



B.A. in Mathematics – Teacher Preparation Option

58-59 MATH Credits; 180 Total Credits Required for Graduation

This information is to be used for planning. Check your Degree Audit Reporting System (DARS) or meet with an advisor to ensure you have met all degree requirements.

Minimum admissions requirements: MATH 124, MATH 125, MATH 126, MATH 300 (or MATH 134, MATH 135, MATH 136), with a minimum 2.0 grade in each of these courses and an overall minimum 2.50 GPA in all mathematics courses. Completion of these requirements does not guarantee admission.

Calculus Sequence (15 credits)

- MATH 124 (5cr) – Calculus I
- MATH 125 (5cr) – Calculus II
- MATH 126 (5cr) – Calculus III

Statistics (4-5 credits)

- One of the following:
 - STAT 311 (5cr) – Elements of Stat Methods
 - STAT 390 (4cr) – Stat Methods in Engineering
 - QSCI 381 (5cr) – Intro to Probability & Stat

Mathematics Core (9 credits)

- MATH 207 (3cr) – Differential Equations
- MATH 208 (3cr) – Matrix Algebra
- MATH 300 (3cr) – Mathematical Reasoning

Major Electives (15 credits)*

- Upper-division courses in MATH, AMATH, or STAT; including PHYS 407/408/409.
At least 6 cr. must be from the MATH dept.

Teacher Requirement (12 credits)

Intro to Modern Algebra with Applications

- MATH 411 (3cr)
- MATH 412 (3cr)

Intro to Geometries

- MATH 444 (3cr)
- MATH 445 (3cr)

Probability (3 credits)

- MATH/STAT 394 (3cr) – Probability I

* **MATH course restrictions:**

- *Excluding AMATH 301, 351, 352*
- *Excluding MATH 397, 398, 399, 402, 403, 497, 498, 499*
- *No more than two special topic MATH courses numbered 380 or 480*

