

ACADEMIC MAP

Environmental Health and Monitoring Concentration Environmental Science, Bachelor of Science



First Year			Third Year		
Fall			Fall		
ESCI 1401	Environmental Science I: Intro to Environmental Science	4	ESCI 3202	Professional Skills	2
GEOL 1403	Physical Geology	4	ESCI 3443	Environmental Biology	4
ENGL 1301	Writing and Rhetoric I	3	CHEM 3411	Organic Chemistry I	4
UNIV 1101	University Seminar I	1	Upper Level Designated Elective		
MATH 1442	Statistics for Life	4	HIST 1301	U.S. History to 1865	3
		Hours			16
Spring			Spring		
BIOL 1406	Biology I	4	GEOL 3443	Environmental Geology	4
CHEM 1411	General Chemistry I	4	ESCI 3351	Oceanography	3
ENGL 1302	Writing and Rhetoric II or COMM 1311 or Foundation of Communication	3	PHYS 1401	General Physics I (PHYS 2425 may be substituted.)	4
UNIV 1102	University Seminar II	1	HIST 1302	U.S. History Since 1865	3
Social and Behavioral Sciences Core Requirement		3	Designated Elective		2
		Hours			16
Second Year			Fourth Year		
Fall			Fall		
BIOL 1407	Biology II	4	ESCI 4301	Environmental Regulations	3
CHEM 1412	General Chemistry II	4	ESCI 4320	Environmental Health	3
POLS 2305	U.S. Government and Politics	3	ESCI 3403	Introduction to Meteorology	4
Creative Arts Core Requirement		3	Upper Level Designated Elective		
		Hours			15
Spring			Spring		
GISC 1470	Geospatial Systems I	4	ESCI 4202	Issues in Environmental Science	2
BIOL 2421	Microbiology	4	ESCI 4335	Climate and Climate Variability	3
POLS 2306	State and Local Government	3	Upper Level Designated Elective		
Language, Philosophy & Culture Core Requirement		3	Elective (to meet 120 hrs)		
		Hours			14
			ESCI 4498 Internship in Environmental Science		
					2
			Hours		14
			Total Hours		120



CAREER MAP

Environmental Health and Monitoring Environmental Science *Bachelor of Science*



This concentration is appropriate for students planning careers in environmental health, environmental assessment and remediation, and environmental management. Students preparing for graduate school are strongly encouraged to take additional hours in consultation with their faculty mentor. The mission of the Bachelor of Science program in Environmental Science is to educate students to succeed in their chosen careers, to transfer environmental knowledge to the community and to peers, and to provide an environmentally literate workforce and citizenry. The program is intended to provide the environmental science major with a broad foundation in the sciences and mathematics, as well as specialized knowledge in Marine and Coastal Resources, Earth System Science, Environmental Health and Monitoring, Policy and Regulations, and Science Education concentration areas. The environmental science curriculum prepares students for career positions in environmental science or science education, or for further professional development.

CONTACT INFORMATION

Career Counselor:

Career and Professional Development Center
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Internship Coordinator:

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Department Contact:

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SKILLS/ATTRIBUTES

- Critical Thinking/Problem Solving
- Teamwork/Collaboration
- Professionalism/Work Ethic
- Oral/Written Communication
- Leadership
- Digital Technology
- Career Management
- Interpersonal Skills
- Self-Discipline

CAREER OPTIONS

- Environmental Specialist
- Wildlife Biologist
- Science Teacher
- Microbiologist
- Marine Biologist
- Geographer
- Environmental Chemist
- Ecologist
- Environmental Technician

INTERNSHIP INFORMATION

The program requires a minimum of 2 hours of ESCI 4498 Internship in Environmental Science (1-4 sch) to satisfy the Major Requirements; however additional hours of credit may be applied towards the Designated Electives in a Concentration Area, with approval of the student's faculty mentor.

ADDITIONAL SOURCES OF INFORMATION

1. Ecological Society of America
2. National Association of Environmental Professionals
3. Society of Women Environmental Professionals
4. National Environmental Health Association
5. National Council for Science and the Environment

STUDENT ORGANIZATIONS

- Society
 - Islander Green Team
 - Sea Turtle Club
 - Strategies for Ecology Education, Diversity and Sustainability
 - SACNAS Chapter at Texas A&M University - Corpus Christi
 - Student Council of Math and Science Teachers

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<https://www.tamucc.edu/institutional-advancement/career-center/>