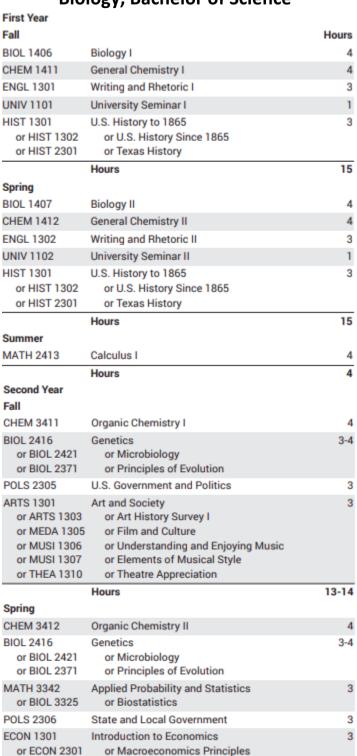
ACADEMIC MAP

Integrative Biology Track Biology, Bachelor of Science





or Microeconomics Principles

or Introduction to Sociology

or General Psychology

Hours

or ECON 2302

or PSYC 2301

or SOCI 1301



Third Year		
Fall		
BIOL 2416 or BIOL 2421 or BIOL 2371	Genetics or Microbiology or Principles of Evolution	3-4
PHYS 1401	General Physics I	4
or PHYS 2425	or University Physics I	
BIOL 3000:4999		3
Biology Requirement		
Spring	Hours	14-15
BIOL 2300	Science Communication	3
BIOL 3425	Functional Anatomy	4
PHYS 1402	General Physics II	4
or PHYS 2426	or University Physics II	
eNGL 2316 or ENGL 2332 or ENGL 2333 or PHIL 1301 or PHIL 2306 or SPAN 3307 or SPAN 3308 or SPAN 3310	Literature and Culture or Literature of the Western World: From the Classics to the Renaissance or Literature of the Western World: From the Enlightenment to the Present or Introduction to Philosophy or Introduction to Ethics or Spanish Literature I or Spanish American Literature I or Spanish American Literature II	3
	Hours	14
Fourth Year		
Fall		
BIOL 3410	Cell Biology	4
BIOL 3430	Physiology	4
Biology Requirement		4
BIOL 3000:4999		

Hours

Hours

Total Hours

Spring

BIOL 3000:4999

BIOL 3000:4999

BIOL 3000:4999

BIOL 3000:4999

BIOL 3000:4999



15

4

4

3

3

3

17

123-126

16-17

CAREER MAP

BIOLOGY - INTEGRATIVE BIOLOGY TRACK





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 school, 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