

**MATHEMATICS Secondary Education  
Bachelor of Science (B.S.)**

**Requirements for Major:** At least 42 credit hours in the department, including:

MA 140 Introduction to Statistics (3)
MA 151 Calculus and Analytic Geometry I (5)
MA 152 Calculus and Analytic Geometry II (5)
MA 253 Calculus and Analytic Geometry III (3)
MA 204 Number Theory/Discrete (3)
MA 207 Discrete Mathematics (3) (PH 220 Symbolic Logic is a prerequisite)
MA 230 Math for Secondary (4)
MA 301 Linear Algebra (3)
MA 354 Abstract Algebra (3)
MA 367 Modern Geometry (3)
MA 371 Introduction to Real Analysis I (3)
MA 381 History of Mathematics (3)
MA 380 Problem Solving Strategies (2) (This is a one credit course taken two times)
Select two of the following (2): MA 380 Problem Solving Strategies (taken a third time) MA 316 Teaching Algebra MA 317 Teaching Trig MA 318 Teaching Stats MA 388 Capstone Research

**Required Education Courses:**

ED 155 Teaching, Learning, Leadership
ED 165 Examining Teaching as a Profession
ED 275 Exploring Teaching as a Profession
ED 285 Educational Psychology
ED 295 Experiencing Teaching as a Profession
ED 302 Teaching Exceptional Learners
ED 395 Extending Teaching as a Profession
ED 354 Curriculum and Assessment
ED 363 Method of Teaching
ED 410 Secondary Student Teaching

**Required Concentration—30 credit hours:**

The B.S. degree requires a 30-hour concentration in the Natural Sciences (Biology, Chemistry, Mathematics & Statistics, Physics & Astronomy, or Computer Information Science). These courses must be in departments other than the major, with at least 20 hours in one department.
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**General Education Distribution Requirements (BS):**

Humanities (9) (GEHU/GECPA) (Max 6 hours/ discipline)	Course Number	Social Sciences (9) (GESS) (Max 6 hours/ discipline)	Course Number	Natural Sciences/ Mathematics (9) (GENS) (Max 8 Hours or 2 Courses/Discipline)	Course Number
Fine Arts (3)		Soc. Science 1 (3)		Nat. Science 1 (3-5)	
PH 220 (3)		Soc. Science 2 (3)		Nat. Science 2 (3-5)	
CN 150 (3)		Soc. Science 3 (3)		Nat. Science 3 (3-5)	

**Core University Specific Requirements:**

WU 101 (3)* C or Better		Total Hours (120)	
EN 101 (3) C or Better		Hours Outside Major (72)	
EN 300 (3) C or Better		Upper Division (300 and above) (45)	
MA 112 or MA 116 (3)** C or Better		Hours Within Arts and Sciences (84)	
>= 2.0 Overall Cumulative GPA		>= C Grade All Major and Correlated Courses	

*\*Students transferring with 24 or more credit hours completed at an accredited post-secondary institution (aftergraduating from High School) with a GPA of 2.0 or higher are exempt from this requirement*

*\*\*May be waived if the student successfully places into a higher-level mathematics course with an ACT score of 25 or higher and then successfully completes that course with a grade of C or higher or if a student presents an ACT score in mathematics of at least 28 (SAT of at least 640).*