

MATHEMATICS MAJOR

PLEASE CHOOSE: BA PROGRAM BS PROGRAM

Declaration of Major | 2014-2015 Catalog



EDGEWOOD COLLEGE

Name: _____ ID: _____

Major Advisor Approval: _____ Date: _____

Department Chair Approval: _____ Date: _____

Intended Graduation Month: January August May Intended Graduation Year: _____

THIS FORM IS TO ADD/DECLARE A MAJOR. IF YOU WISH TO DROP/REMOVE A PREVIOUSLY DECLARED MAJOR, YOU MUST SUBMIT A SEPARATE MAJOR DECLARATION DROP FORM. THIS FORM IS AVAILABLE AT REGISTRAR.EDGEWOOD.EDU.

Forty-four credits in mathematics, including:

Required courses:

- MATH 231 M Calculus I
- MATH 232 M Calculus II
- MATH 233 M Calculus III
- MATH 301 U Problem Solving and Proof
- MATH 341 Linear Algebra
- MATH 351 Probability
- MATH 485 KX3 Mathematics Seminar

Transfer credit applied (including AP/CLEP/etc):

Course/Institution:

Students are required to complete at least five additional mathematics course from the following list, chosen with the consent of the student's academic advisor, to include at least one from each of the three pairings. Majors planning to go to graduate school should take both courses in all three pairings:

- MATH 331 Differential Equations

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Analysis Pairing:

- MATH 431 Real Analysis
- MATH 432 Complex Analysis

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Algebra Pairing:

- MATH 441 Abstract Algebra I
- MATH 442 Abstract Algebra II

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Geometry Pairing:

- MATH 461 College Geometry
- MATH 462 Topology

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Policies:

2.5 GPA or above in Mathematics courses required for the major.

C or above to satisfy prerequisite requirements.

Any mathematics course requirement for any major offered within the Mathematics Department, with the exception of MATH 485 KX3, MATH 459, and MATH 451, may be satisfied through the proficiency process established by the department. The minimum residency requirement may not be waived.

Any major within the Mathematics Department must take at least three mathematics courses at or above the 300 level at Edgewood College.

Students intending to major in mathematics or mathematics teaching should take MATH 301 U Problem Solving and Proof concurrently with or as soon as possible after MATH 232 M Calculus II since it is a prerequisite for most of the mathematics courses at the 300 and 400 levels.

Courses in mathematics may not be audited. Courses in the department may be taken Pass/Fail only with the consent of both the instructor and the Mathematics Department Chair.

In order for any mathematics course to count towards any of the mathematics majors, the course must have been completed within five years preceding the date of major declaration. Courses taken prior to that point may be evaluated on an individual basis by the department.