

ACADEMIC MAP

Marine and Coastal Resources Concentration Environmental Science, Bachelor of Science



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



CAREER MAP

ENVIRONMENTAL SCIENCE- MARINE AND COASTAL RESOURCES 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
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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

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

SKILLS/ATTRIBUTES

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