

YEAR TERM		MAJOR COURSES					GENERAL EDUCATION		TOTAL CREDITS
YEAR 1	FALL	MATH 170 4 CALCULUS I Pre-Req: Requires Placement or MATH 136 or MATH 141		PHYS 170 4 GENERAL PHYSICS I Co-Req: MATH 170		GENERAL ELECTIVE 3	FCWR 101/111 3 FOUNDATIONS OF COLLEGE COMPOSITION Pre-Req: Requires Placement	DATA 101 3 MAKING SENSE OF A DATA-ORIENTED SOCIETY	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	GENERAL ELECTIVE 3	GENERAL ELECTIVE 3	FCWR 151/161 3 FOUNDATIONS OF RESEARCH WRITING Pre-Req: FCWR 101/111		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	GENERAL ELECTIVE 3			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 341 4 ANALYTICAL MECHANICS Pre-Req: PHYS 180			FCWR 3XX 3 PROFESSIONAL COMMUNICATION CHOICE Pre-Req: FCWR 151/161		14
YEAR 3	FALL	MATH 320 3 DIFFERENTIAL EQUATIONS Pre-Req: MATH 260	PHYS 331 3 ADVANCED PHYSICS LAB I Pre-Req: PHYS 180 and MATH 260	PHYS 371 4 ELECTRICITY AND MAGNETISM Pre-Req: PHYS 180 and MATH 260		PHYSICS ELECTIVE 3	ICXX 3XX * 3 SEMINAR CHOICE (ICBS, ICLT, ICPH, or ICSS) Pre-Req: FCWR 101/111 and FCWR 151/161		16
	SPRING	PHYS 451 4 MATH METHODS IN PHYSICS Pre-Req: MATH 260 and PHYS 225	PHYS 390 4 STATISTICAL MECHANICS Pre-Req: PHYS 320	PHYSICS ELECTIVE 3			ICXX 3XX * 3 SEMINAR CHOICE (ICBS, ICLT, ICPH, or ICSS) Pre-Req: FCWR 101/111 and FCWR 151/161		14
YEAR 4	FALL	PHYS 490 2 SPECIAL TOPICS Pre-Req: PHYS 320	PHYSICS ELECTIVE 3	PHYSICS ELECTIVE 3		GENERAL ELECTIVE 3	ICXX 3XX * 3 SEMINAR CHOICE (ICBS, ICLT, ICPH, or ICSS) Pre-Req: FCWR 101/111 and FCWR 151/161		14
	SPRING	PHYS 490 2 SPECIAL TOPICS Pre-Req: PHYS 320	PHYSICS ELECTIVE 3		GENERAL ELECTIVE 3	GENERAL ELECTIVE 3	ICXX 3XX * 3 SEMINAR CHOICE (ICBS, ICLT, ICPH, or ICSS) Pre-Req: FCWR 101/111 and FCWR 151/161		14
CREDITS									120

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

Course names, numbers and/or pre-requisites are subject to change. (Rev. 3/25)