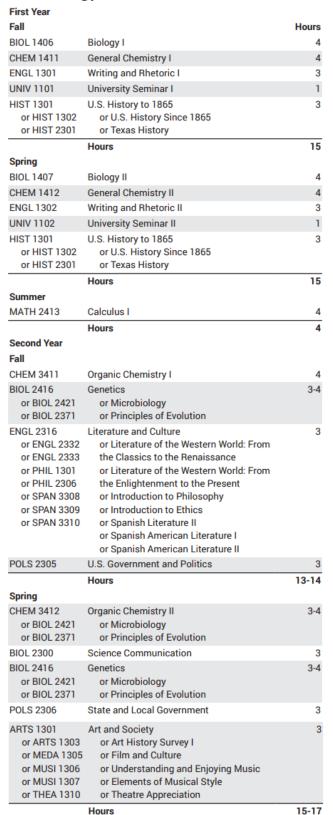
## **ACADEMIC MAP**

# Organismal-Animal Biology Track Biology, Bachelor of Science





Third Year		
Fall		
BIOL 3428	Principles of Ecology	4
BIOL 2416	Genetics	4
or BIOL 2421	or Microbiology	
or BIOL 2371	or Principles of Evolution	
BIOL 4315	Animal Behavior	3
BIOL 3413	Invertebrate Zoology	4
	Hours	15
Spring		
BIOL 3414	Vertebrate Zoology	4
BIOL 2472	Principles of Botany	4
Biology Requirement		4
MATH 3342	Applied Probability and Statistics	3
or BIOL 3325	or Biostatistics	
BIOL 3000:4999		3
	Hours	18
Fourth Year		
Fall		
BIOL 3000:4999		3
ECON 1301	Introduction to Economics	3
or ECON 2301	or Macroeconomics Principles	
or ECON 2302	or Microeconomics Principles	
or PSYC 2301	or General Psychology	
or SOCI 1301	or Introduction to Sociology	
BIOL 3000:4999		3
BIOL 3000:4999		3
BIOL 3000:4999		3
	Hours	15
Spring		
Biology Requirement		4
BIOL 3000:4999		4
BIOL 3000:4999		4
BIOL 3000:4999		4
	Hours	16
	Total Hours	126-129



# **CAREER MAP**





## **BIOLOGY - ORGANISMAL - ANIMAL BIOLOGY TRACK**

## Bachelor of 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 preprofessional 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. The undergraduate biology degree has six tracks, fitting a wide variety of student interests and career goals. These tracks include: Cellular & Molecular Biology, Ecology, Integrative Biology, Marine Biology, Microbiology, Organismal Biology. The biology core provides students with a broad biological background and includes coursework in four key areas:

mathematics, the chemistry of life/cell biology, form and function, and organismal biology. In each of these areas students select one course from a list of appropriate courses, depending on their interests and choice of biology career track. The biology career track areas are: (A) Ecology, (B) Marine Biology, (C) Cell/Molecular Biology, (D) Microbiology, (E) Organismal Biology and (F) Integrative Biology.

## **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

### **ADDITIONAL SOURCES OF INFORMATION**

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

## **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

CAREER OPTIONS		
Researcher	Pharmaceutical Sales	
Marine Biologist	Laboratory Technician	
Medical Microbiologist	Science Teacher	
Environmental Biologist	Wildlife and Coastal Management	
Professional School (Med s	chool, dental school,	

## **SKILLS/ATTRIBUTES**

Communication Skills

optometry, etc.)

- 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