

Purdue University - College of Science
MINOR IN MATHEMATICS (MATH)

PRE-REQUISITE COURSES FOR MATH MINOR

To complete the required courses for the Mathematics minor, you will need to first complete the following pre-requisite courses [by completing the course or establishing credit]. These courses are not part of the Mathematics minor.

_____	MA 16100 or MA 16500	Plane Analytic Geometry and Calculus I	4-5 credits
_____	MA 16200 or MA 16600	Plane Analytic Geometry and Calculus II	4-5 credits
_____	MA 26100	Multivariate Calculus	4 credits

The Mathematics Minor provides a strong background in mathematics for students majoring in some other discipline. To qualify for the minor, the following classes must be completed with a C- or better.

ALL COURSES FOR THIS MINOR LISTED BELOW MUST BE TAKEN AT PURDUE UNIVERSITY

To obtain a minor in Mathematics, the following courses must be completed.

No substitutions are allowed. A course can only be used in one area.

3 credits from AREA 1

3 credits from AREA 2

6-7 credits from AREA 3

The three courses used for Areas 2 and 3 cannot all be from the same group.

TOTAL CREDITS FOR MINOR: 12-13 credits

AREA 1: CHOOSE ONE COURSE

_____	MA 35100	Elementary Linear Algebra	3 credits
_____	MA 51100	Linear Algebra with Applications	3 credits
_____	MA 26500*	Linear Algebra [must be completed with a B- or better]	3 credits
_____	MA 35300	Linear Algebra II With Applications - [recommended for students with TR or CR for MA 26500]	3 credits

AREA 2: CHOOSE ONE COURSE

_____	MA 45300	Elements of Algebra (Algebra group)	3 credits
_____	MA 45000	Algebra (Honors) (Algebra group)	3 credits
_____	MA 34100	Foundations of Analysis (Analysis group)	3 credits
_____	MA 44000	Real Analysis (Honors) (Analysis group)	3 credits

AREA 3: CHOOSE TWO COURSES

	COURSE #	COURSE TITLE	CREDIT HOURS
_____	_____	_____	_____
_____	_____	_____	_____

Area 3 Choices: in addition to courses listed below, approved mathematics selective courses can also be used:
<http://www.math.purdue.edu/academic/undergrad/selectives>

GROUP
Analysis: MA 30100, 34100, 36200, 51000, 42500
Probability: MA/STAT 41600 OR MA/STAT 51600 OR MA/STAT 51900 [only one]
Algebra: 45300 or 45000
Linear Algebra: MA 35300
Differential Equations: MA 36600** or 30300 or 30400 [only one]

*For many students, MA 26500 may not be adequate preparation for upper division mathematics classes. Students planning a Mathematics Minor should consider taking MA 35100 instead. Only students with a very firm grasp of the MA 26500 material [and a grade of B- or better] should contemplate taking MA 35300 without MA 35100

** MA 26600 with at least a "B-" can be used in place of MA 36600 [only one of MA 26600/36600/30300/or 30400 can be used in Area 3].
 MA 26200 will not be accepted for the minor.