

## MATHEMATICS OPTION

### Mathematics Option, AA

#### Communications Area

ENC 1101	English Composition I	6 Credit Hours
		3
ENC 1102	English Composition II	3

#### Humanities Area

Visual and Performing Arts (See General Education Requirements)	9 Credit Hours
	3
Philosophy/Religion (See General Education Requirements)	3
Literature (See General Education Requirements)	3

#### Mathematics Area

MAC 2311	Calculus/Anal Geometry I	8 Credit Hours
		4
MAC 2312	Calculus/Anal Geometry II	4

#### Natural Sciences Area

Physical Science (See General Education Requirements) - Note core classes below	6 Credit Hours
	3
Biological Science (See General Education Requirements) - Note core classes below	3

#### Social Sciences Area

Behavioral Sciences (See General Education Requirements)	9 Credit Hours
	3
History (See General Education Requirements)	3
Government (See General Education Requirements)	3

#### Additional Common Prerequisites

+Approved Programming Language	10 Credit Hours	
	3	
MAC 2313	Calculus/Anal Geometry III	4
MAP 2302	Differential Equations	3

Students must take a science course designed for science majors, with the accompanying lab. Additional 1-2  
 Select one of the following with the accompanying lab. •+\*PHY2048, University Physics I, 4 crs. (recommended)+PHY2048L, University Physics I Lab, 1 cr. (recommended)•+ BSC2010, Biology for Science Majors I, 3 crs.+ BSC2010L, Biology for Science Majors I Lab, 1 cr. •+\*CHM1045, General Chemistry, 3 crs.+ CHM1045L, General Chemistry I Lab, 1 cr. •+\*PHY2048 or •+\*CHM1045 will simultaneously satisfy the Physical Science General Education requirement. •+ BSC2010 will simultaneously satisfy the Biological Science General Education requirement

#### Recommended Programming Language Elective:

+COP2224, Introduction to C++ Programming, 3 crs.; or +COP2250, Introduction to Java Programming, 3 crs.

#### Recommended Elective:

+STA2023, Statistics, 3 crs.

• General Education Core. Students must complete at least one identified core course in each area of study—Communications, Humanities, Mathematics, Natural Sciences, and Social Sciences—as part of the general education course requirements.

+ Prerequisites and/or corequisites required. See course descriptions.

\* Minimum grade of "C" required.

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