

BACHELOR OF SCIENCE IN MATHEMATICS (7-12 MATHEMATICS CERTIFICATION)

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

Recommended Plan of Study

First Year

Fall		TCCN	SCHs
MATH 1313	Trigonometry	MATH 1316	3
MATH 1703	Elementary Statistics I	MATH 1342	3
ENG 1013	Composition I	ENGL 1301	3
HIST 1013	History of the United States, 1492-1865	HIST 1301	3
POLS 2013	U.S. National Government	GOVT 2305	3
UNIV 1231	Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
SCHs			16

Spring		TCCN	
MATH 1713	Elementary Statistics II		3
ENG 1023	Composition II	ENGL 1302	3
HIST 1023	History of the United States, 1865 to the Present	HIST 1302	3
POLS 2023	Texas Government	GOVT 2306	3
Life/Physical Science Core			3
SCHs			15

Second Year

Fall		TCCN	
MATH 2014	Calculus I	MATH 2413	4
MATH 3003	A Survey of Geometry		3
MATH 4303	Algebra in the Mathematics Classroom		3
CSCI 3002	Advanced Computing Technology		2
Life/Physical Science Core			3
SCHs			15

Spring		TCCN	
MATH 2024	Calculus II	MATH 2414	4
CSCI 3013	Applied Computational Thinking		3
EDSP 3203	Learners with Exceptionalities		3
Language, Philosophy, & Culture Core			3
READ 3013	Literacy and Learning across the Curriculum		3
SCHs			16

Third Year

Fall		TCCN	
MATH 3083	Elementary Number Theory		3
MATH 3104	Calculus III		4

MATH 4313	Geometry in the Mathematics Classroom		3
EDUC 2003	Schools and Society	EDUC 1301	3
Elective			4

SCHs 17

Spring		TCCN	
MATH 2053	Women and Minorities in Engineering, Mathematics, and Science		3
MATH 3073	Matrix Methods		3
MATH 4003	Mathematical Concepts in the Educational Setting		3
MATH 4203	Problem Solving in the Secondary STEM Classroom		3
EDUC 3003	Learning Theory and Development		3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2

SCHs 17

Fourth Year

Fall		TCCN	
MATH 3053	Abstract Algebra		3
MATH 4013	Probability and Statistics		3
Creative Arts Core			3
Social/Behavioral Science Core			3
EDUC 4113	Design and Implementation of Instruction and Assessment		3
EDUC 4243	Classroom Environment and Management		3

SCHs 18

Spring		TCCN	
EDUC 4946	Clinical Student Teaching		6

SCHs 6

Total SCHs: 120