

BS IN BIOLOGY 4-8 SCIENCE CERTIFICATION

Required Admission into the Teacher Preparation Program

The Texas A&M University–Texarkana Teaching and Professional Programs in Education (TPPE) is a TEA approved Educator Preparation Program and offers baccalaureate degrees for students seeking teacher certification in Texas. In addition to being admitted into a Texas Education Agency (TEA) approved Texas Educator Preparation Program, to become a certified Texas educator, passing the Texas Examinations of Educator Standards (TExES) is required. Applications for admission to the Texas A&M University-Texarkana Teacher Preparation Program are accepted for in February for the Spring and September for the Fall Semesters. Listed below are the Admission requirements for the A&M University-Texarkana Educator Preparation Program:

Admission Requirements:

1. Application to the program submitted through TK20 (<https://tamut.tk20.com/campustoolshighered/start.do>) (includes a \$35 fee)
2. **Overall GPA of 2.70 or higher**
3. Passing score on writing sample and interview (completed during ED 311)
4. Required content hours for this certification:
 - a. **15 semester hours** from the specified content area
 - b. **no grade below "C"**

Out-of-Country Applicants

Out-of-country applicants to the teacher preparation program must meet ONE of the following:

- Verification of satisfactory score on the Test of English as a Foreign Language- Internet-Based Test (TOEFL-IBT). The acceptable passing scores are: Speaking 24, Listening 22, Reading 22, Writing 21.
- Completion of an undergraduate or graduate degree in the U.S.
- Completion of an undergraduate or graduate degree outside of the U.S. from the list of approved countries generated by the Texas Education Agency.

For more information email education@tamut.edu (<http://catalog.tamut.edu/arts-sciences-education/teacher-certifications/education@tamut.edu>).

Biology w/4-8 Science Teacher Certification 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/)		42
BIOL 1306	Biology for Science Majors I ⁶	3
BIOL 1106	Biology for Science Majors I Lab ⁷	1
BIOL 1307	Biology for Science Majors II ⁶	3
BIOL 1107	Biology for Science Majors II Lab ⁷	1
GEOL 1403	Physical Geology	4
BIOL 307	General Ecology	3
BIOL 308	Invertebrate Zoology	3
BIOL 310	Genetics (EL)	4
BIOL 402	Cell and Molecular Biology	4
BIOL 466	Evolutionary Biology	3
BIOL 472	Introduction to Forensic Science	3
Upper Division Biology Electives		3
Other Requirements		
RDG 343	Content Area Literacy Instruction for Secondary Students	3
RDG 350	Early Literacy Development and the Science of Teaching Reading (EL)	3
MATH 1350	Fundamentals of Mathematics I ⁵	3
MATH 1351	Fundamentals of Math II	3
PHYS 1415	Physical Science I	4
PHYS 1417	Physical Science II	4
Upper Division Electives		7

Professional Development

ED 311	Teaching and Learning for Social Change (EL)	3
ED 321	Secondary School Methods	3
Block 1		
ED 331	Classroom and Behavior Management ⁹	3
ED 495	Field-Based Co-Teaching Semester ⁹	3
Block 2		
ED 496	Clinical Co-Teaching Semester (EL) ¹⁰	3
SPED 418	Inclusion of Students with High Support Needs in the Content Areas ¹⁰	3
Minimum grade of "C" required for all Major and Professional Development courses.		
Electives (as needed to satisfy minimum degree requirements including 54 semester credit hours of upper division)		
Minimum Hours for Degree		120

⁵ has a prerequisite of MATH 1314 (<http://catalog.tamut.edu/search/?P=MATH%201314>)

⁶ Satisfies core curriculum

⁷ May satisfy core curriculum in Components Area Option

⁸ Requires Admission to Teacher Prep Program

⁹ Requires successful placement interview with a partnership public school district

¹⁰ Requires passing all TExES exams

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.

