

MATHEMATICS MAJOR (BA or BS PROGRAM)

2015-2016 Catalog

Declaration of Major



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:

Major Requirements:

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

Required Courses:

Course / Institution

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	3KX	Mathematics Seminar*	

Students are required to complete at least five additional mathematics courses 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*	
----------	-------------------------	--

Analysis Pairing:

MATH 431	Real Analysis*	
MATH 432	Complex Analysis*	

Algebra Pairing:

MATH 441	Abstract Algebra I*	
MATH 442	Abstract Algebra II*	

Geometry Pairing:

MATH 461	College Geometry*	
MATH 462	Topology*	

*course has prerequisites

Policies

All mathematics prerequisites for mathematics courses must be completed with a grade of 'C' or above to satisfy the prerequisite requirement.

Courses in mathematics may not be audited. Courses may only be taken Pass/Fail 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 or minors, the course must have been completed with five years preceding the date of major/minor declaration. Courses taken prior to that point will be evaluated on an individual basis by the department.

Any mathematics course requirement for any major or minor offered in the department, with the exceptions of MATH 485, MATH 459 and MATH 451, may be satisfied through the proficiency process established by the department. The minimum residency requirement may not be waived.

A student must have a cumulative grade point average of 2.5 or above in courses required for the major or minor.

A student pursuing 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 or minor in mathematics or mathematics teaching should take MATH 301 concurrently or as soon as possible after Math 232 as it is a prerequisite for most 300 and 400 level math courses.