



MATHEMATICAL SCIENCES Emphasis Area

FOR ADVISING PURPOSES ONLY, SEE COLLEGE CATALOG FOR DEGREE REQUIREMENTS

Complete the following courses through elective or General Education classes, or receive credit by examination:	Credits	Pre-requisites / Notes
<input type="checkbox"/> MATH 1050 College Algebra / Pre-Calculus**	4	MATH 1010 (C or higher) or ACT 23 or higher
<input type="checkbox"/> MATH 1060 Trigonometry**	3	MATH 1050 (C or higher) or ACT 25 or higher
<input type="checkbox"/> MATH 1210 Calculus I	5	MATH 1060 (C or higher) OR MATH 1065 (C or higher) OR ACT 26 or better
<input type="checkbox"/> MATH 1220 Calculus II	4	MATH 1210 (C or higher)
<input type="checkbox"/> MATH 2200 Discrete Mathematics	3	MATH 1210 (C or higher)
** The following course can be used to substitute for MATH 1050 and MATH 1060 above:		
<input type="checkbox"/> MATH 1065 Pre-Calculus with Trigonometry	5	MATH 1010 (B or higher) or ACT score 25 or higher
Complete 15 credits from the following courses:		
<input type="checkbox"/> MATH 3000 History of Mathematics	3	MATH 1220 (C or higher)
<input type="checkbox"/> MATH 3100 Euclidean / Non-Euclidean Geometry	3	MATH 2200 (C or higher)
<input type="checkbox"/> MATH 3200 Intro. To Analysis I	3	MATH 2200 & 2210 (C or higher)
<input type="checkbox"/> MATH 3210 Intro. To Analysis II	3	MATH 3200 (C or higher)
<input type="checkbox"/> MATH 3400 Probability and Statistics	3	MATH 1220 (C or higher)
<input type="checkbox"/> MATH 3500 Numerical Analysis	3	MATH 2270 & 2280 (C or higher)
<input type="checkbox"/> MATH 3900 Number Theory	3	MATH 2200 (C or higher)
<input type="checkbox"/> MATH 4000 Foundations of Algebra	3	MATH 2200 (C or higher)
<input type="checkbox"/> MATH 4010 Abstract Algebra	3	MATH 4000 (C or higher)
<input type="checkbox"/> MATH 4100 Intro. To Topology	3	MATH 2200 & 2210 (C or higher)
<input type="checkbox"/> MATH 4200 Intro. To Complex Analysis	3	MATH 3200 (C or higher)

NOTE: Grade C or higher in each Emphasis Area course required.