Biology 4-8 Science Certification 4 Year Plan

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 ^{requires minimum grade of 'C', Satisfies Core Curriculum}	3
BIOL 1106	Biology for Science Majors I Lab ^{requires minimum grade of 'C', Satisfies Core Curriculum}	1
HIST 1301	United States History I ^{Satisfies Core Curriculum}	3
MATH 1314	College Algebra ^{Satisfies Core Curriculum}	3
IS 1100	University Foundations ^{mandatory for FTIC students only}	1
Fall Total Semester Credit Hours		17
Spring		
		Semester Credit Hours
ENGL 1302	Composition II ^{Satisfies Core Curriculum}	3
BIOL 1307	Biology for Science Majors II ^{requires minimum grade of 'C', Satisfies Core Curriculum}	3
BIOL 1107	Biology for Science Majors II Lab ^{requires minimum grade of 'C', satisfies Core Curriculum}	1
SPCH 1315	Public Speaking ^{Satisfies Core Curriculum}	3
or COMM 1307	Introduction to Mass Communication	
Language, Philosophy and Culture Core Curriculum Requirement (http://catalog.tamut.edu/academic-information/university-core-curriculum/)		3
HIST 1302	United States History II ^{Satisfies Core Curriculum}	3
Spring Total Semester Credit Hours		16
Total First Year Semester Credit Hours		33

Second Year

Code	Title	Hours
Fall		
		Semester Credit Hours
PHYS 1415	Physical Science I	4
PSCI 2305	U.S. Government and Politics	3
MATH 1350	Fundamentals of Mathematics I	3
Social and Behavioral Science Core Curriculum Requirement (http://catalog.tamut.edu/academic-information/university-core-curriculum/)		3
Creative Arts Core Curriculum Requirement (http://catalog.tamut.edu/academic-information/university-core-curriculum/)		3
Fall Total Semester Credit Hours		16
Spring		
		Semester Credit Hours
PHYS 1417	Physical Science II	4
MATH 1351	Fundamentals of Math II	3
PSCI 2306	State and Local Government	3
GEOL 1403	Physical Geology ^{requires minimum grade of 'C'}	4
Upper Division Biology Elective (300-400 level) ^{requires minimum grade of 'C'}		3-4
Spring Total Semester Credit Hours		17-18
Total Second Year Semester Credit Hours		33-34

Third Year

Code	Title	Hours
Fall		
		Semester Credit Hours
ED 311	Teaching and Learning for Social Change (EL) ^{requires minimum grade of 'C'}	3
BIOL 307	General Ecology ^{requires minimum grade of 'C'}	3
BIOL 402	Cell and Molecular Biology ^{requires minimum grade of 'C'}	4
BIOL 466	Evolutionary Biology ^{requires minimum grade of 'C'}	3
Electives as needed to satisfy minimum degree requirements including 54 semester credit hours of upper division coursework or total semester credit hours		2-3
Fall Total Semester Credit Hours		15-16
Spring		
		Semester Credit Hours
ED 321	Secondary School Methods ^{requires minimum grade of 'C'}	3
BIOL 308	Invertebrate Zoology ^{requires minimum grade of 'C'}	3
BIOL 310	Genetics (EL) ^{requires minimum grade of 'C'}	4
RDG 350	Early Literacy Development and the Science of Teaching Reading (EL) ^{requires minimum grade of 'C'}	3
Upper Division Elective (300-400 level) ^{requires minimum grade of 'C'}		3-4
Spring Total Semester Credit Hours		16-17
Summer		
		Semester Credit Hours
RDG 343	Content Area Literacy Instruction for Secondary Students ^{requires minimum grade of 'C'}	3
Summer Total Semester Credit Hours		3
Total Third Year Semester Credit Hours		34-35

Fourth Year

Code	Title	Hours
Fall		
ED 495	Field-Based Co-Teaching Semester <small>requires minimum grade of 'C'</small>	3
ED 331	Classroom and Behavior Management <small>requires minimum grade of 'C'</small>	3
BIOL 472	Introduction to Forensic Science <small>requires minimum grade of 'C'</small>	3
Upper Division Elective (300-400 level) <small>requires minimum grade of 'C'</small>		3-4
Elective - Upper or Lower Division as needed to meet upper division and overall requirement <small>requires minimum grade of 'C'</small>		3
Fall Total Semester Credit Hours		15-16
Spring		
ED 496	Clinical Co-Teaching Semester (EL) <small>requires minimum grade of 'C'</small>	3
SPED 418	Inclusion of Students with High Support Needs in the Content Areas <small>requires minimum grade of 'C'</small>	3
Spring Total Semester Credit Hours		6
Total Fourth Year Semester Credit Hours		21
		120

Minimum Grade of "C" is required in all Major, ED, RDG, SPED, and Professional Development course

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.