

# BS IN BIOLOGY 7-12 LIFE SCIENCES CERTIFICATION

## Required Admission into the Teacher Preparation Program

The Teacher Preparation Program at Texas A&M University-Texarkana is an approved educator preparation program through the Texas Education Agency (TEA). The program provides baccalaureate degrees for students pursuing teacher certification in Texas.

To become a certified Texas educator, candidates must:

- Gain admission to a TEA-approved Educator Preparation Program
- Complete all program requirements and graduate from the program
- Pass the Texas Examinations of Educator Standards (TExES)

Applications are accepted twice per year:

- **Spring Semester:** Applications due in February
- **Fall Semester:** Applications due in September

### Admission Requirements

#### General Requirements

1. **Program Application:** Submit application through the Educator Portal
2. **Academic Standing:** Maintain an overall GPA of 2.70 or higher
3. **Assessment:** Pass a screening instrument (completed during ED 311 course)
4. **Content Area Requirements:** 15 semester credit hours from the specified content area

Educators who apply for certification are required to demonstrate English language proficiency by fulfilling one of the following requirements:

1. Completion of an undergraduate or graduate degree at an accredited institution of higher education in the United States or one of its territories.
2. Verification of a minimum scaled score that falls within the High-Intermediate level in each section on the Test of English as a Foreign Language internet-Based Test (TOEFL-iBT).
3. An undergraduate or graduate degree that was earned at an institution of higher education in a country outside of the United States listed in the figure provided below.  
Figure: 19 TAC §230.11(b)(5)(C) (<https://tea.texas.gov/about-tea/laws-and-rules/sbec-rules-tac/sbec-tac-currently-in-effect/19-230-0011-1.pdf>)
4. A standard certificate issued by the department of education in another state where examinations for the certificate were taken and passed. Applicants must submit official test score reports along with the out-of-state standard certificate for the credentials review. EPP candidates must submit official score reports to the program.

For more information, email [education@tamut.edu](mailto: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
<b>Major Requirements</b>		
	General Education Requirements ( <a href="http://catalog.tamut.edu/academic-information/university-core-curriculum/">http://catalog.tamut.edu/academic-information/university-core-curriculum/</a> )	42
BIOL 1306	Biology for Science Majors I <sup>6</sup>	3
BIOL 1106	Biology for Science Majors I Lab <sup>6</sup>	1
BIOL 1307	Biology for Science Majors II <sup>6</sup>	3
BIOL 1107	Biology for Science Majors II Lab <sup>6</sup>	1
CHEM 1311	General Chemistry I <sup>6</sup>	3
CHEM 1111	General Chemistry I (Lab) <sup>6</sup>	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
<b>Other Requirements</b>		
RDG 343	Content Area Literacy Instruction for Secondary Students	3
MATH 1314	College Algebra <sup>6</sup>	3
MATH 1342	Elementary Statistical Methods	3
10sch Upper Division (300 & 400 level) Electives		10
<b>Professional Development</b>		
ED 311	Growth and Development for EC-12 Grade	3
ED 321	Secondary School Methods	3
<b>Block 1:</b>		
ED 331	Classroom and Behavior Management <sup>8</sup>	3
ED 495	Clinical Experience I <sup>8</sup>	3
<b>Block 2:</b>		
ED 496	Clinical Experience II <sup>9</sup>	3
SPED 418	Inclusion of Students with High Support Needs in the Content Areas <sup>9</sup>	3
<b>Electives (As needed to satisfy minimum degree requirements and 54 semester credit hours of Upper Division Coursework)</b>		
<b>Minimum Grade of "C" required in all Major, Ed, SPED and Professional Development Courses</b>		
<b>Minimum Hours for Degree</b>		120

<sup>6</sup> Satisfies Core Curriculum

<sup>7</sup> Required Admission to Teacher Prep Program

<sup>8</sup> Requires successful placement interview with a partnership public school district

<sup>9</sup> 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
<b>Fall</b>		
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
UNIV 1100	University Foundations	1
MATH 1314	College Algebra Satisfies Core Curriculum	3
<b>Fall Total Semester Credit Hours</b>		16
<b>Spring</b>		
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	Introduction to Mass Communication Satisfies Core Curriculum	3

or SPCH 1315	Public Speaking	
CHEM 1312	General Chemistry II <small>requires minimum grade of 'C', Satisfies Core Curriculum</small>	3
CHEM 1112	General Chemistry II (Lab) <small>requires minimum grade of 'C', Satisfies Core Curriculum</small>	1
<b>Spring Total Semester Credit Hours</b>		<b>17</b>
<b>Total First Year Semester Credit Hours</b>		<b>33</b>

## Second Year

Code	Title	Hours
<b>Fall</b>		
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 ( <a href="http://catalog.tamut.edu/academic-information/university-core-curriculum/">http://catalog.tamut.edu/academic-information/university-core-curriculum/</a> )		3
Creative Arts Core Curriculum Requirement ( <a href="http://catalog.tamut.edu/academic-information/university-core-curriculum/">http://catalog.tamut.edu/academic-information/university-core-curriculum/</a> )		3
<b>Fall Total Semester Credit Hours</b>		<b>17</b>
<b>Spring</b>		
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
<b>Spring Total Semester Credit Hours</b>		<b>17-18</b>
<b>Total Second Year Semester Credit Hours</b>		<b>34-35</b>

## Third Year

Code	Title	Hours
<b>Fall</b>		
Social and Behavioral Sciences Core Curriculum Requirement ( <a href="http://catalog.tamut.edu/academic-information/university-core-curriculum/">http://catalog.tamut.edu/academic-information/university-core-curriculum/</a> )		3
ED 311	Growth and Development for EC-12 Grade <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
<b>Fall Total Semester Credit Hours</b>		<b>16</b>
<b>Spring</b>		
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
<b>Spring Total Semester Credit Hours</b>		<b>16</b>
<b>Total Third Year Semester Credit Hours</b>		<b>32</b>

## Fourth Year

Code	Title	Hours
<b>Fall</b>		
ED 495	Clinical Experience I <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
<b>Fall Total Semester Credit Hours</b>		<b>17</b>

<b>Spring</b>		
ED 496	Clinical Experience II <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
<b>Spring Total Semester Credit Hours</b>		<b>6</b>
<b>Total Fourth Year Semester Credit Hours</b>		<b>23</b>
<b>Total Semester Credit Hours required for Degree</b>		<b>120</b>

***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.