

YEAR TERM	CHEMISTRY/BIOLOGY		COMPUTER SCIENCE/ENGINEERING & MATH/PHYSICS			CORE & GENERAL ELECTIVE			TOTAL CREDITS
YEAR 1	FALL	<b>CHEM 110</b> 4 GENERAL CHEMISTRY I Co-Req: MATH 135 or higher		<b>MATH 170</b> 4 CALCULUS I Pre-Req: Placement Exam, MATH 141, MATH 136 or TMAT 155		<b>FCWR 101*</b> 3 FOUNDATIONS OF COLLEGE COMPOSITION Pre-Req: Placement Exam or WRIT 100	<b>FCIQ 101</b> 3 FOUNDATIONS OF INQUIRY	<b>FCSP 105</b> 3 FOUNDATIONS OF SPEECH COMMUNICATION	17
	SPRING	<b>CHEM 150</b> 4 GENERAL CHEMISTRY II Pre-Req: CHEM 110	<b>EENG 130 ***</b> 3 INTRODUCTION TO COMPUTER HARDWARE Pre-Req: MATH 141 MATH 136, TMAT 155 or higher	<b>MATH 180</b> 4 CALCULUS II Pre-Req: MATH 170	<b>PHYS 170</b> 4 GENERAL PHYSICS I Co-Req: MATH 170	<b>FCWR 151*</b> 3 FOUNDATIONS OF RESEARCH WRITING Pre-Req: FCWR 101			18
YEAR 2	FALL	<b>CHEM 210</b> 4 ORGANIC CHEMISTRY I Pre-Req: CHEM 150	<b>BIOL 110</b> 4 GENERAL BIOLOGY I		<b>MATH 260</b> 4 CALCULUS III Pre-Req: MATH 180	<b>PHYS 180</b> 4 GENERAL PHYSICS II Pre-Req: PHYS 170 Co-Req: MATH 180			16
	SPRING	<b>CHEM 250</b> 4 ORGANIC CHEMISTRY II Pre-Req: CHEM 210	<b>BIOL 150</b> 4 GENERAL BIOLOGY II Pre-Req: BIOL 110	<b>EENG 211</b> 3 ELECTRICAL CIRCUITS I Pre-Req: MATH 170 & PHYS 170; Co-Req: MATH 180 & PHYS 180		<b>PHYS 225</b> 3 INTRODUCTION TO MODERN PHYSICS Pre-Req: PHYS 180	<b>FCSC 101</b> 3 FOUNDATIONS OF SCIENTIFIC PROCESS		17
YEAR 3	FALL	<b>BIOL 210</b> 4 HUMAN GROSS ANATOMY FALL/SPRING in OW SPRING in MA	<b>BIOL 340</b> 4 BIOCHEMISTRY Pre-Req: BIOL 150 and CHEM 250	<b>EENG 270</b> 3 INTRODUCTION TO ELECTRONICS CIRCUITS Pre-Req: EENG 211 or EENG 212	<b>MATH 320</b> 3 DIFFERENTIAL EQUATIONS Pre-Req: MATH 260	<b>CSCI 125</b> 3 COMPUTER PROGRAMMING I			17
	SPRING	<b>CHEM 310</b> 4 QUANTITATIVE ANALYSIS Pre-Req: CHEM 150 SPRING in OW FALL in MA	<b>BIOL 310</b> 4 HUMAN PHYSIOLOGY Pre-Req: BIOL 210, and CHEM 105 or CHEM 110 FALL/SPRING in OW FALL in MA	<b>CSCI 185</b> 3 COMPUTER PROGRAMMING II Pre-Req: CSCI 125			<b>ICPH 3XX**</b> 3 PHILOSOPHY CHOICE	<b>FCWR 304</b> 3 COMMUNICATION FOR TECHNICAL PROFESSIONS Pre-Req: FCWR 151	17
YEAR 4	FALL		<b>BIOL 431</b> 4 CELL BIOLOGY Pre-Req: BIOL 340 FALL in MA SPRING in OW	<b>BIOL/PHYS 365</b> 3 BIOMEDICAL PHYSICS Pre-Req: PHYS 225, CHEM 150 & BIOL 150	<b>EENG 310</b> 3 ELECTRONIC CIRCUIT APPLICATIONS Pre-Req: EENG 270; Co-Req: EENG 281	<b>EENG 275</b> 1 ELECTRONICS LAB I Pre-Req: EENG 211 and FCWR 101	<b>ICBS 3XX**</b> 3 BEHAVIORAL SCIENCE CHOICE	<b>ICLT 3XX**</b> 3 LITERATURE CHOICE	17
	SPRING	<b>CHEM 410</b> 4 PHYSICAL CHEMISTRY I Pre-Req: CHEM 310 Co-Req: MATH 170 FALL in MA	<b>BIOL 341</b> 3 GENETIC ENGINEERING +Co-Req: BIOL 335 SPRING in MA FALL in OW	<b>EENG 370</b> 3 MICROPROCESSORS Pre-Req: EENG 310, and either EENG 125 or EENG 130 or EENG 260 or CSCI 130		<b>EENG 315</b> 1 ELECTRONICS LAB II Pre-Req: EENG 270 and EENG 275	<b>ICSS 3XX**</b> 3 SOCIAL SCIENCES CHOICE	<b>GENERAL ELECTIVE</b> 3	17
<b>CREDITS</b>									<b>136</b>

\*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.

\*\*Seminar pre-requisites include: FCWR 151, FCIQ 101, FCSC 101, and FCSP 105.

\*\*\*Students are able to take EENG 125 Fundamentals of Digital Logic in lieu of EENG 130. Seek Chairperson's permission for substitution.

†The co-requisite of BIOL 335 will be waived for students in this major.

(Rev. 11/17)