

# Mathematics Major

## First Year

ENGL 1013	Composition I	3	ENGL 1023	Composition II	3
MATH 1043	College Algebra	3	MATH 2255	Calculus I	5
MATH 1033	Trigonometry	3	SPCH 1023	Public Spk. <b>OR</b>	
Minor		3	SPCH 2283	Bus. & Prof. Spch.	3
PSY 1013	Intro. To Psych <b>OR</b>		Minor		3
SOC 2213	Intro. To Sociology	3	HIST 10x3	Survey of Civilization	3
Total		15	Total		17

## Second Year

MATH 3495	Calculus II	5	MATH 3525	Dif. Equations & Multi-Dim. Calc.	5
Supporting Requirement		4	Minor		3
Minor		3	Supporting Requirement		4
Elective		3	ENGL 22x3	World Literature	3
Total		15	Total		15

## Third Year

MATH Elective (Upper Level)		3	MATH Elective (Upper Level)		3
Minor Or MATH Elective (Upper Level)		3	MATH Elective (Upper Level)		3
Social Science Elective		3	Minor		3
ART 1053	Art Appreciation <b>OR</b>		BIOL 1063	Biological Science	3
MUS 1113	Music Appreciation	3	BIOL 1071	Biological Science Laboratory	1
Elective		3	HIST 2213	Amer. History I <b>OR</b>	
Total		15	HIST 2223	Amer. History II <b>OR</b>	
			PSCI 2213	Amer. National Govt.	3
Total		15	Total		16

## Fourth Year

MATH Elective (Upper Level)		3	MATH 4711, Mathematics Seminar		1
Minor Or MATH Elective (Upper Level)		3	MATH Elective (Upper Level)		3
Minor		3	Minor		3
Humanities Elective		3	Elective		9
Elective (Upper Level)		3	Total		16
Total		15	Total		16

Students required to enroll in Developmental courses will either need to attend summer school or take additional courses during the Fall and/or Spring semesters. Credit hours earned in developmental courses do not apply toward the 124 hours required for graduation.

## Specific requirements for a mathematics major.

MATH 2255 Calculus I  
MATH 3495 Calculus II  
MATH 3525 Differential Equations and Multi-Dimensional Calculus  
MATH 3403 Probability & Statistics  
MATH 3453 Abstract Algebra  
MATH 3463 Linear Algebra  
Mathematics Electives: 9 hours at the 2000-4000 level (except courses specifically excluded).

**Supportive Requirements:** *Eight hours from:*

CHEM 1103 General Chemistry I  
CHEM 1113 General Chemistry II  
CHEM 1121 General Chemistry I Laboratory  
CHEM 1131 General Chemistry II Laboratory  
PHYS 2203 General Physics I  
PHYS 2213 General Physics II  
PHYS 2313 University Physics I  
PHYS 2323 University Physics II  
PHYS 2231 Physics Laboratory I  
PHYS 2241 Physics Laboratory II

Students may use General Physics or University Physics, but not both

All majors must complete MATH 4711, Mathematics Seminar, or the secondary education internship in mathematics. Those planning to teach must use MATH 3233 History of Mathematics, MATH 3423 Geometry, and MATH 3513 Discrete Mathematics as their elective courses in mathematics. In addition to other required Education courses, those students must take MAED 4663 Methods of Teaching Mathematics.

The mathematics major requires a minor.

As some courses are not offered every semester it is very important for students to enroll in courses when they are available. The following courses are offered in the indicated semester:

**Every Fall**

MATH 3495 Calculus II  
PHYS 2323 University Physics II

**Every Spring**

MATH 3525 Differential Equations and Multi-Dimensional Calculus  
CHEM 1113 General Chemistry II and  
CHEM 1131 General Chemistry II Lab  
PHYS 2313 University Physics I

**Fall of odd numbered year semesters:**

MAED 4663 Methods of Teaching Mathematics  
MATH 3403 Probability & Statistics  
MATH 3453 Abstract Algebra

**Spring of even numbered years:**

MATH 3513 Discrete Mathematics

**Fall of even numbered years:**

MATH 3413 Number Theory  
MATH 3423 Geometry

**Spring of odd numbered years**

MATH 3233 History of Mathematics  
MATH 3463 Linear Algebra