

YEAR TERM		BIOLOGY/CHEMISTRY			ELECTIVES		MATH/PHYSICS		General Education			TOTAL CREDITS
YEAR 1	FALL	<b>BIOL 110</b> 4 GENERAL BIOLOGY I		<b>CHEM 110</b> 4 GENERAL CHEMISTRY I Co-Req: MATH 135 or higher			<b>MATH 141**</b> 4 PRECALCULUS Pre-Req: Requires Placement		<b>FCWR 101/111</b> 3 FOUNDATIONS OF COLLEGE COMPOSITION Pre-Req: Requires Placement			15
	SPRING	<b>BIOL 150</b> 4 GENERAL BIOLOGY II Pre-Req: BIOL 110		<b>CHEM 150</b> 4 GENERAL CHEMISTRY II Pre-Req: CHEM 110			<b>MATH 170</b> 4 CALCULUS I Pre-Req: Placement Exam, MATH 141, MATH 136		<b>DATA 101</b> 3 MAKING SENSE OF A DATA-ORIENTED SOCIETY Pre-Req: Placement Exam, MATH 141, MATH 136			15
YEAR 2	FALL	<b>BIOL 210</b> 4 HUMAN GROSS ANATOMY Pre-Req: BIOL 150	<b>BIOL 250</b> 3 BIOSTATISTICS Pre-Req: BIOL 110 & MATH 170	<b>CHEM 210</b> 4 ORGANIC CHEMISTRY I Pre-Req: CHEM 150	<b>BIOL 233</b> 4 GENETICS Pre-Req: BIOL 150 & CHEM 150							15
	SPRING	<b>BIOL 310</b> 4 HUMAN PHYSIOLOGY Pre-Req: BIOL 210	<b>BIOL 235</b> 4 MICROBIOLOGY Pre-Req: BIOL 150	<b>CHEM 250</b> 4 ORGANIC CHEMISTRY II Pre-Req: CHEM 210					<b>FCWR 151/161</b> 3 FOUNDATIONS OF RESEARCH WRITING Pre-Req: FCWR 101/111			15
YEAR 3	FALL	<b>BIOL 340</b> 4 BIOCHEMISTRY Pre-Req: BIOL 150 and CHEM 210	<b>BIOL 325</b> 3 EVOLUTIONARY BIOLOGY	<b>BIOL 336</b> 3 MOLECULAR BIOLOGY			<b>PHYS 175</b> 5 PRE-MED PHYSICS I Co-Req: MATH 170		<b>GENERAL ELECTIVE</b> 3			18
	SPRING	<b>BIOL 432</b> 3 CELL BIOLOGY	<b>BIOL 395</b> 3 INTRO TO RESEARCH LITERATURE Pre-Req: Any 300 level BIOL or CHEM course				<b>PHYS 185</b> 5 PRE-MED PHYSICS II Pre-Req: PHYS 170 or PHYS 175		<b>FCWR 304 or FCWR 302</b> 3 COMMUNICATION FOR TECH. PROFESSIONS OR HEALTHCARE CAREERS Pre-Req: FCWR 151	<b>ICXX 3XX*</b> 3 SEMINAR CHOICE (ICBS, ICLT, ICPH, or ICSS) Pre-Req: FCWR 151/161		17
YEAR 4	FALL	<b>BIOL /CHEM 48X</b> 3/4 <b>BIOL 493 or BIOL 494</b> RESEARCH PROJECT LAB or INDEPENDENT RESEARCH III or INDEPENDENT RESEARCH IV		<b>MOLECULAR BIOLOGY ELECTIVE***</b> 3	<b>MOLECULAR BIOLOGY ELECTIVE***</b> 3				<b>ICXX 3XX*</b> 3 SEMINAR CHOICE (ICBS, ICLT, ICPH, or ICSS) Pre-Req: FCWR 151/161	<b>ICXX 3XX*</b> 3 SEMINAR CHOICE (ICBS, ICLT, ICPH, or ICSS) Pre-Req: FCWR 151/161		15
	SPRING			<b>MOLECULAR BIOLOGY 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 151/161			12

**CREDITS** **122**

**Molecular Biology Restricted Electives**

BIOL 238: Intro to Biotechnology (3)	Pre-Req: BIOL 150	BIOL 346 Immunology (3)	Pre-Req: BIOL 310, BIOL 330	BIOL 493 Independent Research III (4)	Pre-Req: BIOL 395 or BIOL 425
BIOL 315: Neuroscience (3)	Pre-Req: BIOL 310 or BIOL 311	BIOL 350: Bioinformatics	Pre-Req: BIOL 233 and BIOL 250	BIOL 494 Independent Research IV (4)	Pre-Req: BIOL 395 or BIOL 425
BIOL 331 Virology (3)	Pre-Req: BIOL 150	BIOL 456 Pharmacology (3)	Pre-Req: (BIOL 310 or BIOL 311) and (CHEM 215 or BIOL 340)	CHEM 420: Pharmaceutical Chemistry (3)	Pre-Req: BIOL 340
BIOL 332 Developmental Biology (4)	Pre-Req: BIOL 150 and (BIOL 335 or BIOL 233)	BIOL 461 Cancer Biology (3)	Pre-Req: BIOL 335 or BIOL 233	CHEM 440 Drug Discovery (3)	Pre-Req: CHEM 420 or BIOL 456
BIOL 341 Genetic Engineering (3)	Pre-Req: BIOL 335 or BIOL 233	BIOL486 Research Project Lab (3)	Pre-Req: BIOL 150, CHEM 150		

\*Of the four required ICXX seminar courses (ICBS, ICLT, ICPH, ICSS), at least three must be in different subject areas.

\*\*\*Science Electives must be a 200 level or higher courses. In addition, BIOL 215 or CHEM 215 are NOT acceptable science electives