

ACADEMIC MAP

ENVIRONMENTAL SCIENCE- MARINE AND COASTAL RESOURCES CONCENTRATION

Bachelor of Science



START HERE>

1

| SEMESTER 1 - FALL | CREDITS | COMPLETED |
|---|---------|-----------|
| ESCI 1401 ENVIRONMENTAL SCIENCE I: INTRO TO ENVIRONMENTAL SCIENCE | 4 | ✓ |
| CHEM 1411 GENERAL CHEMISTRY I | 4 | |
| MATH 1442 STATISTICS FOR LIFE | 4 | |
| UNIV 1101 UNIVERSITY SEMINAR I | 1 | |
| ENGL 1301 WRITING AND RHETORIC I | 3 | |

TOTAL CREDITS: 16

2

| SEMESTER 2 - SPRING | CREDITS | COMPLETED |
|---|---------|-----------|
| ENGL 1302 OR COMM 1311 WRITING AND RHETORIC II OR FOUNDATION OF COMMUNICATION | 3 | |
| CHEM 1412 GENERAL CHEMISTRY II | 4 | |
| GEOL 1403 PHYSICAL GEOLOGY | 4 | |
| UNIV 1102 UNIVERSITY SEMINAR II | 1 | |
| SOCIAL AND BEHAVIORAL SCIENCES CORE REQUIREMENT | 3 | |

TOTAL CREDITS: 15

YEAR 1

3

| SEMESTER 3 - FALL | CREDITS | COMPLETED |
|---|---------|-----------|
| PHYS 1401 GENERAL PHYSICS I (PHYS 2425 MAY BE SUBSTITUTED.) | 4 | |
| BIOL 1406 BIOLOGY I | 4 | |
| LANGUAGE, PHILOSOPHY & CULTURE CORE REQUIREMENT | 3 | |
| HIST 1301 U.S. HISTORY TO 1865 | 3 | |

TOTAL CREDITS: 14

4

| SEMESTER 4 - SPRING | CREDITS | COMPLETED |
|-----------------------------------|---------|-----------|
| BIOL 1407 BIOLOGY II | 4 | |
| GISC 1470 GEOSPATIAL SYSTEMS I | 4 | |
| HIST 1302 U.S. HISTORY SINCE 1865 | 3 | |
| ELECTIVE (TO MEET 120 HRS) | 4 | |

TOTAL CREDITS: 15

YEAR 2

5

| SEMESTER 5 - FALL | CREDITS | COMPLETED |
|--|---------|-----------|
| ESCI 3202 PROFESSIONAL SKILLS | 2 | |
| ESCI 3443 ENVIRONMENTAL BIOLOGY | 4 | |
| ESCI 3403 INTRODUCTION TO METEOROLOGY | 4 | |
| DESIGNATED ELECTIVE | 3 | |
| POLS 2305 U.S. GOVERNMENT AND POLITICS | 3 | |

TOTAL CREDITS: 16

6

| SEMESTER 6 - SPRING | CREDITS | COMPLETED |
|--------------------------------------|---------|-----------|
| GEOL 3443 ENVIRONMENTAL GEOLOGY | 4 | |
| POLS 2306 STATE AND LOCAL GOVERNMENT | 3 | |
| DESIGNATED ELECTIVE | 3 | |
| UPPER LEVEL DESIGNATED ELECTIVE | 4 | |

TOTAL CREDITS: 14

YEAR 3

7

| SEMESTER 7 - FALL | CREDITS | COMPLETED |
|---------------------------------|---------|-----------|
| UPPER LEVEL DESIGNATED ELECTIVE | 4 | |
| ESCI 3351 OCEANOGRAPHY | 3 | |
| UPPER LEVEL DESIGNATED ELECTIVE | 4 | |
| CREATIVE ARTS CORE REQUIREMENT | 3 | |

TOTAL CREDITS: 14

8

| SEMESTER 8 - SPRING | CREDITS | COMPLETED |
|---|---------|-----------|
| ESCI 4335 CLIMATE AND CLIMATE VARIABILITY | 3 | |
| ESCI 4202 ISSUES IN ENVIRONMENTAL SCIENCE | 2 | |
| ESCI 4301 ENVIRONMENTAL REGULATIONS | 3 | |
| UPPER LEVEL DESIGNATED ELECTIVE | 4 | |
| UPPER LEVEL DESIGNATED ELECTIVE | 2 | |
| ESCI 4498 INTERNSHIP IN ENVIRONMENTAL SCIENCE | 2 | |

TOTAL CREDITS: 16

YEAR 4

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/

120 CREDITS | FINISHED!



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

Department Contact:

Department of Physical and Environmental Sciences
NRC 3502 | 361.825.2436
jennifer.smith-engle@tamucc.edu

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 |