

# ACCELERATED B.S. IN MATHEMATICS (4-8 MATHEMATICS CERTIFICATION) / M.S. IN MATHEMATICS

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

## Recommended Plan of Study

### First Year

Fall		TCCN	SCHs
MATH 1523	Mathematics Concepts I	MATH 1350	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 Seminar	EDUC 1100, EDUC 1200, EDUC 1300	1
MATH 2014	Calculus I	MATH 2413	4

**SCHs 17**

Spring		TCCN	
MATH 1533	Mathematics Concepts II	MATH 1351	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
MATH 2024	Calculus II	MATH 2414	4

**SCHs 16**

### Second Year

Fall		TCCN	
MATH 4303	Algebra in the Mathematics Classroom		3
	Language, Philosophy, and Culture Core		3
EDSP 3203	Learners with Exceptionalities		3
MATH 3104	Calculus III		4
	Life/Physical Science Core		3

**SCHs 16**

Spring		TCCN	
MATH 3013	Discrete Mathematics		3
READ 3423	Literacy Foundations: 4-8		3
	Life/Physical Science Core		3
	CAO: Women's Studies (Recommended - MATH 2053)		3
	Social/Behavioral Science Core		3

**SCHs 15**

### Third Year

Fall		TCCN	
EDUC 2003	Schools and Society	EDUC 1301	3

READ 3013	Literacy and Learning across the Curriculum	3
	Creative Arts Core	3
MATH 3053	Abstract Algebra	3
	Mathematics Core	3
CSCI 3013	Applied Computational Thinking	3

**SCHs 18**

Spring		TCCN	
MATH 4003	Mathematical Concepts in the Educational Setting		3
MATH 5513 or 3073	Matrix Algebra or Matrix Methods		3
EDUC 3003	Learning Theory and Development		3
EDUC 3482	Teaching Diverse Learners Through Technology Integration		2
MATH 5523 or 3083	Introduction to Number Theory or Elementary Number Theory		3
MATH 4203	Problem Solving in the Secondary STEM Classroom		3

**SCHs 17**

### Fourth Year

Fall		TCCN	
MATH 5323 or 3003	Euclidean Geometry or A Survey of Geometry		3
MATH 5483 or 4013	Theory of Probability and Statistics I or Probability and Statistics		3
EDUC 4113	Design and Implementation of Instruction and Assessment		3
EDUC 4243	Classroom Environment and Management		3
	CAO: Wellness or Mathematics		3

**SCHs 15**

Spring		TCCN	
EDUC 4946	Clinical Student Teaching		6

**SCHs 6**

**Total SCHs: 120**