



SAMPLE FOUR-YEAR PLAN FOR APPLIED MATHEMATICS

Updated: March 2010

Note: Students must complete a written comprehensive exam, and maintain a minimum GPA of 2.0 in all mathematics courses. Students are strongly encouraged to complete a minor or second major in a related field.

JANUARY TERM

Students admitted Fall 2007 or later are required to complete a minimum of two January terms.		CR
Transfer students who transfer in 40 credits or more are required to complete at least one January term.		
J term 1		3
J term 2		3

FIRST YEAR FALL SEMESTER

FIRST YEAR SPRING SEMESTER

Title	CR	Title	CR
LIB 100 Modes of Inquiry	3	Catholic tradition (LIB 130 or 135)	3
Writing requirement (LIB 105 or ENG 111) or speaking requirement (LIB 110)	3	Writing requirement (LIB 105 or ENG 111) or speaking requirement (LIB 110)	3
Math Modeling (MAT 150 Calculus I)	4	MAT 160	4
Electives	6	Electives	6

SOPHOMORE YEAR FALL SEMESTER

SOPHOMORE YEAR SPRING SEMESTER

Title	CR	Title	CR
LIB 220 Democracy & Global Diversity or Catholic tradition (LIB 130 or 135)	3	LIB 220 Democracy & Global Diversity or general elective	3
MAT 250 Linear Algebra	3	MAT 230 Discrete Math	3
CIT 115 Software Basics	4	Advanced General Education course	3-4
MAT 260 Calculus III	4	CIT 225 Data Structures	4
Elective	3	Elective	3

JUNIOR YEAR FALL SEMESTER

JUNIOR YEAR SPRING SEMESTER

Title	CR	Title	CR
MAT 390 Math Seminar	1	MAT 390 Math Seminar	1
MAT 460 Real Analysis (if odd year) or math elective	3	MAT 220 Probability & Statistics	3
Advanced General Education course	3-4	Portfolio	1
Electives	6	Advanced General Education cluster	6-7
		MAT 310 Ordinary Differential Equations	3

SENIOR YEAR FALL SEMESTER

SENIOR YEAR SPRING SEMESTER

Title	CR	Title	CR
MAT 490 Senior Math Seminar	2	MAT 370 (if odd year)	3
MAT 390 Math Seminar	1	Electives	12
Advanced General Education course	3-4		
Electives	9		