

YEAR TERM		BIOLOGY/CHEMISTRY			ELECTIVES		MATH/PHYSICS		CORE			TOTAL CREDITS
YEAR 1	FALL	BIOL 110 4 GENERAL BIOLOGY I		CHEM 110 4 GENERAL CHEMISTRY I Co-Req: MATH 135 or higher			MATH 141** 4 PRECALCULUS Pre-Req: Placement Exam or MATH 101		FCWR 101* 3 FOUNDATIONS OF COLLEGE COMPOSITION Pre-Req: Placement or WRIT 100		15	
	SPRING	BIOL 150 4 GENERAL BIOLOGY II Pre-Req: BIOL 110		CHEM 150 4 GENERAL CHEMISTRY II Pre-Req: CHEM 110			MATH 170 4 CALCULUS I Pre-Req: Placement Exam, MATH 141, MATH 136		FCIQ 101 3 FOUNDATIONS OF INQUIRY		15	
YEAR 2	FALL	BIOL 210 4 HUMAN GROSS ANATOMY Pre-Req: BIOL 150	BIOL 250 3 BIOSTATISTICS Pre-Req: BIOL 110 & MATH 170	CHEM 210 4 ORGANIC CHEMISTRY I Pre-Req: CHEM 150	BIOL 233 4 GENETICS Pre-Req: BIOL 150 & CHEM 150						15	
	SPRING	BIOL 310 4 HUMAN PHYSIOLOGY Pre-Req: BIOL 210	BIOL 235 4 MICROBIOLOGY Pre-Req: BIOL 150	CHEM 250 4 ORGANIC CHEMISTRY II Pre-Req: CHEM 210					FCWR 151* 3 FOUNDATIONS OF RESEARCH WRITING Pre-Req: FCWR 101		15	
YEAR 3	FALL	BIOL 340 4 BIOCHEMISTRY Pre-Req: BIOL 150 and CHEM 210	BIOL 325 3 EVOLUTIONARY BIOLOGY Pre-Req: BIOL 150 and CHEM 210	BIOL 336 3 MOLECULAR BIOLOGY			PHYS 175 5 PHYSICS REQUIREMENT Co-Req: MATH 170		FCSP 105 3 FOUNDATIONS OF SPEECH COMMUNICATION		18	
	SPRING	BIOL 432 3 CELL BIOLOGY	BIOL 395 3 INTRO TO RESEARCH LITERATURE Pre-Req: Any 300 level BIOL or CHEM course				PHYS 185 5 PHYSICS REQUIREMENT Pre-Req: PHYS 175		FCWR 304 or FCWR 302 3 COMMUNICATION FOR TECH. PROFESSIONS OR HEALTHCARE CAREERS Pre-Req: FCWR 151	ICBS 3XX 3 BEHAVIORAL SCIENCE CHOICE Pre-Req: FCWR 151	17	
YEAR 4	FALL	BIOL /CHEM 48X 3 RESEARCH PROJECT LAB		MOLECULAR BIOLOGY ELECTIVE 3	MOLECULAR BIOLOGY ELECTIVE 3				ICLT 3XX 3 LITERATURE CHOICE Pre-Req: FCWR 151, FCIQ 101, FCSC 101, and FCSP 105	ICPH 3XX 3 PHILOSOPHY CHOICE Pre-Req: FCWR 151	15	
	SPRING			MOLECULAR BIOLOGY ELECTIVE 3	GENERAL ELECTIVE 3	GENERAL ELECTIVE 3			ICSS 3XX 3 SOCIAL SCIENCES CHOICE Pre-Req: FCWR 151		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	

*Non-native English speakers take FCWR 111 instead of FCWR 101, and FCWR 161 instead of FCWR 151.
 ** Some students must take both MATH 135 & MATH 136. These two courses are the equivalent of MATH 141. (Rev. 3/21)