

DIVISION OF SCIENCE AND MATHEMATICS

Bachelor Degrees

- Bachelor of Science-Biology (<http://catalog.tamut.edu/undergraduate-studies/arts-sciences-education/science-mathematics/bs-biology/>)
- Bachelor of Science-Chemistry (<http://catalog.tamut.edu/undergraduate-studies/arts-sciences-education/science-mathematics/bs-chemistry/>)
- Bachelor of Science-Mathematics (p. 1)
 - B (<http://catalog.tamut.edu/undergraduate-studies/arts-sciences-education/science-mathematics/bs-mathematics-data-analysis/>)S
Mathematics-Data Analysis Concentration (<http://catalog.tamut.edu/undergraduate-studies/arts-sciences-education/science-mathematics/bs-mathematics/data-analysis/>)
 - BS Mathematics-Pure Mathematics Concentration (<http://catalog.tamut.edu/undergraduate-studies/arts-sciences-education/science-mathematics/bs-mathematics/pure-mathematics/>)

Minors

A minor requires a minimum of 18 SCH in a discipline, with the exception of the interdisciplinary-studies minor that requires hours from more than one discipline.

Biology

Code	Title	Hours
BIOL 1306	Biology for Science Majors I	3
BIOL 1106	Biology for Science Majors I Lab	1
BIOL 1307	Biology for Science Majors II	3
BIOL 466	Evolutionary Biology	3
9 SCH UD Biology Electives		9
Total Hours		19

Biomedical Science (Available for RELLIS Biology majors only)

Code	Title	Hours
BIOL 311	General Microbiology	4
BIOL 402	Cell and Molecular Biology	4
Choose 10sch from the following courses:		10
BIOL 425	Immunology	
BIOL 445	Virology	
BIOL 446	Survey of Human Disease and Pathophysiology	
BIOL 456	Medical Microbiology	
BIOL 487	Human Parasitology	
CHEM 410	Biochemistry I	
Total Hours		18

Chemistry

Code	Title	Hours
CHEM 1311	General Chemistry I	3
CHEM 1111	General Chemistry I (Lab)	1
CHEM 1312	General Chemistry II	3
CHEM 1112	General Chemistry II (Lab)	1
CHEM 2423	Organic Chemistry I	4
CHEM 2425	Organic Chemistry II	4
CHEM 410	Biochemistry I	4
Total Hours		20

Environmental Science

Code	Title	Hours
BIOL 2406	Environmental Biology	3
BIOL 307	General Ecology	3
BIOL 450	Limnology	4
BIOL 420	Global Change (EL) ¹	3
CHEM 405	Environmental Chemistry	3
Select one of the following:		3
BIOL 421	Endangered Ecosystems	
BIOL 422	Atmosphere and Biosphere	
BIOL 330	Introduction to Geographic Information Systems	
Total Hours		19

Forensic Science

Code	Title	Hours
BIOL 1306	Biology for Science Majors I	3
BIOL 1106	Biology for Science Majors I Lab	1
CHEM 1311	General Chemistry I	3
CHEM 1111	General Chemistry I (Lab)	1
CJ 430	Constitutional Issues: Rights of Accused and Convicted Offenders	3
Select 7sch from the following:		7
BIOL 472	Introduction to Forensic Science	
BIOL 473	Fundamentals of DNA Forensics	
FIVS 305	Forensic and Investigative Techniques	
CJ 340	Criminal Law and Procedure	
CJ 390	Criminal Investigations	
Total Hours		18

Mathematics

Code	Title	Hours
MATH 2414	Calculus II	4
MATH 2415	Calculus III	4
Complete 2 courses from the following:		6
MATH 2305	Discrete Mathematics	
MATH 2318	Linear Algebra	
MATH 2320	Differential Equations	
Complete 2 courses (6sch) from any MATH 300 or 400 level		6
Total Hours		20

Pre-Health (available for Biology Majors only)

Code	Title	Hours
MATH 1342	Elementary Statistical Methods	3
BIOL 2401	Human Anatomy and Physiology I	4
BIOL 2402	Human Anatomy and Physiology II	4
BIOL 311	General Microbiology	4
Select 1 of the following courses:		3-4
BIOL 332	Molecular Pharmacology and Toxicology	
BIOL 335	Medical Terminology	
BIOL 445	Virology	
BIOL 446	Survey of Human Disease and Pathophysiology	

CHEM 410

Biochemistry I

Total Hours

18-19

Teaching Certifications

- BS in Biology 4-8 Science Certification (<http://catalog.tamut.edu/undergraduate-studies/arts-sciences-education/education/biology-4-8-science-certification/>)
- BS in Biology 7-12 Composite Science Certification (<http://catalog.tamut.edu/undergraduate-studies/arts-sciences-education/education/biology-7-12-composite-science-certification/>)
- BS in Biology 7-12 Life Sciences Certification (<http://catalog.tamut.edu/undergraduate-studies/arts-sciences-education/education/biology-7-12-life-sciences-certification/>)
- BS in Chemistry 7-12 Chemistry Certification (<http://catalog.tamut.edu/undergraduate-studies/arts-sciences-education/education/chemistry-7-12-chemistry-certification/>)
- BS in Mathematics 4-8 Mathematics Certification (<http://catalog.tamut.edu/undergraduate-studies/arts-sciences-education/education/mathematics-4-8-mathcertification/>)
- BS in Mathematics 7-12 Mathematics Certification (<http://catalog.tamut.edu/undergraduate-studies/arts-sciences-education/education/mathematics-7-12-math-certification/>)