BACHELOR OF SCIENCE-BIOLOGY

Biology is the science that seeks to understand life on every level, from a strong molecular foundation up through genes, cells, tissues, organisms and beyond, to the way organisms interact in an ecosystem. We study the living world - how it changes through the process of evolution, and how living things respond to the changing climate.

The Bachelor of Science in Biology degree offers minors in chemistry, environmental sciences, and pre-health sciences programs. A minor in Biology is also offered to non-Biology majors.

A&M-Texarkana Biology graduates can pursue advanced studies in biology, medicine, law, journalism, and business, while others may go on to hold positions in environmental science, instructional positions, industrial or governmental research labs, biochemistry, food science, or pharmaceuticals.

Degree Requirements

Students should refer to their DegreeWorks degree audit in their Web for Students account for more information regarding their degree requirements.

Code	Title	Hours
Major Requirements		
General Education Requirements (http://catalog.tamut.edu/academic-information/university-core-curriculum/)		
BIOL 1306 & BIOL 1106	Biology for Science Majors I and Biology for Science Majors I Lab [1]	4
NOTE: BIOL 1406 is an equivalent transfer course for BIOL 1306 & BIOL 1106.		
BIOL 1307 & BIOL 1107	Biology for Science Majors II and Biology for Science Majors II Lab [1]	4
NOTE: BIOL 1407 is an equivalent transfer course for BIOL 1307 and BIOL 1107.		
Additional Courses in Major:		
PHYS 1301 & PHYS 1101	College Physics I and College Physics I Lab [1]	4
NOTE: PHYS 1401 is an equivalent transfer course for PHYS 1301 & PHYS 1101		
PHYS 1302 & PHYS 1102	College Physics II and College Physics II Lab [1]	4
NOTE: PHYS 1402 is an equivalent transfer course for PHYS 1302 & PHYS 1102		
BIOL 466	Evolutionary Biology	3
BIOL 481	Seminar in Biology	3
MATH 1342	Elementary Statistical Methods	3
Select 30 semester credit hours of Upper Division (300 & 400 level) Approved Biology Courses		30
Minor		
Minimum 18sch from minors listed in Catalog		18
Lower Division / Upper Division Electives as needed to reach minimum degree requirements		
Other Requirements		
CHEM 1311 & CHEM 1111	General Chemistry I and General Chemistry I (Lab) [1]	4
NOTE: CHEM 1411 is an equivalent transfer course for CHEM 1311 and CHEM 1111		
CHEM 1312 & CHEM 1112	General Chemistry II and General Chemistry II (Lab) [1]	4
NOTE: CHEM 1412 is an equivalent transfer course for CHEM 1312 and CHEM 1112		
CHEM 2423	Organic Chemistry I	4
NOTE: CHEM 2323 and CHEM 2123 combined are equivalent transfer courses for CHEM 2423		
CHEM 2425	Organic Chemistry II	4
NOTE: CHEM 2325 and CHEM 2125 combined are equivalent transfer courses for CHEM 2425		
Electives (as needed to meet minimum degree requirements including 54 semester credit hours of upper division)		
Minimum Hours for Degree		**120**

[1] Satisfies Core Curriculum (General Education) Requirements

Note: A minimum of 54 upper division hours (300 and 400 level courses) are required for this degree. Resident credit totaling 25% of the hours is required for the degree. A minimum GPA of 2.0 is required in three areas for graduation: Overall GPA, Institutional GPA, and Major GPA.

