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 Requireme	ents (http://catalog.tamut.edu/academic-information/university-core-curriculum/)	
BIOL 1306	Biology for Science Majors I	4
& BIOL 1106	and Biology for Science Majors I Lab ¹	
NOTE: BIOL 1406 is an equ	uivalent transfer course for BIOL 1306 & BIOL 1106.	
BIOL 1307	Biology for Science Majors II	4
& BIOL 1107	and Biology for Science Majors II Lab ¹	
NOTE: BIOL 1407 is an equ	uivalent transfer course for BIOL 1307 and BIOL 1107.	
Additional Courses in Major:		
PHYS 1301	College Physics I	4
& PHYS 1101	and College Physics I Lab ¹	
NOTE: PHYS 1401 is an eq	uivalent transfer course for PHYS 1301 & PHYS 1101	
PHYS 1302	College Physics II	4
& PHYS 1102	and College Physics II Lab ¹	
NOTE: PHYS 1402 is an eq	uivalent 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 hou	urs of Upper Division (300 & 400 level) Approved Biology Courses	30
Minor		
Minimum 18sch from minors	listed in Catalog	18
Lower Division / Upper Division	on Electives as needed to reach minimum degree requirements	
Other Requirements		
CHEM 1311	General Chemistry I	4
& CHEM 1111	and General Chemistry I (Lab) 1	
NOTE: CHEM 1411 is an ed	quivalent transfer course for CHEM 1311 and CHEM 1111	
CHEM 1312	General Chemistry II	4
& CHEM 1112	and General Chemistry II (Lab) ¹	
NOTE: CHEM 1412 is an ed	quivalent transfer course for CHEM 1312 and CHEM 1112	
CHEM 2423	Organic Chemistry I	4
NOTE: CHEM 2323 and CH	IEM 2123 combined are equivalent transfer courses for CHEM 2423	
CHEM 2425	Organic Chemistry II	4
NOTE: CHEM 2325 and CH	IEM 2125 combined are equivalent transfer courses for CHEM 2425	
	minimum degree requirements including 54 semester credit hours of upper division)	
Minimum Hours for Degree	. ,	120

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 Requi	rement (http://catalog.tamut.edu/academic-information/university-core-curriculum/)	3
IS 1100	University Foundations mandatory for FTIC students only/not required for transfer students	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 Hou	urs	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

