

# BACHELOR OF ARTS IN MATHEMATICS (7-12 MATHEMATICS CERTIFICATION)

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

## Recommended Plan of Study

### First Year

Fall		TCCN	SCHs
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
Life & Physical Sciences Core			3

### SCHs

17

### Spring

		TCCN	
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
SPAN 1013 or EDBE 3453	Elementary Spanish I or Teaching English As a Second Language	SPAN 1411	3
MATH 2024	Calculus II	MATH 2414	4

### SCHs

16

### Second Year

Fall		TCCN	
MATH 4303	Algebra in the Mathematics Classroom		3
SPAN 1023 or EDBE 3053	Elementary Spanish II or Theories of Second Language Acquisition for ESL and Bilingual Teachers	SPAN 1412	3
Life/Physical Science Core			3
Elective			3
MATH 3104	Calculus III		4

### SCHs

16

### Spring

		TCCN	
EDSP 3203	Learners with Exceptionalities		3
READ 3013	Literacy and Learning across the Curriculum		3
MATH 3013	Discrete Mathematics		3
Language, Philosophy, & Culture Core			3
CAO: Women's Studies (Recommended - MATH 2053)			3

Elective (Recommended - MATH 1703) 3

SCHs 18

### Third Year

Fall		TCCN	
EDUC 2003	Schools and Society	EDUC 1301	3
MATH 3053	Abstract Algebra		3
Creative Arts Core			3
Elective			3
CSCI 3013	Applied Computational Thinking		3

SCHs 15

### Spring

		TCCN	
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
MATH 3083	Elementary Number Theory		3

SCHs 17

### Fourth Year

Fall		TCCN	
MATH 4013	Probability and Statistics		3
EDUC 4113	Design and Implementation of Instruction and Assessment		3
EDUC 4243	Classroom Environment and Management		3
Social/Behavioral Science Core			3
MATH 3003	A Survey of Geometry		3

SCHs 15

### Spring

		TCCN	
EDUC 4946	Clinical Student Teaching		6

SCHs 6

Total SCHs: 120