Bachelor of Science- Biology

First Year

Code	Title	Hours
Fall		**Semester Credit Hours**
ENGL 1301	Composition I requires minimum grade of 'C', Satisfies Core Curriculum	3
BIOL 1306	Biology for Science Majors I Satisfies Core Curriculum	3
BIOL 1106	Biology for Science Majors I Lab Satisfies Core Curriculum	1
HIST 1301	United States History I satisfies core curriculum	3
Creative Arts Core Curriculum Requirement (http://catalog.tamut.edu/academic-information/university-core-curriculum/)		3
UNIV 1100	University Foundations	1
Fall Total Semester Credit Hours		**14**
Spring		**Semester Credit Hours**
ENGL 1302	Composition II Requires minimum grade of 'C', Satisfies Core Curriculum	3
or ENGL 2311	Technical Writing & Communication	
BIOL 1307	Biology for Science Majors II Satisfies Core Curriculum	3
BIOL 1107	Biology for Science Majors II Lab Satisfies Core Curriculum	1
SPCH 1315	Public Speaking Satisfies Core Curriculum	3
or COMM 1307	Introduction to Mass Communication	
HIST 1302	United States History II Satisfies Core Curriculum	3
Spring Total Semester Credit Hours		**13**
Total First Year Semester Credit Hours		**27**

Second Year

Code	Title	Hours
Fall		**Semester Credit Hours**
CHEM 1311	General Chemistry I	3
CHEM 1111	General Chemistry I (Lab)	1
MATH 1342	Elementary Statistical Methods	3
PSCI 2305	U.S. Government and Politics	3
Social and Behavioral Science Core Curriculum Requirement (http://catalog.tamut.edu/academic-information/university-core-curriculum/)		3
Upper Division Biology Elective (300-400 level)		3
Fall Total Semester Credit Hours		**16**
Spring		**Semester Credit Hours**
CHEM 1312	General Chemistry II	3
CHEM 1112	General Chemistry II (Lab)	1
PSCI 2306	State and Local Government	3
Upper Division Biology Elective (300-400 level)		3
Upper Division Biology Elective (300-400 level)		3
Upper Division Biology Elective (300-400 level)		3

Spring Total Semester Credit Hours	**16**
Total Second Year Semester Credit Hours	**32**

Third Year

Code	Title	Hours
Fall		**Semester Credit Hours**
CHEM 2423	Organic Chemistry I	4
Minor Required Course	Minimum 18 semester credit hours from minor listed in catalog	3
Minor Required Course	Minimum 18 semester credit hours from minor listed in catalog	3
Upper Division Biology Elective (300-400 level)		3
Upper Division Biology Elective (300-400 level)		3
Fall Total Semester Credit Hours		**16**
Spring		**Semester Credit Hours**
CHEM 2425	Organic Chemistry II	4
Minor Required Course	Minimum 18 semester credit hours from minor listed in catalog	3
Minor Required Course	Minimum 18 semester credit hours from minor listed in catalog	3
Upper Division Biology Elective (300-400 level)		3
Upper Division Biology Elective (300-400 level)		3
Spring Total Semester Credit Hours		**16**
Total Third Year Semester Credit Hours		**32**

Fourth Year

Code	Title	Hours
Fall		**Semester Credit Hours**
PHYS 1301	College Physics I	3
PHYS 1101	College Physics I Lab	1
BIOL 466	Evolutionary Biology	3
Minor Required Course	Minimum 18 semester credit hours from minor listed in catalog	3
Upper Division Biology Elective (300-400 level)		3
Language, Philosophy and Culture Core Curriculum Requirement (http://catalog.tamut.edu/academic-information/university-core-curriculum/)		3
Fall Total Semester Credit Hours		**16**
Spring		**Semester Credit Hours**
PHYS 1302	College Physics II	3
PHYS 1102	College Physics II Lab	1
BIOL 481	Seminar in Biology	3
Upper Division Biology Elective (300-400 level)		3
Minor Required Course	Minimum 18 semester credit hours from minor listed in catalog	3
Spring Total Semester Credit Hours		**14**
Total Fourth Year Semester Credit Hours		**30**
Total Semester Credit Hours Required for Degree		**120**

Note: A minimum of 54 upper division hours (300 and 400 level courses) are required for this degree. Resident credit totaling 25% of the hours is required for the degree. A minimum GPA of 2.0 is required in three areas for graduation: Overall GPA, Institutional GPA, and Major GPA.