

Mathematics Major Checklist

Academic Year 2014 - 2015

CORE COURSES:	<input type="checkbox"/>	MAT 129 Calculus I	OR	<input type="checkbox"/>	MAT 128 Calculus A
	<input type="checkbox"/>	MAT 229 Calculus II		<input type="checkbox"/>	MAT 227 Calculus B
				<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 INF 260)			
	<input type="checkbox"/>	MAT 329 Multivariable Calculus			
<input type="checkbox"/>	MAT 497 Mathematical Sciences Capstone				

ELECTIVE COURSES: One of the following course tracks:	Pure Mathematics Track:		<input type="checkbox"/>	MAT 302 Introduction to Higher Mathematics
			<input type="checkbox"/>	MAT 310 Elementary Theory of Numbers OR MAT 410 Abstract Algebra
			<input type="checkbox"/>	MAT 420 Real Variables I OR MAT 430 Complex Variables
			<input type="checkbox"/>	ONE 300 Level or above MAT/STA Course _____
			<input type="checkbox"/>	TWO 400 Level MAT/STA Courses _____
			<input type="checkbox"/>	_____
	Applied Mathematics Track:		<input type="checkbox"/>	MAT 325 Differential Equations
			<input type="checkbox"/>	TWO of: MAT 330 Classical Applied Analysis
			<input type="checkbox"/>	MAT 360 Numerical Analysis
			<input type="checkbox"/>	MAT 375 Applied Mathematical Models
			<input type="checkbox"/>	THREE 300 level or above MAT/STA Courses _____
			<input type="checkbox"/>	_____
			<input type="checkbox"/>	_____
General Mathematics Track:		<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 OR MAT 410 Abstract Algebra	
		<input type="checkbox"/>	STA 341 Statistics II	
		<i>AND ONE OF THESE SEQUENCES OF COURSES:</i>		
		<input type="checkbox"/>	STA 340 Probability II AND one other 300-level or above MAT/STA Course	
		<input type="checkbox"/>	MAT 325 Differential Equations AND MAT 330 Classical Applied Analysis	
		<input type="checkbox"/>	MAT 310 Elementary Theory of Numbers OR MAT 410 Abstract Algebra I AND one other 300-level or above MAT/STA course	
		<input type="checkbox"/>	Two 400-level MAT/STA courses	
<i>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.</i>				

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.