Physical Geology and laboratory

III. Core Courses (six courses)

EBIO 205 Global Change Biology
EENS 207 Weather and Climate
EENS 310 Geomorphology
School of Science and Engineering: Environmental Science

EBIO 404/414 General Ecology
EBIO 408 Biostatistics and Experimental Design
EENS 603 Geospatial Analysis (GIS)

IV. Elective Tracks (five courses)

Ecology and Evolutionary Biology Track
- Any four EBIO courses, two of which must be designated laboratory or field courses
- Capstone experience: approved independent study (EBIO 491) or honors thesis (EBIO 499-500)

Earth and Environmental Science Track
- Any four EENS courses
- Capstone experience: approved independent study (EENS 491) or honors thesis (EENS 499-500)