CATALOG YEAR 2023-2024

ACADEMIC MAP

Environmental Health and Monitoring Concentration
Environmental Science, Bachelor of Science

FINISH IN 4

First Year

Fall		Hours
ESCI 1401	Environmental Science I: Intro to Environmental Science	4
GEOL 1403	Physical Geology	4
ENGL 1301	Writing and Rhetoric I	3
UNIV 1101	University Seminar I	1
MATH 1442	Statistics for Life	4
	Hours	**16**

Spring		
BIOL 1406	Biology I	4
CHEM 1411	General Chemistry I	4
ENGL 1302 or COMM 1311	Writing and Rhetoric II or Foundation of Communication	3
UNIV 1102	University Seminar II	1
Social and Behavioral Sciences Core Requirement		3
	Hours	**15**

Second Year

Fall		
BIOL 1407	Biology II	4
CHEM 1412	General Chemistry II	4
POLS 2305	U.S. Government and Politics	3
Creative Arts Core Requirement		3
	Hours	**14**

Spring		
GISC 1470	Geospatial Systems I	4
BIOL 2421	Microbiology	4
POLS 2306	State and Local Government	3
Language, Philosophy & Culture Core Requirement		3
	Hours	**14**

Third Year

Fall		
ESCI 3202	Professional Skills	2
ESCI 3443	Environmental Biology	4
CHEM 3411	Organic Chemistry I	4
Upper Level Designated Elective		3
HIST 1301	U.S. History to 1865	3
	Hours	**16**

Spring		
GEOL 3443	Environmental Geology	4
ESCI 3351	Oceanography	3
PHYS 1401	General Physics I (PHYS 2425 may be substituted.)	4
HIST 1302	U.S. History Since 1865	3
Designated Elective		2
	Hours	**16**

Fourth Year

Fall		
ESCI 4301	Environmental Regulations	3
ESCI 4320	Environmental Health	3
ESCI 3403	Introduction to Meteorology	4
Upper Level Designated Elective		3
Upper Level Designated Elective		2
	Hours	**15**

Spring		
ESCI 4202	Issues in Environmental Science	2
ESCI 4335	Climate and Climate Variability	3
Upper Level Designated Elective		3
Elective (to meet 120 hrs)		4
ESCI 4498	Internship in Environmental Science	2
	Hours	**14**
	Total Hours	**120**

This is not an official degree plan. It is a guideline for planning your courses. To access a copy of this academic map please visit tamucc.edu/academics/planning/academic-advising/

CAREER MAP

ENVIRONMENTAL SCIENCE- ENVIRONMENTAL HEALTH AND MONITORING CONCENTRATION

Bachelor of Science

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.
Students who wish to obtain a Bachelor of Science degree in Environmental Science may do so by following one of five concentrations: Earth Systems Science, Marine and Coastal Resources, Environmental Health and Monitoring, Policy and Regulations, and Science Education.

CONTACT INFORMATION

Career Counselor:
Career and Professional Development Center
UC 304 | 361.825.2628
career.center@tamucc.edu

Internship Coordinator:
Jennifer Smith-Engle
NRC 3503 | 361.825.2436
Jennifer.Smith-Engle@tamucc.edu

Department Contact:
Department of Physical and Environmental Sciences
NRC 3502 | 361.825.2436
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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

- Corpus Christi Student Subunit of the American Fisheries 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

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.

CAREER OPTIONS

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

SKILLS/ATTRIBUTES

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

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