Environmental Science

Environmental Science is concerned with the relationships between humans and the natural environment. Both of our majors, Environmental Science-Natural Science and Environmental Science-Social Science, are highly interdisciplinary and allow our students, with assistance and approval of faculty advisors, to design unique programs of study.

*The **Environmental Science-Natural Science** major will provide you with a solid background in biological, ecological, chemical, and geological principles. With this foundation, and with guidance from your faculty advisor, you will craft an individualized program of advanced courses leading to a degree tailored to your goals.*

*The **Environmental Science-Social Science** major focuses on economic, political, and sociological interactions of humans and the natural world. This major also starts with a firm foundation in chemistry, biology, and geology. With help from your faculty advisor, you will then select from a broad array of environmental science, geography, political science, economics, and sociology courses to create a major that truly reflects your interests and goals.*

There is steady demand in industry, government, education, and advocacy organizations for people trained in the environmental sciences, and our majors provide a strong background for either immediate employment or advanced study in graduate school. Dr. Hayob-Matzke, chair

Department of Earth & Environmental Sciences

Jepson Science Center

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New students considering a major in Environmental Science should select **EESC 110**, either **BIOL 121 or BIOL 125**, and perhaps **EESC 111** their first semester. It is strongly suggested that the prospective major take **EESC 110-120 and BIOL 121-132 (or BIOL 125-126)** during their first year, and **CHEM 111-112** and **BIOL 210** (second semester) during their second year. The **EESC 111** course should also be completed either the first or second year. Note: students must take a chemistry placement test before registration to determine if they should enroll in **CHEM 101** (to prepare for CHEM 111) or **CHEM 111**; this test should be taken before the end of a student's freshman year.

Below please find some examples of first semester schedules for an environmental science major. There are many variations of a first semester schedule; the examples are just meant to help you see that there are many ways to reach the same goals.

Example 1:

Course (credits)	Requirement(s) Met
1. EESC 110 – Environmental and Ecological Systems (3)	Major, NS "extra" course
2. BIOL 121 – Biology Concepts I with Lab (4)	Major Prerequisite, NS
3. FSEM 100XX – Escaping Death: Geologic Hazards (3)	FSEM
4. EESC 111 – Our Dynamic Earth with Lab (4)	Major, NS

Example 2:

Course (credits)	Requirement(s) Met
1. EESC 110 – Environmental and Ecological Systems (3)	Major, NS "extra" course
2. FSEM 100N3 – Climate Change & Energy Resources (3)	FSEM
3. ECON 201B – Principles of Macroeconomics (3)	Major Prerequisite (Social)
4. BIOL 121 – Biology Concepts I with Lab (4)	Major Prerequisite, NS

Example 3: Athletes for varsity sports must register for the 400-level course of the sport. Practice times for varsity sports can vary, but generally speaking, athletes should allow for enough time to get to and from practice on weekdays from 3 to 6 p.m. Please check with the individual coach for your sport to verify specific practice times each semester.

Course (credits)	Requirement(s) Met
1. EESC 110 – Environmental and Ecological Systems (3)	Major, NS "extra" course
2. EESC 111 – Our Dynamic Earth with Lab (4)	Major, NS
3. FSEM 100F2 – Chemistry and War (3)	FSEM
4. BIOL 121 – Biology Concepts I with Lab (4)	Major Prerequisite, NS
5. PHYD 429 – Intercollegiate Swimming - Women (1)	Elective