School of the Environment

Environmental Studies

Bachelor of Science

The Bachelor of Science in Environmental Studies with a concentration in Natural Resource Management and Conservation provides students with the theoretical and applied knowledge and skills in ecology, conservation biology, and natural resources they need to address natural resource management and conservation issues. Required courses provide knowledge in ecology, conservation biology, statistics, and natural resource management and provide students with a solid background in both quantitative and qualitative problem-solving techniques. Students choose additional coursework in ecology, biodiversity studies, applied methods, and management of specific resources.

Let's Connect!

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Photo by Ernita Joaquin

What can I do with a BS in Environmental Studies?

Policy realm-based careers

- Researcher
- Scientist
- Analyst
- Lawyer
- Technician
- Planner
- Inspector
- Warden
- Ranger
- Sustainability Coordinator
- Organizer, activist, community organizer

Education based careers

- Teacher
- Professor
- Journalist

Business real-based careers

- Contractor
- Consultant
- Manager
- Sustainability Director
- Researcher
- Analyst

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Program Learning Outcomes

1. Demonstrate understanding of the relationships between social justice and environmental problems in local, national, and global contexts.
2. Demonstrate understanding of chemical, biological, and social processes related to environmental problems and the ability to integrate these with the understandings and critical evaluations of descriptive statistics commonly used in environmental literature.
3. Communicate clearly and accurately both orally and in writing and be able to conduct research appropriate to the area of emphasis.
4. Demonstrate a basic understanding of civic activities and processes, and of methods of engagement in those processes.
5. Demonstrate readiness to enter the professional job market by preparing/training students in developing appropriate job market skills (e.g., resume and cover letter writing, interview preparation, writing well and engagingly, acquiring professional experience via internship).
6. Demonstrate understanding of ecological and conservation biology theories and how they relate to natural resource management and conservation decisions.
7. Demonstrate understanding of natural resource management techniques and approaches.

Environmental Studies (B.S.): Concentration in Natural Resource Management and Conservation — 58 units minimum

Required Courses (35-40 units)

CHEM 115 *(OR)*	General Chemistry I: Essential Concepts of Chemistry	3-4
CHEM 180	Chemistry for Energy and the Environment	
BIOL 230	Introductory Biology I	5
BIOL 240	Introductory Biology II	5
BIOL 530 *(OR)*	Conservation Biology	3-4
GEOG 657	Natural Resource Management	
ENVS 130	Environmental Studies	3
ENV 205	Our Environment through Data	3
ENVS 450	Environmental Law and Policy	3
ENV 500GW	Physical and Human Dimensions of Climate Change - GWAR	
ENVS 680	Environmental Studies Internship	1
ENVS 690	Senior Seminar in Environmental Studies	3
GEOG/ENVS 657	Natural Resource Management: Biotic Resources	4

Elective Courses (24-32 units)

Students should consult with a faculty advisor to determine which courses are most appropriate for the student's particular interests and goals.

Physical Environment	*1 class*
Sustainability & Social Justice	*1 class*
Global/ International	*1 class*
Tools/ Techniques	*1 class*
Ecology and Biodiversity	*2 classes*
Ecosystem interactions	*1 class*
Resources	*1 class*
Environmental Management and Policy	*1 class*

Scan me to see full Elective Courses list!