

BS IN BIOLOGY 7-12 COMPOSITE 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/7-12 Composite 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 ⁶	1
BIOL 1307	Biology for Science Majors II ⁶	3
BIOL 1107	Biology for Science Majors II Lab ⁶	1
CHEM 1311	General Chemistry I ⁶	3
CHEM 1111	General Chemistry I (Lab) ⁶	1
CHEM 1312	General Chemistry II	3
CHEM 1112	General Chemistry II (Lab)	1
PHYS 1301	College Physics I	3
PHYS 1101	College Physics I Lab	1
PHYS 1302	College Physics II	3
PHYS 1102	College Physics II Lab	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 481	Seminar in Biology	3
UD Biology Electives		3

Other Requirements

RDG 343	Content Area Literacy Instruction for Secondary Students	3
MATH 1314	College Algebra ⁶	3
MATH 1342	Elementary Statistical Methods	3
10sch Upper Division (300 & 400 level) Electives		10

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 ⁸	3
ED 495	Field-Based Co-Teaching Semester ⁸	3

Block 2:

ED 496	Clinical Co-Teaching Semester (EL) ⁹	3
SPED 418	Inclusion of Students with High Support Needs in the Content Areas ⁹	3

Electives (As needed to satisfy minimum degree requirements and 54 semester credit hours of Upper Division Coursework)

Minimum Grade of "C" required in all Major, Ed, SPED and Professional Development Courses

Minimum Hours for Degree **120**

⁶ Satisfies Core Curriculum

⁷ Required Admission to Teacher Prep Program

⁸ Requires successful placement interview with a partnership public school district

⁹ 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 7-12 Composite Science Certification 4 Year Plan

First Year

Code	Title	Hours
Fall		
ENGL 1301	Composition I ^{requires a 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
CHEM 1311	General Chemistry I ^{requires minimum grade of 'C'}	3
CHEM 1111	General Chemistry I (Lab) ^{requires minimum grade of 'C'}	1
IS 1100	University Foundations ^{mandatory for FTIC students only}	1
MATH 1314	College Algebra ^{Satisfies Core Curriculum}	3
Fall Total Semester Credit Hours		16
Spring		
ENGL 1302	Composition II ^{requires minimum grade of 'C', 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
MATH 1342	Elementary Statistical Methods	3
COMM 1307 or SPCH 1315	Introduction to Mass Communication ^{Satisfies Core Curriculum} Public Speaking	3
CHEM 1312	General Chemistry II ^{requires minimum grade of 'C', Satisfies Core Curriculum}	3
CHEM 1112	General Chemistry II (Lab) ^{requires minimum grade of 'C', Satisfies Core Curriculum}	1
Spring Total Semester Credit Hours		17
Total First Year Semester Credit Hours		33

Second Year

Code	Title	Hours
Fall		
PSCI 2305	U.S. Government and Politics	3
HIST 1301	United States History I <small>Satisfies Core Curriculum</small>	3
PHYS 1301	College Physics I <small>requires minimum grade of 'C', Satisfies Core Curriculum</small>	3
PHYS 1101	College Physics I Lab <small>requires minimum grade of 'C', satisfies Core Curriculum</small>	1
Language, Philosophy, and Culture 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		17
Spring		
PSCI 2306	State and Local Government	3
HIST 1302	United States History II	3
PHYS 1302	College Physics II <small>requires minimum grade of 'C', satisfies Core Curriculum</small>	3
PHYS 1102	College Physics II Lab <small>requires minimum grade of 'C', satisfies Core Curriculum</small>	1
GEOL 1403	Physical Geology <small>requires minimum grade of 'C', satisfies Core Curriculum</small>	4
Upper Division Biology Elective (300-400 level) <small>requires minimum grade of 'C'</small>		3-4
Spring Total Semester Credit Hours		17-18
Total Second Year Semester Credit Hours		34-35

Third Year

Code	Title	Hours
Fall		
social and behavioral sciences core curriculum requirement/ (http://catalog.tamut.edu/undergraduate-studies/arts-sciences-education/education/corecurriculumtext/)		3
ED 311	Teaching and Learning for Social Change (EL) <small>requires minimum grade of 'C'</small>	3
BIOL 307	General Ecology <small>requires minimum grade of 'C'</small>	3
BIOL 402	Cell and Molecular Biology <small>requires minimum grade of 'C'</small>	4
BIOL 466	Evolutionary Biology <small>requires minimum grade of 'C'</small>	3
Fall Total Semester Credit Hours		16
Spring		
ED 321	Secondary School Methods <small>requires minimum grade of 'C'</small>	3
BIOL 308	Invertebrate Zoology <small>requires minimum grade of 'C'</small>	3
BIOL 310	Genetics (EL) <small>requires minimum grade of 'C'</small>	4
BIOL 481	Seminar in Biology <small>requires minimum grade of 'C'</small>	3
RDG 343	Content Area Literacy Instruction for Secondary Students <small>requires minimum grade of 'C'</small>	3
Spring Total Semester Credit Hours		16
Total Third Year Semester Credit Hours		32

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
Upper Division Elective (300-400 level)		3
Upper Division Elective (300-400 level)		4
Upper Division Elective (300-400 level)		4
Fall Total Semester Credit Hours		17
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	23
Total Semester Credit Hours required for Degree	120

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

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.