

MATHEMATICS MAJOR 2014-2015

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" or COSC440 Theory of Computation/ COSC455 Graph Theory

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: _____

