



SAMPLE FOUR-YEAR PLAN FOR PURE MATHEMATICS

Updated: March 2010

Note: Students must complete a written comprehensive exam, and maintain a minimum GPA of 2.0 in all mathematics courses.

JANUARY TERM

Students admitted Fall 2007 or later are required to complete a minimum of two January terms. Transfer students who transfer in 40 credits or more are required to complete at least one January term.		CR
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	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	MAT 160 Calculus II	4
MAT 150 Calculus I-FM	4	Catholic tradition (L.LIB 130 or L.LIB 135) or elective	3
Electives	6	Elective credit	4

SOPHOMORE YEAR FALL SEMESTER

SOPHOMORE YEAR SPRING SEMESTER

Title	CR	Title	CR
LIB 220 Democracy & Global Diversity or Catholic tradition (LIB 130 or 135) or elective	3	LIB 220 Democracy & Global Diversity or elective	3
MAT 250 Linear Algebra	3	MAT 230 Discrete Mathematics	3
PHY 223 Physics for Scientists & Engineers	5	MAT 260 Calculus III	4
CIT 115 Software Basics	4	Advanced General Education course	3
		Elective	3

JUNIOR YEAR FALL SEMESTER

JUNIOR YEAR SPRING SEMESTER

Title	CR	Title	CR
MAT 450 Modern Algebra or MAT 460 Real Analysis	3	MAT 390 Math Seminar	1
MAT 390 Math Seminar	1	Major Elective	3
Advanced General Education course	3-4	LIB 305 Portfolio	1
Electives	6-7	Advanced General Education cluster	6-7
		Elective	3

SENIOR YEAR FALL SEMESTER

SENIOR YEAR SPRING SEMESTER

Title	CR	Title	CR
MAT 490 Senior Seminar	2	Major Elective	3
MAT 390 Math Seminar	1	Electives	12
MAT 450 Modern Algebra or MAT 460 Real Analysis	3		
Advanced General Education course	3-4		
Electives	6		