

Mathematics Major Requirements Fall 2009

Core Courses

_____	MAT 129 <i>Calculus I</i>		_____	MAT 128 <i>Calculus A</i>
_____	MAT 229 <i>Calculus II</i>	OR	_____	MAT 227 <i>Calculus B</i>
_____			_____	MAT 228 <i>Calculus C</i>
_____	MAT 194 <i>Mathematical Sciences Seminar</i>			
_____	MAT 234 <i>Linear Algebra</i>			
_____	STA 250 <i>Probability and Statistics I</i>			
_____	CSC 270 <i>Mathematics Software Programming</i> (or INF 260)			
_____	MAT 329 <i>Multivariable Calculus</i>			
_____	MAT 497 <i>Mathematical Sciences Seminar</i>			

Electives: One of the following course tracks

Pure Mathematics Track:	_____	MAT 302
	_____	MAT 310 or MAT 410
	_____	MAT 420 or MAT 430
	_____	Two (2) 400-level MAT/STA courses
	_____	One (1) 300-level or above MAT/STA course

Applied Mathematics Track:	_____	MAT 325
	_____	Two (2) of MAT 330, MAT 360, MAT 375 and SCI 370
	_____	Three (3) 300-level or above MAT/STA courses

General Mathematics Track:	_____	MAT 302
	_____	MAT 345
	_____	MAT 310 or MAT 410
	_____	STA 341
	_____	Complete one (1) of the following pair of courses:
		MAT/STA 340 & STA 341
		MAT 325 & MAT 330
		MAT 310 & MAT 410
		TWO (2) 400-level MAT or STA courses
	_____	Sufficient 300-level or above MAT/STA courses
		for 44 credit hours for the major

A grade of C or better is required in each course applied to the major.

At least 9 semester hours towards the major must be taken at NKU.

The Double Major in Mathematics and Statistics

A double major in mathematics and statistics requires a minimum of 58 credit hours of courses which satisfy either major while meeting the requirements for both majors.

The Minor in Mathematical Sciences

Students wishing to obtain a minor in mathematical sciences must take 21 semester hours of mathematics and statistics courses numbered 110 or higher as well as CSC270 . A GPA of at least 2.00 in all courses applied to the minor is required.