SAMPLE 4-YEAR PLAN: MATHEMATICS - GENERAL B.S.

Northern Kentucky University

This is **one way** a student can complete this program in four years if the student requires no remedial courses.

MAJOR: Mathematics
TRACK: General Mathematics

FIRST YEAR	Fall Semester		Spring Semester	
	MAT 129 Calculus I[1]	4	MAT 229 Calculus II	5
	MAT 194 Mathematical Sciences Seminar	1	STA 250 Probability and Statistics I	3
	Gen Ed: Communication; Written I	3	Gen Ed: Communication; Oral	3
	General education	3	Elective/minor	3
	Elective/minor	3		
	TOTAL	**14**	**TOTAL**	**14**
SECOND YEAR	Fall Semester		Spring Semester	
	MAT 234 Linear Algebra	3	MAT 325 Differential Equations	3
	MAT 329 Calculus III	4	MAT 302 Introduction to Higher Mathematics	3
	Gen Ed: Communication; Written II	3	Gen Ed: Scientific and Quantitative Inquiry; Natural Sciences with lab	4
	Gen Ed: Scientific and Quantitative Inquiry; Natural Sciences without lab	3	General education	3
	Elective/minor	3	Elective/minor	3
	TOTAL	**16**	**TOTAL**	**16**
THIRD YEAR	Fall Semester		Spring Semester	
	MAT 345 Introduction to Geometry	3	MAT 310 Elementary Theory of Numbers	3
	MAT 330 Classical Applied Analysis	3	STA 341 Statistics II	3
	General education	3	General education	3
	CSC 270 Mathematics Software Programming	3	Elective / minor	3
	Elective / minor 300 level or above	3	Elective / minor 300 level or higher	3
	TOTAL	**15**	**TOTAL**	**15**
FOURTH YEAR	Fall Semester		Spring Semester	
	MAT 497 Mathematical Sciences Capstone	3	MAT/STA major elective	3
	Elective / minor	3	Elective / minor	3
	General education	3	Elective / minor	3
	Elective / minor 300 level or above	3	Elective / minor	3
	Elective / minor 300 level or above	3	Elective / minor 300 level or above	3
			MAT 489 Comprehensive Examination	0
	TOTAL	**15**	**TOTAL**	**15**
			GRAND TOTAL OF CREDITS	**120**

Notes: This plan is ONE way in which you can complete your degree program in four years; it is not the only way. It assumes that you have a mathematical background sufficient to begin with calculus as evidenced by a mathematics ACT score of 25 or greater, or a mathematics SAT score of 570 or greater. It also assumes that you are not a transfer student, and you are beginning in the fall.

[1]MAT 129 satisfies the mathematics general education requirement.