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. Always check your DARS report to ensure you have met all degree requirements.

Calculus Sequence (15 credits)
- MATH 124 (5cr) – Calculus I
- MATH 125 (5cr) – Calculus II
- MATH 126 (5cr) – Calculus III

Admissions requirement: Students must earn a minimum of 2.0 in each of MATH 124, 125 and 126 with a 2.5 or higher average in all MATH courses. Completion of these requirements does not guarantee admission.

Mathematics Core (12 credits)
- MATH 207 (3cr) – Differential Equations
- MATH 208 (3cr) – Matrix Algebra
- MATH 300 (3cr) – Mathematical Reasoning

Probability (3 credits)
- MATH/STAT 394 (3cr) – Probability I

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

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)

* MATH course restrictions:
- Excluding AMATH 301, 351, 352
- MATH 309 or AMATH 353; not both
- Excluding MATH 398, 399, 497, 498, 499
- No more than two special topic MATH courses numbered 380 or 480

Revised AUG 2021
Continuation Policy
To maintain good academic standing within the Department of Mathematics, students must maintain a minimum major GPA of 2.5 and earn at a numerical grade of a 2.0 or higher in all courses used towards the Math Major – Teacher Prep requirements. Students must also complete at least one course towards the major requirements each quarter they enroll, with the exception of summer qtr.

Advising recommendation: No more than two math courses per quarter.

Course Registration Resources

When are MATH courses typically offered:  math.washington.edu/annual-course-overview
Course descriptions & prerequisites:  washington.edu/students/crcscat/math.html
Registration Time Schedules:  www.washington.edu/students/timeschd/
Undergraduate Special Topics MATH 380/480:  math.washington.edu/special-offerings
Washington Experimental Mathematics Lab (WXML):  
math.washington.edu/events/series/washington-experimental-mathematics-lab
Washington Directed Reading Program (WDRP):  sites.uw.edu/wdrp/
Career Planning:  math.washington.edu/career-planning