

**MATHEMATICS MAJOR 2011-2012**

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 ( <b>familiarity with high school trigonometry is expected</b> )
		MATH 152 Calculus II ( <b>MATH 151</b> )
		MATH 255 Vector Calculus ( <b>MATH 152</b> )
		MATH 256 Linear Algebra ( <b>MATH 255 or MATH 152 &amp; permission of professor</b> )
		MATH 281 Foundations of Mathematics I ( <b>MATH 152</b> )
		MATH 312 Differential Equations ( <b>MATH 256 or MATH 152 &amp; permission of prof</b> )
		MATH 321 Algebra I ( <b>MATH 282</b> )
		MATH 322 Algebra II ( <b>MATH 321</b> )
		MATH 351 Analysis I ( <b>MATH 282</b> )
		MATH 352 Analysis II ( <b>MATH 351</b> )

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
	<b>or</b>
	b. One senior-level mathematics** course & a Senior Project in Mathematics
	MATH 495 Senior Project in Mathematics
	Course 1: _____
	<b>or</b>
	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: _____

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a.