MATHEMATICS MAJOR 2013-2014

This checklist is for reference only. Please see the College Catalog and check with your major adviser or department chair to assure compliance with graduation requirements.

Note: Pre-requisites in parentheses

Sem.Taken	Cr. Earned	
		I. Required Mathematics Courses (40 credits):
		MATH 151 Calculus I **(familiarity with high school trigonometry is expected)**
		MATH 152 Calculus II **(MATH 151)**
		MATH 255 Vector Calculus **(MATH 152)**
		MATH 256 Linear Algebra **(MATH 255 or MATH 152 & permission of professor)**
		MATH 281 Foundations of Mathematics I **(MATH 152)**
		MATH 312 Differential Equations **(MATH 256 or MATH 152 & permission of professor)**
		MATH 321 Algebra I **(MATH 282)**
		MATH 322 Algebra II **(MATH 321)**
		MATH 351 Analysis I **(MATH 282)**
		MATH 352 Analysis II **(MATH 351)**

II. All Students must select one of the following 3 options as the capstone experience:

a. St. Mary's Project in Mathematics (8 credits)*

		MATH 493 St. Mary's Project
		MATH 494 St. Mary's Project

or

b. One senior-level mathematics** course & a Senior Project in Mathematics

		MATH 495 Senior Project in Mathematics
		Course 1: _____

or

c. Two senior-level mathematics** courses

		Course 1: _____
		Course 2: _____

* The requirement may also be satisfied by completing a St. Mary's Project in another area. (with approval of department)

** Senior-level mathematics courses carry the designation "MATH 4xx"

Students who are interested in graduate studies in theoretical mathematics should add at least two senior-level courses in theoretical mathematics to their schedules.

		Course 1: _____
		Course 2: _____