

YEAR TERM		MAJOR COURSES					GENERAL EDUCATION		TOTAL CREDITS
YEAR 1	FALL	<b>MATH 170</b> 4 CALCULUS I Pre-Req: Requires Placement or MATH 136 or MATH 141		<b>CSCI 125</b> 3 COMPUTER PROGRAMMING I Co-Req: MATH 136, MATH 141 or higher		<b>GENERAL ELECTIVE</b> 3	<b>FCWR 101/111</b> 3 FOUNDATIONS OF COLLEGE COMPOSITION Pre-Req: Requires Placement	<b>DATA 101</b> 3 MAKING SENSE OF A DATA-ORIENTED SOCIETY	16
	SPRING	<b>MATH 180</b> 4 CALCULUS II Pre-Req: MATH 170		<b>CSCI 185</b> 3 COMPUTER PROGRAMMING II Pre-Req: CSCI 125	<b>PHYS 170</b> 4 GENERAL PHYSICS I Co-Req: MATH 170	<b>GENERAL ELECTIVE</b> 3	<b>FCWR 151/161</b> 3 FOUNDATIONS OF RESEARCH WRITING Pre-Req: FCWR 101/111		17
YEAR 2	FALL	<b>MATH 260</b> 4 CALCULUS III Pre-Req: MATH 180	<b>MATH 220</b> 3 PROBABILITY & STATISTICS Pre-Req: MATH 180		<b>PHYS 180</b> 4 GENERAL PHYSICS II Pre-Req: PHYS 170; Co-Req: MATH 180	<b>GENERAL ELECTIVE</b> 3			14
	SPRING	<b>MATH 350</b> 3 ADVANCED CALCULUS Pre-Req: MATH 260	<b>MATH 310</b> 3 LINEAR ALGEBRA Pre-Req: MATH 180	<b>MATH 330</b> 4 COMPUTATIONAL ANALYSIS Pre-Req: MATH 260	<b>CSCI 235</b> 3 ELEMENTS OF DISCRETE STRUCTURES Pre-Req: CSCI 185 and MATH 170		<b>FCWR 3XX</b> 3 PROFESSIONAL COMMUNICATION CHOICE Pre-Req: FCWR 151/161		16
YEAR 3	FALL	<b>MATH 320</b> 3 DIFFERENTIAL EQUATIONS Pre-Req: MATH 260	<b>MATH 410</b> 3 NUMERICAL LINEAR ALGEBRA Pre-Req: MATH 310		<b>CSCI 312</b> 3 THEORY OF COMPUTATIONS Pre-Req: CSCI 235	<b>COMPUTER SCIENCE ELECTIVE</b> 3	<b>ICXX 3XX *</b> 3 SEMINAR CHOICE (ICBS, ICLT, ICPH, or ICSS**) Pre-Req: FCWR 101/111 and FCWR 151/161		15
	SPRING	<b>MATH 455</b> 3 NUMERICAL ANALYSIS Pre-Req: MATH 320			<b>SCIENCE ELECTIVE</b> 4	<b>GENERAL ELECTIVE</b> 3	<b>ICXX 3XX *</b> 3 SEMINAR CHOICE (ICBS, ICLT, ICPH, or ICSS**) Pre-Req: FCWR 101/111 and FCWR 151/161		13
YEAR 4	FALL	<b>MATH 440</b> 3 NUMERICAL OPTIMIZATION Pre-Req: MATH 410	<b>MATH ELECTIVE</b> 3	<b>MATH ELECTIVE</b> 3		<b>GENERAL ELECTIVE</b> 3	<b>ICXX 3XX *</b> 3 SEMINAR CHOICE (ICBS, ICLT, ICPH, or ICSS**) Pre-Req: FCWR 101/111 and FCWR 151/161		15
	SPRING	<b>MATH 490</b> 5 MATHEMATICAL MODELING CAPSTONE Pre-Req: MATH 450 or MATH 455			<b>CSCI 335</b> 3 DESIGN AND ANALYSIS OF ALGORITHMS Pre-Req: CSCI 260	<b>GENERAL ELECTIVE</b> 3	<b>ICXX 3XX *</b> 3 SEMINAR CHOICE (ICBS, ICLT, ICPH, or ICSS**) Pre-Req: FCWR 101/111 and FCWR 151/161		14
CREDITS									<b>120</b>

\*Of the four required ICXX seminar courses (ICBS, ICLT, ICPH, ICSS), at least three must be in different subject areas.

\*\* IENG 400 (Technology and Global Issues) may be substituted for an ICSS choice.

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Course names, numbers and/or pre-requisites are subject to change.

Grades for all MATH courses must be a C or higher.

The combined GPA for all mathematics courses must be a 2.7 or higher.