

YEAR TERM		MAJOR COURSES					CORE COURSES		TOTAL CREDITS
YEAR 1	FALL	<b>MATH 170</b> 4 CALCULUS I Pre-Req: Placement Exam 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*</b> 3 FOUNDATIONS OF COLLEGE COMPOSITION Pre-Req: Placement or WRIT 100	<b>FCIQ 101</b> 3 FOUNDATIONS OF INQUIRY	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>FCWR 151*</b> 3 FOUNDATIONS OF RESEARCH WRITING Pre-Req: FCWR 101	<b>FCSC 101</b> 3 FOUNDATIONS OF SCIENTIFIC PROCESS	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>FCSP 105</b> 3 FOUNDATIONS OF SPEECH COMMUNICATION		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		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>ICLT 3XX**</b> 3 LITERATURE CHOICE		15
	SPRING	<b>MATH 455</b> 3 NUMERICAL ANALYSIS Pre-Req: MATH 320			<b>SCIENCE ELECTIVE</b> 4	<b>GENERAL ELECTIVE</b> 3	<b>ICBS 3XX**</b> 3 BEHAVIORAL SCIENCE CHOICE		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>ICPH 3XX**</b> 3 PHILOSOPHY CHOICE		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>ICSS 3XX**</b> 3 <b>OR</b> <b>IENG 400</b> TECHNOLOGY AND GLOBAL ISSUES		14
CREDITS									<b>120</b>

\*Non-native English speakers should take FCWR 111 in lieu of FCWR 101 and FCWR 161 in lieu of FCWR 151.

\*\*Pre-Req: FCWR 101, FCWR 151, FCIQ 101, FCSP 105, FCSC 101