

YEAR TERM		MAJOR COURSES					CORE COURSES		TOTAL CREDITS
YEAR 1	FALL	MATH 170 4 CALCULUS I Pre-Req: Placement Exam or MATH 136 or MATH 141		PHYS 170 4 GENERAL PHYSICS I Co-Req: MATH 170		GENERAL ELECTIVE 3	FCWR 101* 3 FOUNDATIONS OF COLLEGE COMPOSITION Pre-Req: Placement or WRIT 100	FCIQ 101 3 FOUNDATIONS OF INQUIRY	17
	SPRING	MATH 180 4 CALCULUS II Pre-Req: MATH 170		PHYS 180 4 GENERAL PHYSICS II Pre-Req: PHYS 170; Co-Req: MATH 180	PHYS 310 3 OPTICS Pre-Req: PHYS 170; Co-Req: PHYS 180		FCWR 151* 3 FOUNDATIONS OF RESEARCH WRITING Pre-Req: FCWR 101	FCSC 101 3 FOUNDATIONS OF SCIENTIFIC PROCESS	17
YEAR 2	FALL	MATH 260 4 CALCULUS III Pre-Req: MATH 180	MATH 310 3 LINEAR ALGEBRA Pre-Req: MATH 180	PHYS 225 3 INTRO TO MODERN PHYSICS Pre-Req: PHYS 180	PHYS 226 1 INTRO TO MODERN PHYSICS/MODERN PHYSICS LAB Co-Req: PHYS 225		FCSP 105 3 FOUNDATIONS OF SPEECH COMMUNICATION		14
	SPRING	MATH 350 3 ADVANCED CALCULUS Pre-Req: MATH 260	PHYS 320 4 QUANTUM MECHANICS I Pre-Req: PHYS 180 and MATH 310	PHYS 340 4 ANALYTICAL MECHANICS Pre-Req: PHYS 180			FCWR 3XX 3 PROFESSIONAL COMMUNICATION CHOICE Pre-Req: FCWR 151		14
YEAR 3	FALL	MATH 320 3 DIFFERENTIAL EQUATIONS Pre-Req: MATH 260	PHYS 330 3 ADVANCED PHYSICS LAB I Pre-Req: PHYS 180 and MATH 260	PHYS 370 4 ELECTRICITY AND MAGNETISM Pre-Req: PHYS 180 and MATH 260		PHYSICS ELECTIVE 3	ICLT 3XX** 3 LITERATURE CHOICE		16
	SPRING	PHYS 450 4 MATH METHODS IN PHYSICS Pre-Req: MATH 260 and PHYS 225	PHYS 332 3 ADVANCED PHYSICS LAB II Pre-Req: PHYS 331	PHYS 390 4 STATISTICAL MECHANICS Pre-Req: PHYS 320			ICBS 3XX** 3 BEHAVIORAL SCIENCE CHOICE		14
YEAR 4	FALL	PHYS 490 2 SPECIAL TOPICS Pre-Req: PHYS 320	PHYSICS ELECTIVE 3		GENERAL ELECTIVE 3	GENERAL ELECTIVE 3	ICPH 3XX** 3 PHILOSOPHY CHOICE		14
	SPRING	PHYS 490 2 SPECIAL TOPICS Pre-Req: PHYS 320	PHYSICS ELECTIVE 3		GENERAL ELECTIVE 3	GENERAL ELECTIVE 3	ICSS 3XX** 3 <u>OR</u> IENG 400 TECHNOLOGY AND GLOBAL ISSUES		14
CREDITS									120

*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