

# MATHEMATICS MINOR

## Plan Requirements

Campus: UMICH  
Career: UENG  
Program:  
Plan: MATHBSEAOS

RG = Requirement Group  
RQ = Requirement  
LN = Line

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### RG 7294 MATHEMATICS MINOR PREREQUISITES

Effective Date FA01/1360 09/05/2001

RQ 3456	Prerequisites to the Mathematics Minor
Effective Date FA01/1360 09/05/2001	
LN 0010	MATH 115-116.
LN 0020	MATH 175-176.
LN 0030	MATH 185-186.
LN 0040	MATH 295-296.
LN 0050	MATH 156.
LN 0060	Advanced Placement credits in MATH 120 and 121.

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### RG 7295 MATHEMATICS MINOR CORE

Effective Date FA01/1360 09/05/2001

RQ 3455	Second Year Courses (RQ 3455). Two courses from two areas.
Effective Date FA07/1660 09/04/2007	
LN 0010	Multivariable Calculus - MATH 215, 255, or 285.
LN 0020	Multivariable Calculus - Repeated Courses.
LN 0030	Linear Algebra - MATH 214, 217, 417, or 419.
LN 0040	Linear Algebra - Repeated Courses.
LN 0050	Differential Equations - MATH 216, 256, or 286
LN 0060	Differential Equations - Repeated Courses.

Effective Date FA04/1510 09/07/2004	
LN 0010	Multivariable Calculus - MATH 215, 255, or 285.
LN 0020	Multivariable Calculus - Repeated Courses.
LN 0030	Linear Algebra - MATH 214, 217, 417, or 419.
LN 0040	Linear Algebra - Repeated Courses.
LN 0050	Differential Equations - MATH 216, 256, 286, or 316.
LN 0060	Differential Equations - Repeated Courses.

Effective Date FA01/1360 09/05/2001	
LN 0010	Multivariable Calculus - MATH 215, 255, or 285.
LN 0020	Linear Algebra - MATH 214, 217, 417, or 419.
LN 0030	Differential Equations - MATH 216, 256, 286, or 316

RQ 3457	Upper Level Courses: Three Courses from Exactly Two Areas: Analysis / Differential Equations, Algebra / Number Theory, Geometry / Topology, Applied Mathematics, Discrete Mathematics, and Financial / Actuarial Mathematics
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Effective Date FA04/1510 09/07/2004	
LN 0010	Analysis / Differential Equations.
LN 0020	Analysis / Differential Equations - Repeated Courses.
LN 0030	Algebra / Number Theory.
LN 0040	Algebra / Number Theory - Repeated Courses.
LN 0050	Geometry / Topology.
LN 0060	Geometry / Topology - Repeated Courses.
LN 0070	Applied Mathematics.
LN 0080	Applied Mathematics - Repeated Courses.
LN 0090	Discrete Mathematics.

## MATHEMATICS MINOR

### Plan Requirements

LN 0100	Discrete Mathematics - Repeated Courses.
LN 0110	Financial / Actuarial Mathematics.
LN 0120	Financial / Actuarial Mathematics - Repeated Courses.

Effective Date FA01/1360 09/05/2001

LN 0010	Analysis / Differential Equations.
LN 0020	Algebra / Number Theory.
LN 0030	Geometry / Topology.
LN 0040	Applied Mathematics.
LN 0050	Discrete Mathematics.
LN 0060	Financial / Actuarial Mathematics.

#### RQ 3529 Second Year Courses (RQ 3529) One course from one area

Effective Date FA04/1510 09/07/2004

LN 0010	Multivariable Calculus: MATH 215, 255, or 285
LN 0020	Multivariable Calculus - Repeated Courses.
LN 0030	Linear Algebra: MATH 214, 217, 417, or 419.
LN 0040	Linear Algebra - Repeated Courses.
LN 0050	Differential Equations: MATH 216, 256, 286, or 316
LN 0060	Differential Equations - Repeated Courses.

Effective Date FA01/1360 09/05/2001

LN 0010	Multivariable Calculus.
LN 0020	Linear Algebra.
LN 0030	Differential Equations.

#### RQ 3530 Upper Level Courses (RQ 3457) Four courses from exactly two areas

Effective Date FA04/1510 09/07/2004

LN 0010	Analysis / Differential Equations.
LN 0020	Analysis / Differential Equations - Repeated Courses.
LN 0030	Algebra / Number Theory.
LN 0040	Algebra / Number Theory - Repeated Courses.
LN 0050	Geometry / Topology.
LN 0060	Geometry / Topology - Repeated Courses.
LN 0070	Applied Mathematics.
LN 0080	Applied Mathematics - Repeated Courses.
LN 0090	Discrete Mathematics.
LN 0100	Discrete Mathematics - Repeated Courses.
LN 0110	Financial / Actuarial Mathematics.
LN 0120	Financial / Actuarial Mathematics - Repeated Courses.

Effective Date FA01/1360 09/05/2001

LN 0010	Analysis / Differential Equations.
LN 0020	Algebra / Number Theory.
LN 0030	Geometry / Topology.
LN 0040	Applied Mathematics.
LN 0050	Discrete Mathematics.
LN 0060	Financial / Actuarial Mathematics.

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#### RG 7296

#### MATHEMATICS MINOR TOTAL HOURS AND GPA REQUIREMENT

Effective Date FA01/1360 09/05/2001

#### RQ 3459 Total Hours and GPA Requirement for Mathematics Minor

Effective Date FA01/1360 09/05/2001

LN 0010	Minimum 15 hours in the minor
LN 0020	Minimum 10 hours taken in residence
LN 0030	Minimum 2.0 GPA in the minor (precondition not in 0000021)