Mathematics, Program A, B.S.

Sample Plan of Study

First Year		
Fall Semester		**Semester Hours**
RHET:1030	Rhetoric (General Education [GE] requirement)[1]	4
MATH:1850	Calculus I	4
CSI:1300	College Expectations (required)	2
	Elective[3] or World Language, Elementary I (GE)4	3-5
	Total Semester Hours	**13-15**
Spring Semester		
ENGL:1200	Interpretation of Literature (GE)	3
MATH:1860	Calculus II	4
	Elective or World Language, Elementary II (GE)	3-5
MATH:2700	Linear Algebra	4
	Total Semester Hours	**14-16**
Second Year		
Fall Semester		
MATH:2850	Calculus III	4
MATH:3770	Fundamental Properties of Spaces and Functions	4
	GE Elective (e.g., Natural Sciences)	3-4
	Elective or World Language, Intermediate I (GE)	3-5
	Total Semester Hours	**14-17**
Spring Semester		
MATH:3600	Intro. to Ordinary Differential Equations	3
MATH:3720	Intro. to Abstract Algebra	4
	GE Elective (e.g., Natural Sciences)	3-4
	Elective or World Language, Intermediate II (GE)	3-5
	Total Semester Hours	**13-16**

Third Year Fall Semester		
MATH	Required mathematical elective [5]	3
MATH	Required mathematical elective [5]	3
	GE Elective (e.g., Historical Perspectives)	3
	GE Elective (e.g., Values, Society, and Diversity)	3
	Elective	3
	Total Semester Hours	**15**
Spring Semester		
MATH	Required mathematical elective	3
MATH	Required upper-level mathematical elective	3-4
	GE Elective (e.g., Literary, Visual, and Performing Arts)	3
	Elective	3
	Elective	3
	Total Semester Hours	**15-16**
Fourth Year Fall Semester		
MATH	Required upper-level mathematical elective	3-4
MATH	Required upper-level mathematical elective	3-4
	GE Elective (e.g., International and Global Issues)	3
	GE Elective (e.g., Social Science)	3
	Elective	3
	Total Semester Hours	**15-17**
Spring Semester		
	Elective	3
	Elective	3
	Elective	3
	Elective	3
	Total Semester Hours	**12**
	Total Semester Hours:	**111-124**

[1]General Education (GE) courses may be completed in any order unless used as a prerequisite for another course. Please talk to an advisor about the best sequencing of courses. [2]Enrollment in chemistry and math courses require completion of placement exams. [3]Students may use their elective courses to complete a double major, minors, or certificates. [4]Students who have completed four years of a single language in high school have satisfied the CLAS GE World Languages requirement. Enrollment in World Languages courses requires a placement exam, unless enrolling in a first-semester level course. [5]Required mathematical electives must include at least three upper-level MATH courses; some statistics and computer science courses can be included. Students may use their elective courses to complete a double major, minors, or certificates.