

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>PHYS 170</b> 4 GENERAL PHYSICS I Co-Req: MATH 170		<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	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>GENERAL ELECTIVE</b> 3	<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 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>GENERAL ELECTIVE</b> 3			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 151/161		14
YEAR 3	FALL	<b>MATH 320</b> 3 DIFFERENTIAL EQUATIONS Pre-Req: MATH 260	<b>PHYS 331</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>ICXX 3XX *</b> 3 SEMINAR CHOICE (ICBS, ICLT, ICPH, or ICSS) Pre-Req: FCWR 101/111 and FCWR 151/161		16
	SPRING	<b>PHYS 451</b> 4 MATH METHODS IN PHYSICS Pre-Req: MATH 260 and PHYS 225	<b>PHYS 390</b> 4 STATISTICAL MECHANICS Pre-Req: PHYS 320	<b>PHYSICS 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
YEAR 4	FALL	<b>PHYS 490</b> 2 SPECIAL TOPICS Pre-Req: PHYS 320	<b>PHYSICS ELECTIVE</b> 3	<b>PHYSICS 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		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>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>

\* Select four seminar courses from at least three different subject areas.

Course names, numbers and/or pre-requisites are subject to change. (Rev. 5/23)