

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>PHYS 170</b> 4 GENERAL PHYSICS I Co-Req: MATH 170		<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	17
	SPRING	<b>MATH 180</b> 4 CALCULUS II Pre-Req: MATH 170		<b>PHYS 180</b> 4 GENERAL PHYSICS II Pre-Req: PHYS 170; Co-Req: MATH 180	<b>PHYS 310</b> 3 OPTICS Pre-Req: PHYS 170; Co-Req: PHYS 180		<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 310</b> 3 LINEAR ALGEBRA Pre-Req: MATH 180	<b>PHYS 225</b> 3 INTRO TO MODERN PHYSICS Pre-Req: PHYS 180	<b>PHYS 226</b> 1 INTRO TO MODERN PHYSICS/MODERN PHYSICS LAB Co-Req: PHYS 225		<b>FCSP 105</b> 3 FOUNDATIONS OF SPEECH COMMUNICATION		14
	SPRING	<b>MATH 350</b> 3 ADVANCED CALCULUS Pre-Req: MATH 260	<b>PHYS 320</b> 4 QUANTUM MECHANICS I Pre-Req: PHYS 180 and MATH 310	<b>PHYS 341</b> 4 ANALYTICAL MECHANICS Pre-Req: PHYS 180			<b>FCWR 3XX</b> 3 PROFESSIONAL COMMUNICATION CHOICE Pre-Req: FCWR 151		14
YEAR 3	FALL	<b>MATH 320</b> 3 DIFFERENTIAL EQUATIONS Pre-Req: MATH 260	<b>PHYS 330</b> 3 ADVANCED PHYSICS LAB I Pre-Req: PHYS 180 and MATH 260	<b>PHYS 370</b> 4 ELECTRICITY AND MAGNETISM Pre-Req: PHYS 180 and MATH 260		<b>PHYSICS ELECTIVE</b> 3	<b>ICLT 3XX**</b> 3 LITERATURE CHOICE		16
	SPRING	<b>PHYS 451</b> 4 MATH METHODS IN PHYSICS Pre-Req: MATH 260 and PHYS 225	<b>PHYS 332</b> 3 ADVANCED PHYSICS LAB II Pre-Req: PHYS 331	<b>PHYS 390</b> 4 STATISTICAL MECHANICS Pre-Req: PHYS 320			<b>ICBS 3XX**</b> 3 BEHAVIORAL SCIENCE CHOICE		14
YEAR 4	FALL	<b>PHYS 490</b> 2 SPECIAL TOPICS Pre-Req: PHYS 320	<b>PHYSICS ELECTIVE</b> 3		<b>GENERAL ELECTIVE</b> 3	<b>GENERAL ELECTIVE</b> 3	<b>ICPH 3XX**</b> 3 PHILOSOPHY CHOICE		14
	SPRING	<b>PHYS 490</b> 2 SPECIAL TOPICS Pre-Req: PHYS 320	<b>PHYSICS ELECTIVE</b> 3		<b>GENERAL ELECTIVE</b> 3	<b>GENERAL ELECTIVE</b> 3	<b>ICSS 3XX**</b> 3 <u>OR</u> <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