

Academic Year 2017 - 2018

<b>CORE COURSES:</b>	<input type="checkbox"/>	MAT 129 Calculus I	<b>OR</b>	<input type="checkbox"/>	MAT 128 Calculus A
	<input type="checkbox"/>	MAT 229 Calculus II		<input type="checkbox"/>	MAT 227 Calculus B
	<input type="checkbox"/>			<input type="checkbox"/>	MAT 228 Calculus C
	<input type="checkbox"/>	MAT 194 Mathematical Sciences Seminar			
	<input type="checkbox"/>	MAT 234 Linear Algebra			
	<input type="checkbox"/>	STA 250 Probability and Statistics I			
	<input type="checkbox"/>	CSC 270 Mathematics Software Programming (or CSC 260)			
	<input type="checkbox"/>	MAT 329 Multivariable Calculus			
	<input type="checkbox"/>	MAT 489 Comprehensive Exam			

<b>ELECTIVE COURSES:</b> One of the following course tracks.	<b>Pure Mathematics Track:</b>		<input type="checkbox"/>	MAT 302 Introduction to Higher Mathematics
			<input type="checkbox"/>	MAT 310 Elementary Theory of Numbers <b>OR</b> MAT 410 Abstract Algebra
			<input type="checkbox"/>	MAT 420 Real Variables <b>OR</b> MAT 430 Complex Variables
			<input type="checkbox"/>	THREE 300 level or above MAT/STA courses, including TWO 400 level courses, excluding MAT/STA 490/491
			<input type="checkbox"/>	_____
			<input type="checkbox"/>	_____
			<input type="checkbox"/>	_____
	<b>Applied Mathematics Track:</b>		<input type="checkbox"/>	CSC 270 Mathematics Software Programming <b>OR</b> (the one not chosen in Core) CSC 260 Object-Oriented Programming I
			<input type="checkbox"/>	MAT 325 Differential Equations
			<input type="checkbox"/>	TWO of: MAT 330 Classical Applied Analysis MAT 360 Numerical Analysis MAT 375 Applied Mathematical Models MAT 430 Complex Variables MAT 483 Cryptology
		<input type="checkbox"/>	THREE 300 level or above MAT/STA courses, excluding MAT/STA 490/491	
		<input type="checkbox"/>	_____	
		<input type="checkbox"/>	_____	
		<input type="checkbox"/>	_____	
<b>General Mathematics Track:</b>		<input type="checkbox"/>	MAT 302 Introduction to Higher Mathematics	
		<input type="checkbox"/>	MAT 345 Introduction to Geometry	
		<input type="checkbox"/>	MAT 310 Elementary Theory of Numbers <b>OR</b> MAT 410 Abstract Algebra	
		<input type="checkbox"/>	STA 341 Statistics II	
		<b>AND ONE OF THESE SEQUENCES OF COURSES:</b>		
		<input type="checkbox"/>	STA 310 Elementary Theory of Numbers <b>OR</b> MAT 410 Abstract Algebra I <b>AND</b> one other 300-level or above MAT/STA course	
		<input type="checkbox"/>	MAT 325 Differential Equations <b>AND</b> MAT 375 Applied Mathematical Models	
		<input type="checkbox"/>	MAT 340 Probability II <b>AND</b> one other 300-level or above MAT/STA course	
		<input type="checkbox"/>	Two 400-level MAT/STA courses, excluding MAT/STA 490/491	

*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 consists of satisfying the degree requirements of both majors with a minimum of 58 credit hours of courses applicable to either major.