

YEAR TERM		MAJOR COURSES					CORE		GEN. ELEC.	TOTAL CREDITS
YEAR 1	FALL	CHEM 110 4 GENERAL CHEMISTRY I Co-Req: MATH 135 or higher	BIOL 110 4 GENERAL BIOLOGY I		MATH 170 4 CALCULUS I Pre-Req: Placement Exam, MATH 141, MATH 136	ETCS 105 2 CAREER DISCOVERY	FCWR 101* 3 FOUND. OF COLL. COMPOSITION Pre-Req: Placement or WRIT 100		17	
	SPRING	CHEM 150 4 GENERAL CHEMISTRY II Pre-Req: CHEM 110	BIOL 150 4 GENERAL BIOLOGY II Pre-Req: BIOL 110		MATH 180 4 CALCULUS II Pre-Req: MATH 170	PHYS 170 4 GENERAL PHYSICS I Co-Req: MATH 170			16	
YEAR 2	FALL	CHEM 210 4 ORGANIC CHEMISTRY I Pre-Req: CHEM 150		EENG 125 3 FUNDAMENTALS OF DIGITAL LOGIC	MATH 260 4 CALCULUS III Pre-Req: MATH 180	PHYS 180 4 GENERAL PHYSICS II Pre-Req: PHYS 170 Co-Req: MATH 180	FCWR 151* 3 FOUND. OF RESEARCH WRITING Pre-Req: FCWR 101		18	
	SPRING	BIOL 340 4 BIOCHEMISTRY Pre-Req: BIOL 150 and CHEM 250 Note: CHEM 250 pre-req waived with dept. approval		EENG 211/212 3 ELECTRIC. CIRCUITS I Pre-Req: MATH 170 & PHYS 170; Co-Req: MATH 180 & PHYS 180	MATH 320 3 DIFFERENTIAL EQUATIONS Pre-Req: MATH 260	PHYS 225 3 INTRODUCTION TO MODERN PHYSICS Pre-Req: PHYS 180	FCWR 304 3 COMMUNICATION FOR TECHNICAL PROFESSIONS Pre-Req: FCWR 151		16	
YEAR 3	FALL	CSCI 125 3 COMPUTER PROGRAMMING I Co-Req: MATH 136 or MATH 141 or higher or MENG 201 ENG. PROGRAMMING Co-Req: MATH 161 or MATH 170	EENG 270 3 INTRODUCTION TO ELECTRONICS CIRCUITS Pre-Req: EENG 211 or EENG 212	EENG 275 1 ELECTRONICS LAB Pre-Req: EENG 211 OR EENG 212 OR EENG 221 AND FCWR 101 OR FCWR 111	CSCI 155 3 COMPUTER ORGANIZATION AND ARCHIECTURE Pre-Req: CSCI 125, CSCI 135 OR EENG 125 AND MATH 161 OR MATH 170	BIOL/PHYS 365 3/4 BIOMEDICAL PHYSICS Pre-Req: PHYS 225, CHEM 150 and BIOL 150 or CHEM 410 PHYSICAL CHEMISTRY Pre-Req: CHEM 310 or BIOL 315 NEUROSCIENCE Pre-Req: BIOL 310 or BIOL 311	FCSP 105 3 FOUNDATIONS OF SPEECH COMMUNICATION		16/17	
	SPRING	BIOL 233 4 GENETICS Pre-Req: BIOL 150 and CHEM 150 or BIOL 431 CELL BIOLOGY Pre-Req: BIOL 340	BIOL 210 4 HUMAN GROSS ANATOMY or BIOL 220 COMP. ANATOMY Pre-Req: BIOL 150	EENG 371 3 MICROPROCESSORS Pre-Req: CSCI 155				FCIQ 101 3 FOUNDATIONS OF INQUIRY	FCSC 101 3 FOUNDATIONS OF SCIENTIFIC PROCESS	17
YEAR 4	FALL		BIOL 310 4 HUMAN PHYSIOLOGY Pre-Req: BIOL 210 and CHEM 105 or CHEM 110 or BIOL 311 COMP. PHYSIOLOGY Pre-Req: BIOL 220			EENG 489 2 SENIOR DESIGN PROJECT I Requires instructor and/or department approval.	ICBS 3XX** 3 BEHAVIORAL SCIENCE CHOICE	ICLT 3XX** 3 LITERATURE CHOICE	15	
	SPRING	EENG 419 ** 3 MEDICAL DEVICES or EENG/BIOL/CHEM ELECTIVE			IENG 245 3/4 STAT. DESIGN I Pre-Req: MATH 161 or MATH 170 or CHEM 310 QANT. ANALYSIS Pre-Req: CHEM 150 or MATH 235 APPLIED STATS Pre-Req: MATH 170	EENG 491 2 SENIOR DESIGN PROJECT II Requires instructor and/or department approval.	ICSS 3XX** 3 SOCIAL SCIENCES CHOICE	ICPH 3XX** 3 PHILOSOPHY CHOICE	3 17/18	

CREDITS 129-132

*Non-native English speakers take FCWR 111 instead of FCWR 101, and FCWR 161 instead of FCWR 151

Course names, numbers and/or pre-requisites are subject to change (Rev. 3/21)

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