

# BACHELOR OF ARTS IN MATHEMATICS (4-8 MATHEMATICS CERTIFICATION)

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

## Recommended Plan of Study

### First Year

Fall	TCCN	SCHs
MATH 1313 Elementary Analysis II	MATH 1316	3
MATH 1533 Mathematics Concepts II	MATH 1351	3
ENG 1013 Composition I	ENGL 1301	3
POLS 2013 U.S. National Government	GOVT 2305	3
HIST 1013 History of the United States, 1492-1865	HIST 1301	3
UNIV 1231 Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
SCHs		16

Spring	TCCN	SCHs
MATH 1543 Mathematics Concepts III		3
MATH 1703 Elementary Statistics I	MATH 1342	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		18

### Second Year

Fall	TCCN	SCHs
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
Language, Philosophy, and Culture Core		3
SCHs		18

Spring	TCCN	SCHs
MATH 2053 Women and Minorities in Engineering, Mathematics, and Science		3
BIOL 1023 Environmental Biology (recommended)	BIOL 2406	3
EDSP 3203 Learners with Exceptionalities		3
SPAN 1013 or EDBE 3453 Elementary Spanish I or Teaching English As a Second Language	SPAN 1411	3

READ 3013 Literacy and Learning across the Curriculum		3
SCHs		15

### Third Year

Fall	TCCN	SCHs
MATH 4313 Geometry in the Mathematics Classroom		3
EDUC 2003 Schools and Society	EDUC 1301	3
SPAN 1023 or EDBE 3053 Elementary Spanish II or Theories of Second Language Acquisition for ESL and Bilingual Teachers	SPAN 1412	3
Additional Science (SCI 1114 recommended)		4
READ 3423 Literacy Foundations: 4-8		3
SCHs		16

Spring	TCCN	SCHs
MATH 3073 Matrix Methods		3
MATH 4003 Mathematical Concepts in the Educational Setting		3
MATH 4203 Problem Solving in the Mathematics Classroom		3
CSCI 3013 Applied Computational Thinking		3
EDUC 3003 Learning Theory and Development		3
EDUC 3482 Teaching Diverse Learners Through Technology Integration		2
SCHs		17

### Fourth Year

Fall	TCCN	SCHs
MATH Elective		4
MATH Elective		4
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		20

Spring	TCCN	SCHs
EDUC 4946 Clinical Student Teaching		6
SCHs		6
Total SCHs:		126