

Mathematics

Major

Minor

Teaching Certification Option

Professors:

Hegde, Hughes, K. Lemmert,
K. Parks, Revennaugh

Associate Professors:

Barnet, Elder, Michael (Chair),
Wojnar

Assistant Professor:

Forsythe

Lecturer:

N. Tootoonchi

- You may major or minor in Mathematics
- You may elect the teaching certification option with required internship.
- Elementary Education students may elect a specialization in Mathematics.
- You may elect to focus in Mathematical Sciences (*see next section*). The Mathematical Sciences Focus is designed for mathematics, chemistry, and physics majors.
- The department offers an honors program.

	MAJOR	MINOR	TEACHING CERT. OPTION
Hours Required in Mathematics:	39	21	39
Hours Required in Other Departments:	0	0	42.5
Total Hours Required:	39	21	81.5

Summary of Requirements for Major/Minor in Mathematics

Major

1. Basic Courses (21 hours)

MATH 236 Calculus I (*Core Skill 3*)
MATH 237 Calculus II
MATH 238 Calculus III
MATH 350 Linear Algebra I
MATH 470 Mathematical Models
MATH 491 Seminar in Mathematics (*Capstone*)

2. Electives (18 hours)

Select from courses at the 300 or 400 level, except MATH 340 *Fundamental Concepts of Geometry*, MATH 483 *Theory of Interest*, MATH 485 *Actuarial Mathematics II*, or MATH 495 *Internship in Mathematics*

Minor

1. Basic Courses (12 hours)

MATH 236 Calculus I (*Core Skill 3*)
MATH 237 Calculus II
MATH 238 Calculus III

2. Electives (9 hours)

Select from courses at the 300 or 400 level, except MATH 340 *Fundamental Concepts of Geometry*, MATH 483 *Theory of Interest*, MATH 485 *Actuarial Mathematics II*, or MATH 495 *Internship in Mathematics*

Summary of Requirements for Major in Mathematics - Teaching Certification Option

1. Basic Core Curriculum (21 hours)

MATH 236 Calculus I (*Core Skill 3*)
MATH 237 Calculus II
MATH 238 Calculus III
MATH 350 Linear Algebra I
MATH 470 Mathematical Models and Applications
MATH 491 Seminar in Mathematics (*Capstone*)

2. Mathematics Teaching Certification Option Requirements (18 hours)

MATH 380 Introduction to Probability and Statistics
MATH 437 Combinatorics and Graph Theory
MATH 440 Modern College Geometry
MATH 461 History of Mathematics
MATH 465 Theory of Numbers
MATH 415 Foundations of Mathematics
or MATH 451 Modern Higher Algebra

3. Professional Education Sequence (42.5 hours)

Summary of Requirements for Teaching Certification

If you wish to complete a Maryland State approved program in teaching Mathematics, you must:

- Complete the BA/BS in Mathematics - Teaching Certification Option.
- Meet the phase admissions requirements summarized in the Educational Professions section.
- Complete the professional education sequence described in Education: Secondary School Programs