UNIVERSITY OF SAINT MARY FOUR-YEAR ACADEMIC PLAN

MATHEMATICS PROGRAM

This four-year plan is valid according to the USM Undergraduate Catalog only and is subject to change. This guide is merely a recommendation. Your actual program may vary. Other factors may impact your time to degree and course sequencing. See the current USM Undergraduate Catalog at **http://www.stmary.edu/catalogs** for more information, including USM academic policies, curriculum, pre-requisites, and course information.

For students entering in an EVEN year:

Freshman Year	
Fall 1 Even	Spring 1 Odd
MA 221 Calculus With Analytic Geometry I (4)	MA 222 Calculus With Analytic Geometry II (4)
GE 114 First Year Experience I (3)	GE 115 First Year Experience II (3)
EN 111 English Composition I (3)	EN 112 English Composition II (3)
History General Education (3)	Social Science General Education (3)
Theology General Education (3)	PH 110 Logic (3)
TOTAL: 16 hours	TOTAL: 16 hours

Sophomore Year	
Fall 2 Odd	Spring 2 Even
MA 372 Mathematical Reasoning (3)	MA 380 Historical Foundations of Mathematics (3)
Theology General Education (3)	Behavioral Science General Education (3)
Literature General Education (3)	Fine Arts General Education (3)
SCA 250 Lifetime Wellness (3)	Elective (3)
Elective (3)	Elective (3)
TOTAL: 15 hours	TOTAL: 15 hours

Junior Year	
Fall 3 Even	Spring 3 Odd
MA 323 Multivariate Calculus (4)	MA 371 Mathematical Modeling (3)
MA 463 Abstract Algebra (3)	MA 455 Modern Geometry (3)
Physics I or General Chemistry I or Microeconomics* or Accounting I* (3 – 4)	Physics II or General Chemistry II or Macroeconomics* or Accounting II* (3 – 4)
Elective (3)	Elective (3)
Elective (3)	Elective (3)
	Elective (3)
TOTAL: 16-17 hours	TOTAL: 18-19 hours

Senior Year	
Fall 4 Odd	Spring 4 Even
MA 364 Linear Algebra (3)	MA 437 Probability and Statistics (3)
MA 596 Senior Seminar (2)	Elective (3)
Elective (3)	
TOTAL: 17 hours	TOTAL: 15 hours

^{*} Students taking these courses will also need to take a Science with Lab General Education Course.

For students entering in an ODD year:

Freshman Year	
Fall Odd	Spring Even
MA 221 Calculus With Analytic Geometry I (4)	MA 222 Calculus With Analytic Geometry II (4)
GE 114 First Year Experience I (3)	GE 115 First Year Experience II (3)
EN 111 English Composition I (3)	EN 112 English Composition II (3)
History General Education (3)	Social Science General Education (3)
Theology General Education (3)	PH 110 Logic (3)
TOTAL: 16 hours	TOTAL: 16 hours

Sophomore Year		
Fall Even	Spring Odd	
MA 323 Multivariate Calculus (4)	MA 371 Mathematical Modeling (3)	
Theology General Education (3)	Behavioral Science General Education (3)	
Physics I or General Chemistry I or Microeconomics* or Accounting I* (3 – 4)	Physics II or General Chemistry II or Macroeconomics* or Accounting II* (3 – 4)	
Literature General Education (3)	Elective (3)	
SCA 250 Lifetime Wellness (3)	Elective (3)	
TOTAL: 16-17 hours	TOTAL: 15-16 hours	

Junior Year	
Fall Odd	Spring Even
MA 364 Linear Algebra (3)	MA 380 Historical Foundations of Mathematics (3)
MA 372 Mathematical Reasoning (3)	MA 437 Probability and Statistics (3)
Elective (3)	Elective (3)
Elective (3)	Elective (3)
Elective (3)	Elective (3)
	Elective (3)
TOTAL: 15 hours	TOTAL: 18 hours

Senior Year	
Fall 4 Even	Spring 4 Odd
MA 463 Abstract Algebra (3)	MA 455 Modern Geometry (3)
MA 596 Senior Seminar (2)	Elective (3)
Elective (3)	
TOTAL: 17 hours	TOTAL: 15 hours

^{*} Students taking these courses will also need to take a General Education Science Course with lab.