16

Total Second Year Sem	ester Credit Hours	32
Third Year		
Code	Title	Hour
Fall	•	Semeste
		Credi
		Hour
CHEM 2423	Organic Chemistry I	•
Minor Required Course	Minimum 18 semester credit hours from minor listed in catalog	
	Minimum 18 semester credit hours from minor listed in catalog	
Jpper Division Biology I		
	Elective (300-400 level)	
Fall Total Semester Cre	dit Hours	10
Spring		Semeste
		Credi
CHEM 2425	Ormania Chamietru II	Hours
Minor Dominad Course	Organic Chemistry II Minimum 18 semester credit hours from minor listed in catalog	4
	Minimum 18 semester credit hours from minor listed in catalog	;
willor nequired course		;
Upper Division Biology I		;
		;
Spring Total Semester (Total Third Year Semest	Credit Hours	
Spring Total Semester (Total Third Year Semest Fourth Year Code	Credit Hours ter Credit Hours Title	32 Hours
Spring Total Semester (Total Third Year Semest Fourth Year Code	Credit Hours ter Credit Hours Title	3: Hour Semeste
Spring Total Semester (Total Third Year Semest Fourth Year Code	Credit Hours ter Credit Hours Title	Hours Semeste Credi
Spring Total Semester (Total Third Year Semest Fourth Year Code Fall	Credit Hours ter Credit Hours Title	Hours Gemeste Credi Hours
Spring Total Semester (Total Third Year Semest Fourth Year Code Fall PHYS 1301	Credit Hours ter Credit Hours Title College Physics I	Hours Semeste Credi Hours
Spring Total Semester (Total Third Year Semest Fourth Year Code Fall PHYS 1301 PHYS 1101 BIOL 466	Credit Hours ter Credit Hours Title College Physics I College Physics I Lab Evolutionary Biology	Hour Semeste Credi Hour
Spring Total Semester (Fotal Third Year Semest Fourth Year Code Fall PHYS 1301 PHYS 1101 BIOL 466	Credit Hours ter Credit Hours Title College Physics I College Physics I Lab Evolutionary Biology	Hour Semeste Credi Hour
Spring Total Semester (Total Third Year Semest Fourth Year Code Fall PHYS 1301 PHYS 1101 BIOL 466 Minor Required Course	Credit Hours ter Credit Hours Title College Physics I College Physics I Lab Evolutionary Biology Minimum 18 semester credit hours from minor listed in catalog	Hour Gemeste Credi Hour
Fourth Year Fourth Year Fourth Year Code Fall PHYS 1301 PHYS 1101 BIOL 466 Minor Required Course Upper Division Biology	Credit Hours ter Credit Hours Title College Physics I College Physics I Lab Evolutionary Biology Minimum 18 semester credit hours from minor listed in catalog Elective (300-400 level)	Hour Gemeste Credi Hour
Fourth Year Fourth Year Code Fall PHYS 1301 PHYS 1101 BIOL 466 Minor Required Course Upper Division Biology I Language, Philosophy a	Credit Hours Title College Physics I College Physics I Lab Evolutionary Biology Minimum 18 semester credit hours from minor listed in catalog Elective (300-400 level) and Culture Core Curriculum Requirement (http://catalog.tamut.edu/academic-information/university-core-curriculum/	Hour Semeste Credi Hour
Fourth Year Fourth Year Code Fall PHYS 1301 PHYS 1101 BIOL 466 Minor Required Course Upper Division Biology I Language, Philosophy a Fall Total Semester Cree	Credit Hours ter Credit Hours Title College Physics I College Physics I Lab Evolutionary Biology Minimum 18 semester credit hours from minor listed in catalog Elective (300-400 level) and Culture Core Curriculum Requirement (http://catalog.tamut.edu/academic-information/university-core-curriculum/dit Hours	Hour Gemeste Credi Hour
Fourth Year Semester (Fotal Third Year Semester Code Fall PHYS 1301 PHYS 1101 BIOL 466 Minor Required Course Upper Division Biology Panguage, Philosophy a Fall Total Semester Cree	Credit Hours ter Credit Hours Title College Physics I College Physics I Lab Evolutionary Biology Minimum 18 semester credit hours from minor listed in catalog Elective (300-400 level) and Culture Core Curriculum Requirement (http://catalog.tamut.edu/academic-information/university-core-curriculum/dit Hours	Hours Gemeste Credi Hours) 10 Gemeste Credi
Fourth Year Semester (Total Third Year Semester (Fourth Year Semester Code Fall PHYS 1301 PHYS 1101 BIOL 466 Minor Required Course Upper Division Biology (Language, Philosophy a Fall Total Semester Crees	Credit Hours ter Credit Hours Title College Physics I College Physics I Lab Evolutionary Biology Minimum 18 semester credit hours from minor listed in catalog Elective (300-400 level) and Culture Core Curriculum Requirement (http://catalog.tamut.edu/academic-information/university-core-curriculum/dit Hours	Hours Gemeste Credi Hours
Fourth Year Semester (Fourth Year Semester Courth Year Semester Code Fall PHYS 1301 PHYS 1101 BIOL 466 Minor Required Course Upper Division Biology I Language, Philosophy a Fall Total Semester Cree Spring	Title College Physics I College Physics I Lab Evolutionary Biology Minimum 18 semester credit hours from minor listed in catalog Elective (300-400 level) and Culture Core Curriculum Requirement (http://catalog.tamut.edu/academic-information/university-core-curriculum/dit Hours	Hour Semeste Credi Hour 1 Semeste Credi Hour
Fourth Year Semester (Fotal Third Year Semester Code) Fourth Year Semester Code Fall PHYS 1301 PHYS 1101 BIOL 466 Minor Required Course Upper Division Biology In Language, Philosophy at Fall Total Semester Cree Spring PHYS 1302 PHYS 1302 PHYS 1102	Title College Physics I College Physics I Lab Evolutionary Biology Minimum 18 semester credit hours from minor listed in catalog Elective (300-400 level) and Culture Core Curriculum Requirement (http://catalog.tamut.edu/academic-information/university-core-curriculum/dit Hours College Physics II	Hour Semeste Credi Hour
Fourth Year Fourth Year Semester (Fourth Year Semester Code Fall PHYS 1301 PHYS 1101 BIOL 466 Minor Required Course Jpper Division Biology I Language, Philosophy a Fall Total Semester Cree Spring PHYS 1302 PHYS 1102 BIOL 481 Inner Division Biology I III Inner Division Biology I III Inner Division Biology I III III III III III III III III III	Credit Hours Title College Physics I College Physics I Lab Evolutionary Biology Minimum 18 semester credit hours from minor listed in catalog Elective (300-400 level) and Culture Core Curriculum Requirement (http://catalog.tamut.edu/academic-information/university-core-curriculum/dit Hours College Physics II College Physics II Lab Seminar in Biology Flective (300-400 level)	Hour Gemeste Cred Hour
Fourth Year Fourth Year Fourth Year Code Fall PHYS 1301 PHYS 1101 BIOL 466 Minor Required Course Language, Philosophy a Fall Total Semester Cree Spring PHYS 1302 PHYS 1102 BIOL 481 Language Philosophy a	Credit Hours Title College Physics I College Physics I Lab Evolutionary Biology Minimum 18 semester credit hours from minor listed in catalog Elective (300-400 level) and Culture Core Curriculum Requirement (http://catalog.tamut.edu/academic-information/university-core-curriculum/dit Hours College Physics II College Physics II Lab Seminar in Biology	Hours Gemeste Credi Hours) 10 Gemeste Credi Hours
Fourth Year Fourth Year Semester (Fourth Year Semester Code Fall PHYS 1301 PHYS 1101 BIOL 466 Minor Required Course Upper Division Biology I Language, Philosophy a Fall Total Semester Cree Spring PHYS 1302 PHYS 1102 BIOL 481 Upper Division Biology I Minor Required Course	Credit Hours Title College Physics I College Physics I Lab Evolutionary Biology Minimum 18 semester credit hours from minor listed in catalog Elective (300-400 level) and Culture Core Curriculum Requirement (http://catalog.tamut.edu/academic-information/university-core-curriculum/dit Hours College Physics II College Physics II Lab Seminar in Biology Elective (300-400 level) Minimum 18 semester credit hours from minor listed in catalog	Hour Semeste Credi Hour 1 Semeste Credi Hour
Upper Division Biology I Language, Philosophy a Fall Total Semester Cre Spring PHYS 1302 PHYS 1102 BIOL 481	Credit Hours Title College Physics I College Physics I Lab Evolutionary Biology Minimum 18 semester credit hours from minor listed in catalog. Elective (300-400 level) and Culture Core Curriculum Requirement (http://catalog.tamut.edu/academic-information/university-core-curriculum/dit Hours College Physics II College Physics II Lab Seminar in Biology Elective (300-400 level) Minimum 18 semester credit hours from minor listed in catalog Credit Hours	Hours Semestee Credi Hours () () () () () () () () () () () () ()

Spring Total Semester Credit Hours

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.