

BACHELOR OF SCIENCE IN MATHEMATICS

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

Degree Requirements

Total Semester Credit Hours (SCH): 120

Major: 42 SCH Required Minor: 18 SCH

Program Code: MATH.BS 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 2024	Calculus II	4
MATH 3013	Discrete Mathematics	3
MATH 3053	Abstract Algebra	3
MATH 3063	Linear Algebra	3
or MATH 3073	Matrix Methods	
MATH 3083	Elementary Number Theory	3
MATH 3104	Calculus III	4
MATH 3123	Differential Equations	3
MATH 4013	Probability and Statistics	3
MATH 4873	Real Analysis	3
Mathematics Electives		
Select 9 additional semester credit hours in mathematics.		9
MATH 1013, MATH 1023, MATH 1303, and MATH 1313 may not be counted toward the major		
Total SCHs		42

Departmental Requirements ("C" or higher required)

Code	Title	SCHs
CSCI 2003	Software Systems Design and Tools	3
or CSCI 1203	Computing Skills for a Digital World	
CSCI 3013	Applied Computational Thinking	3
Minor (select courses with advisor)		18
Electives		12

Specializations

Descriptions of specialized programs for mathematics students interested in engineering studies, computational math, statistics, or teacher certification can be found on our website.