

BS IN MATHEMATICS 4-8 MATHEMATICS 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>).

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 ⁶		
General Education Requirements (http://catalog.tamut.edu/academic-information/university-core-curriculum/)		42
MATH 2305	Discrete Mathematics	3
MATH 2318	Linear Algebra	3
MATH 2413	Calculus I ⁷	4
MATH 2414	Calculus II	4
MATH 2415	Calculus III	4
MATH 321	College Geometry	3
MATH 330	Math Foundations and Applications	3
MATH 334	Introduction to Abstract Algebra	3
MATH 357	Probability and Statistics using R	3
MATH 380	Real Analysis	3
MATH 430	Mathematical Modeling	3
MATH 437	Number Theory	3
Other Requirements:		
BIOL 1308	Biology for Non-Science Majors I ⁷	3
BIOL 1108	Biology for Non-science Majors I Lab ⁷	1
BIOL 1309	Biology for Non-Science Majors II ⁷	3
BIOL 1109	Biology for Non-science Majors II Lab ⁷	1
PHYS 1415	Physical Science I ⁷	4
RDG 343	Content Area Literacy Instruction for Secondary Students	3
RDG 350	Early Literacy Development and the Science of Teaching Reading (EL)	3

Upper Division Electives		9
Prof. Development ³		
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
Electives		
as needed to satisfy minimum degree requirements including 54 SCH in Upper Division coursework		
Minimum Hours for Degree		120

⁶ Minimum grade of "C" required in all Major, Education and Professional Development Courses

⁷ Satisfies core curriculum

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.

Mathematics 4-8 Mathematics Certification 4 Year Plan

First Year

Code	Title	Hours
Fall		
		Semester Credit Hours
HIST 1301	United States History I ^{Satisfies Core Curriculum}	3
ENGL 1301	Composition I ^{requires minimum grade of 'C', Satisfies Core Curriculum}	3
MATH 2413	Calculus I ^{Requires a minimum grade of 'C', Satisfies Core Curriculum, Calculus I pre-requisites (if any) will be determined by the College of CBET using established readiness indicators.}	4
PHYS 1415	Physical Science I	4
IS 1100	University Foundations ^{mandatory for FTIC students only}	1
Fall Total Semester Credit Hours		15
Spring		
		Semester Credit Hours
HIST 1302	United States History II ^{Satisfies Core Curriculum}	3
ENGL 1302	Composition II ^{Satisfies Core Curriculum}	3
MATH 2414	Calculus II ^{requires minimum grade of 'C'}	4
MATH 2305	Discrete Mathematics	3
Social and Behavioral Science Core Curriculum Requirement (http://catalog.tamut.edu/academic-information/university-core-curriculum/)		3
Spring Total Semester Credit Hours		16
Total First Year Semester Credit Hours		31

Second Year

Code	Title	Hours
Fall		
		Semester Credit Hours

MATH 2415	Calculus III	requires minimum grade of 'C'	4
MATH 2318	Linear Algebra	requires minimum grade of 'C'	3
PSCI 2305	U.S. Government and Politics		3
BIOL 1308	Biology for Non-Science Majors I	Satisfies Core Curriculum	3
BIOL 1108	Biology for Non-science Majors I Lab	Satisfies Core Curriculum	1
SPCH 1315	Public Speaking	Satisfies Core Curriculum	3
or COMM 1307	Introduction to Mass Communication		
or COMM 1311	Introduction to Communication Studies		
Fall Total Semester Credit Hours			17
Spring			Semester Credit Hours
BIOL 1309	Biology for Non-Science Majors II	Satisfies Core Curriculum	3
BIOL 1109	Biology for Non-science Majors II Lab	Satisfies Core Curriculum	1
MATH 334	Introduction to Abstract Algebra		3
PSCI 2306	State and Local Government		3
Creative Arts Core Curriculum Requirement (http://catalog.tamut.edu/academic-information/university-core-curriculum/)			3
Language, Philosophy and Culture Core Curriculum Requirement (http://catalog.tamut.edu/academic-information/university-core-curriculum/)			3
Spring Total Semester Credit Hours			16
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 Second Year Semester Credit Hours			36

Third Year

Code	Title	Hours	
Fall			
Semester Credit Hours			
ED 321	Secondary School Methods	requires minimum grade of 'C'	3
MATH 380	Real Analysis		3
MATH 437	Number Theory		3
RDG 350	Early Literacy Development and the Science of Teaching Reading (EL)		3
Upper Division Elective			3
Fall Total Semester Credit Hours			15
Spring			Semester Credit Hours
MATH 357	Probability and Statistics using R	requires minimum grade of 'C'	3
MATH 330	Math Foundations and Applications		3
ED 311	Teaching and Learning for Social Change (EL)	requires minimum grade of 'C'	3
Upper Division Elective			3
Spring Total Semester Credit Hours			12
Total Third Year Semester Credit Hours			27

Fourth Year

Code	Title	Hours	
Fall			
Semester Credit Hours			
ED 495	Field-Based Co-Teaching Semester	requires minimum grade of 'C'	3

ED 331	Classroom and Behavior Management	3
MATH 321	College Geometry	3
MATH 430	Mathematical Modeling	3
Elective - Upper Division as needed to meet upper division and overall requirement		3
Fall Total Semester Credit Hours		15
Spring		Semester Credit Hours
ED 496	Clinical Co-Teaching Semester (EL) ^{requires minimum grade of 'C'}	3
SPED 418	Inclusion of Students with High Support Needs in the Content Areas ^{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		5
Spring Total Semester Credit Hours		11
Total Fourth Year Semester Credit Hours		26
Total Semester Credit Hours required for Degree		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.