

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: ; CIP Code: 27.0101.00

Texas Core Curriculum

Code	Title	SCHs
ENG 1013	Composition I	3
ENG 1023	Composition II	3
Mathematics		3
Life & Physical Sciences		6
Language, Philosophy, & Culture		3
Creative Arts		3
HIST 1013	History of the United States, 1492-1865	3
HIST 1023	History of the United States, 1865 to the Present	3
POLS 2013	U.S. National Government	3
POLS 2023	Texas Government	3
Social & Behavioral Sciences		3
CAO: Women's Studies		3
CAO: First Year Seminar, Wellness or Mathematics		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
MATH 5523	Introduction to Number Theory	3
MATH 5483	Theory of Probability and Statistics I	3

MATH 5513	Matrix Algebra	3
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