

ACCELERATED B.A. IN MATHEMATICS (7-12 MATHEMATICS CERTIFICATION) / M.S. IN MATHEMATICS TEACHING

Web Site: <https://twu.edu/mathematics/accelerated-bachelor-to-masters-in-mathematics/>

Degree Requirements

Total Semester Credit Hours (SCH): 121

Major: 39 SCH **Required Minor:** 26 SCH

Program Code: ; **CIP Code:** 27.0101.00

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
or MATH 3083	Elementary Number Theory	
MATH 3053	Abstract Algebra	3
MATH 3104	Calculus III	4
MATH 4003	Mathematical Concepts in the Educational Setting	3
MATH 4013	Probability and Statistics	3
Graduate Coursework		
MATH 5203	Problem Solving in the Math Classroom	3
MATH 5303	Algebra in the Mathematics Classroom	3
or MATH 4303	Algebra in the Mathematics Classroom	
MATH 5313	Geometry in the Mathematics Classroom	3
or MATH 4313	Geometry in the Mathematics Classroom	
MATH 5323	Euclidean Geometry	3
MATH 5513	Matrix Algebra	3
Total SCHs		39

Departmental Requirements

Code	Title	SCHs
CSCI 3002	Advanced Computing Technology	2
CSCI 3013	Applied Computational Thinking	3
SPAN 1013	Elementary Spanish I	3
or EDBE 3053	Theories of Second Language Acquisition for ESL and Bilingual Teachers	
SPAN 1023	Elementary Spanish II	3
or EDBE 3453	Teaching English As a Second Language	
Electives		2
Total SCHs		13

Professional Education Studies

Admission to the Educator Preparation Program is required. Students must apply for admission into the Educator Preparation Program prior to enrolling in EDUC 3003/EDUC 3482, EDUC 4113/EDUC 4243, and EDUC 4946. Information is available from the Office of Educator Preparation Services (<https://twu.edu/teacher-certification/>).

Code	Title	SCHs
Pedagogical and Professional Responsibility		
EDUC 2003	Schools and Society	3
EDUC 3003	Learning Theory and Development	3
EDUC 3482	Teaching Diverse Learners Through Technology Integration	2
EDUC 4113	Design and Implementation of Instruction and Assessment	3
EDUC 4243	Classroom Environment and Management	3
EDUC 4946	Clinical Student Teaching	6
Related Studies in Education		
READ 3013	Literacy and Learning across the Curriculum	3
EDSP 3203	Learners with Exceptionalities	3
Total SCHs		26

Notes:

- EDUC 2003 may be taken at a community college. Check with the Office of Educator Preparation Services (<https://twu.edu/teacher-certification/>) to make sure the course has the equivalent number.
- EDUC 4113 and EDUC 4243 must be taken during the same semester.