

Environmental Studies/ Science Program

The Environmental Studies/Science program, which leads to a **Bachelor of Arts** degree, is multidisciplinary in nature, combining arts, humanities and sciences. It is designed to prepare students to enter a variety of environmental careers, both scientific and non-scientific in nature. The core of the major consists of the introductory Environmental Perspectives and Careers course, illustrating the diverse nature of the field and options available in environmental careers; the course entitled Environmental Problems and Solutions, which investigates solutions to environmental problems; and the Senior Culminating Experience. Students can major in either an arts and humanities oriented Environmental Studies program or a science oriented Environmental Science program. Recognizing that environmental careers require skills developed in other academic areas, ESS students in environmental studies are required to have a second major. ESS students in environmental science are required to have a minor or a second major in either Biology, Chemistry, Earth Science or Physics. Related internships are strongly recommended.

Major Program Requirements

Bachelor of Arts in Environmental Studies (30 hours from various departments; requires a second major)

Environmental Studies Core (5-7 hours)

ESS 125	Environmental Perspectives and Careers (2)
ESS 325	Environmental Problems and Solutions (2)
ESS 400	Senior Culminating Experience (1-3)

Environmental Studies Cognate Electives (23-25 hours)

3 of the following: EARTH 205, PHIL 304,	
PSCI 345, or SOC 309	(10-11)
Career-related electives*	(12-16)

Electives must be approved by the ESS chair and the chair in the second major.

Statistics (Mathematics 204 or Psychology 211), Computer Information Systems 106 and related internships are strongly recommended for graduate preparation.

Bachelor of Arts in Environmental Science (30 hours from various departments; 24 hours of cognates; requires a second major)

Environmental Studies Core (5-7 hours)

ESS 125	Environmental Perspectives and Careers (2)
ESS 325	Environmental Problems and Solutions (2)
ESS 400	Senior Culminating Experience (1-3)

Environmental Studies/Science

Environmental Science Cognate Electives (23-25 hours)

1 of the following: EARTH 205, PHIL 304,
PSCI 345, or SOC 309 (3-4)
Career-related electives* (19-22)

*Electives must be approved by the ESS chair and the chair in the second major.

Environmental Science Cognates (24 hours)

BIOL 103	Plant Biology (4)
BIOL 104	Animal Biology (4)
BIOL 217, 218	Principles of Ecology, Laboratory (3,1)
CHEM 103, 104	General Chemistry I, II (4,4)
ERTH 101	Physical Geology (4)

Statistics (Mathematics 204 or Psychology 211), Computer Information Systems 106 and related internships are strongly recommended for graduate preparation.

The semesters listed after course descriptions indicate when courses are expected to be offered. Schedules are subject to change; students should confirm semester offerings with the department when planning degree programs.

- 125. Environmental Perspectives and Careers (2).** An investigation of environmental perspectives from a variety of disciplines and their relationship to environmentally related careers. The course will include representatives from many academic departments and off-campus professionals and requires that a four-year curriculum be designed for career preparation. Spring.
- 325. Environmental Problems and Solutions (2).** An investigation of current environmental problems and possible solutions offered from different perspectives. Students will prepare a proposal dealing with a possible solution to an environmental problem. The proposal will reflect the academic interest and perspective of each student (their minor or major) and will serve as preparation for ESS 400. (Prerequisite: 125 and sophomore standing.) Spring.
- 375. Geographic Information and Positioning Systems (4).** Historical perspective of how maps are made and global positions determined and the current means of employing computer and satellite technology using geographic information systems (GIS) and global positioning systems (GPS). Three hours lecture, three hours laboratory per week. (Prerequisites: EARTH 101, MATH 115 and a 200-level Biology or Earth Science course.)
- 400. Senior Culminating Experience (1-3).** Original research writing, performance or show on an environmental issue. A formal presentation of the final product is required. (Prerequisite: 325.) Fall.

Exercise Science/Physical Education

Special and Advanced Courses

199. **Exploratory Internship (1-3).** Does not count toward a departmental major.
299. **Experimental Course (1-3).**
399. **Professional Internship (1-12).**
451. **Independent Study (1-3).** A program of supervised reading, research or work in an area of special interest to the student. (Prerequisite: written departmental permission.)
499. **Advanced Experimental Course (1-3).**

Exercise Science/Physical Education

The objective of the department of exercise science and physical education is to offer each student an experience that blends academic preparation with practical application. The professional preparation program is designed to broaden students' career opportunities by offering three majors and one minor. The program is designed to prepare students to teach (K-12), coach, assume appropriate positions in a variety of health/fitness related professions, or to continue in a specialized graduate program.

Major Program Requirements

Bachelor of Arts in Exercise Science (35 hours of Exercise Science and 19 hours of cognates)

Exercise Science Core (35 hours)

ESPE 133	American Red Cross Water Safety Instructor	(1)
ESPE 201	Red Cross First Aid and Emergency Care	(2)
ESPE 219	Care and Prevention of Athletic Injuries	(3)
ESPE 225	Anatomy	(3)
ESPE 230	Motor Learning and Development	(3)
ESPE 250	Human Physiology	(3)
ESPE 300	Kinesiology	(4)
ESPE 309	Theory and Practice	(1)
ESPE 311	Exercise Physiology	(4)
ESPE 336	Exercise Testing and Prescription	(2)
ESPE 339	Strength and Conditioning	(2)
ESPE 350	Measurement and Evaluation	(2)
ESPE 399	Internship	(3)
ESPE 404	Senior Seminar	(2)