

ACCELERATED B.A. IN MATHEMATICS (7-12 MATHEMATICS CERTIFICATION) / M.S. IN MATHEMATICS

Web Site: <https://twu.edu/mathematics/undergraduate-programs/>

Degree Requirements

Total Semester Credit Hours (SCH): 120

Major: 39 SCH Required Minor: 26 SCH

Program Code: MATH.BA.7-12EDUC.ACC; CIP Code: 27.0101.00

Texas Core Curriculum

Code	Title	SCHs
ENG 1013	Composition I (10)	3
ENG 1023	Composition II (10)	3
Mathematics (20)		3
Life & Physical Sciences (30)		6
Language, Philosophy, & Culture (40)		3
Creative Arts (50)		3
HIST 1013	History of the United States, 1492-1865 (60)	3
HIST 1023	History of the United States, 1865 to the Present (60)	3
POLS 2013	U.S. National Government (70)	3
POLS 2023	Texas Government (70)	3
Social & Behavioral Sciences (80)		3
CAO: Multicultural-Women's Studies (90)		3
CAO: First Year Seminar, Wellness or Mathematics (91)		3
Total SCHs		42

Courses Required for Major

Code	Title	SCHs
Required Mathematics Courses		
MATH 2014	Calculus I	4
MATH 4303	Secondary Mathematics in the Classroom	3
MATH 4203	Problem Solving in the Secondary STEM Classroom	3
MATH 2024	Calculus II	4
MATH 3104	Calculus III	4
MATH 3013	Discrete Mathematics	3
or MATH 3083	Elementary Number Theory	
MATH 3053	Abstract Algebra	3
MATH 4003	Mathematical Concepts in the Educational Setting	3
Graduate Coursework		
MATH 5323	Euclidean Geometry	3
or MATH 3003	A Survey of Geometry	
MATH 5523	Introduction to Number Theory	3

or MATH 3083	Elementary Number Theory	
MATH 5483	Theory of Probability and Statistics I	3
or MATH 4013	Probability and Statistics	
MATH 5513	Matrix Algebra	3
or MATH 3073	Matrix Methods	
Total SCHs		39

Departmental Requirements

Code	Title	SCHs
CSCI 3013	Applied Computational Thinking	3
SPAN 1013	Elementary Spanish I	3
SPAN 1023	Elementary Spanish II	3
MATH Elective (Mathematics Core)		3
Elective (CAO: Wellness or Mathematics)		2
Elective		4
Total SCHs		18

Six SCH of clinical teaching are required. Students typically take one semester of EDUC 4946 to fulfill this requirement. With permission from the component and the Educator Preparation Program (EPP), students may be eligible to take two semesters of EDUC 4943.