

# ACADEMIC MAP

## Marine Biology Track, Biology Bachelor of Science



FINISH IN



### First Year

Fall		Hours
BIOL 1406	Biology I	4
CHEM 1411	General Chemistry I	4
ENGL 1301	Writing and Rhetoric I	3
UNIV 1101	University Seminar I	1
University Core Curriculum		3

**Hours 15**

### Spring

BIOL 1407	Biology II	4
CHEM 1412	General Chemistry II	4
ENGL 1302	Writing and Rhetoric II	3
UNIV 1102	University Seminar II	1
University Core Curriculum		3

**Hours 15**

### Summer

MATH 2413	Calculus I	4
University Core Curriculum		3
University Core Curriculum		3

**Hours 10**

### Second Year

Fall		Hours
BIOL 2416	Genetics	3-4
or BIOL 2421	or Microbiology	
or BIOL 2371	or Principles of Evolution	
CHEM 3411	Organic Chemistry I	4
BIOL 2300	Science Communication	3
University Core Curriculum		3
University Core Curriculum		3

**Hours 16-17**

### Spring

CHEM 3412	Organic Chemistry II	4
BIOL 2416	Genetics	4
or BIOL 2421	or Microbiology	
or BIOL 2371	or Principles of Evolution	
University Core Curriculum		3

### Third Year

#### Fall

BIOL 2416	Genetics	3-4
or BIOL 2421	or Microbiology	
or BIOL 2371	or Principles of Evolution	
BIOL 3428	Principles of Ecology	4
BIOL Core Topical Area Requirement		4
Upper Level BIOL Elective		4

**Hours 15-16**

#### Spring

BIOL 4336	Marine Ecology	3
MAR Biol CT Core Topical Requirement		3-4
BIOL Core Topical Area Requirement		4

**Hours 10-11**

### Fourth Year

#### Fall

Biol Core Topical Requirement		4
MAR Biol CT Core Topical Requirement		3-4
Upper Level BIOL Elective		4
Math course		3

**Hours 14-15**

#### Spring

Upper Level BIOL Electives		11-14
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**Hours 11-14**

**Total Hours 120-127**

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/](http://tamucc.edu/academics/planning/academic-advising/)



# CAREER MAP

## Biology- Marine Biology Track *Bachelor of Science*



The Marine Biology track focuses on organisms in marine and coastal systems. Students choosing this track will be preparing for careers in fisheries and aquaculture, coastal/marine resource management and conservation, outdoor recreation, and aquatic science. The biology program provides diverse training for careers in the biological sciences. The biology curriculum includes content courses required for teacher certification in life science, acceptance to post-graduate studies, and pre-professional studies in preparation for admission to professional schools. Students will acquire content and skills to enter a variety of biology-related careers such as research, marine biology, wildlife and coastal management, environmental protection, laboratory technician, biotechnology industry, medical or environmental microbiology, technical writing, pharmaceutical sales, careers in the medical, dental, and allied health fields, and science education. Field and laboratory courses emphasize the development of practical skills in using special materials and equipment. Focus is on enhancement of critical thinking skills, which will prepare the student for careers in the biological sciences as well as in other general areas of employment.

### CONTACT INFORMATION

#### Career Counselor:

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

#### Internship Coordinator:

Dr. Kim Withers  
NRC 3205 | 361.825.5907  
kim.withers@tamucc.edu

#### Department Contact:

Department of Life Sciences  
NRC 3205 | 361.825.5907  
kim.withers@tamucc.edu

### CAREER OPTIONS

- Wildlife and Coastal Management
- Marine Biologist
- Fisheries Biologist
- Aquatic Ecologist
- Laboratory Technician
- Environmental Biologist
- Researcher
- Science Teacher

### ADDITIONAL PROGRAM REQUIREMENTS

1. American Fisheries Society
2. Association for the Sciences of Limnology and Oceanography
3. Society for Marine Mammalogy

### SKILLS/ATTRIBUTES

- Communication Skills
- Research
- Ability to use scientific equipment and organize and maintain accurate records.
- Aptitude for scientific inquiry and problem solving.
- Ability to organize, analyze and interpret scientific data.
- Conduct and clearly explain scientific research.
- Teamwork

### STUDENT ORGANIZATIONS

- American Cetacean Society Student Coalition
- Pre-Veterinary Society
- SACNAS Chapter at Texas A&M University - Corpus Christi
- Pre-Dental Society
- American Medical Student Association
- Sea Turtle Club
- American Fisheries Society
- Indian Student Association
- Islander Green Team
- Health Sciences Association
- Student Council of Math and Science Teachers