

SECONDARY EDUCATION-MATHEMATICS MAJOR

This four-year plan is valid for the 2011-2012 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/ugrad/default.htm> for more information, including USM academic policies, curriculum, pre-requisites, and course information.

Secondary Education-Mathematics Program Four-Year Plan (Even Start)

FRESHMEN 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 437 Probability and Statistics (3)
Theology General Education (3)	MA 380 Historical Foundations of Mathematics (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)	PY 290 Psychology of Childhood and Adolescence (3)
SCA 250 Lifetime Wellness (3)	Fine Arts General Education (3)
Elective (3)	
Total: 18-19 hours	Total: 15-16 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)
ED 402 Foundations of Education (4)	ED 576 Teaching Reading in the Curriculum (3)
ED 428 Psychological Foundations (3)	ED 430 Educating Exceptional Children (3)
Elective (3)	Elective (3)
	Elective (3)
Total: 17 hours	Total: 18 hours

SENIOR YEAR	
FALL 4 (Odd)	SPRING 4 (Even)
MA 364 Linear Algebra (3)	ED 590 Seminar III: Professional Collaborations (1)
MA 596 Senior Seminar (2)	ED 594 Classroom Management and Student Motivation (3)
ED 522 Methods of Teaching Diverse Learners (3)	ED 596 Student Teaching (8)
ED 589 Secondary Methods (3)	
Elective (3)	
Elective (3)	
Total: 17 hours	Total: 12 hours

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

Secondary Education-Mathematics Program Four-Year Plan (Odd Start)

FRESHMEN YEAR	
FALL 1 (Odd)	SPRING 1 (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 2 (Even)	SPRING 2 (Odd)
MA 323 Multivariate Calculus (4)	MA 371 Mathematical Modeling (3)
Theology General Education (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)
Literature General Education (3)	PY 290 Psychology of Childhood and Adolescence (3)
SCA 250 Lifetime Wellness (3)	Fine Arts General Education (3)
	Elective (3)
Total: 16-17 hours	Total: 18-19 hours

JUNIOR YEAR	
FALL 3 (Odd)	SPRING 3 (Even)
MA 364 Linear Algebra (3)	MA 380 Historical Foundations of Mathematics (3)
MA 372 Mathematical Reasoning (3)	MA 437 Probability and Statistics (3)
ED 402 Foundations of Education (4)	ED 576 Teaching Reading in the Curriculum (3)
ED 428 Psychological Foundations (3)	ED 430 Educating Exceptional Children (3)
Elective (3)	Elective (3)
	Elective (3)
Total: 16 hours	Total: 18 hours

SENIOR YEAR	
FALL 4 (Even)	SPRING 4 (Odd)
MA 463 Abstract Algebra (3)	ED 590 Seminar III: Professional Collaborations (1)
MA 596 Senior Seminar (2)	ED 594 Classroom Management and Student Motivation (3)
ED 522 Methods of Teaching Diverse Learners (3)	ED 596 Student Teaching (8)
ED 589 Secondary Methods (3)	
Elective (3)	
Elective (3)	
Total: 17 hours	Total: 12 hours

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