

YEAR TERM		BIOLOGY/CHEMISTRY			ELECTIVES		MATH/PHYSICS		General Education		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: Requires Placement		FCWR 101/111 3 FOUNDATIONS OF COLLEGE COMPOSITION Pre-Req: Requires Placement		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		DATA 101 3 MAKING SENSE OF A DATA-ORIENTED SOCIETY		15
YEAR 2	FALL	BIOL 210 4 HUMAN GROSS ANATOMY Pre-Req: BIOL 150	BIOL 250 3 BIostatistics Pre-Req: BIOL 110 & MATH 136 or higher	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 151/161 3 FOUNDATIONS OF RESEARCH WRITING Pre-Req: FCWR 101/111		15
YEAR 3	FALL	BIOL 340 4 BIOCHEMISTRY Pre-Req: BIOL 110 and CHEM 210	BIOL 325 3 EVOLUTIONARY BIOLOGY Pre-Req: BIOL 110 and CHEM 210	BIOL 336 3 MOLECULAR BIOLOGY			PHYS 175 5 PRE-MED PHYSICS I Co-Req: MATH 170		GENERAL ELECTIVE 3		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 PRE-MED PHYSICS II Pre-Req: PHYS 170 or PHYS 175		FCWR 304 or FCWR 302 3 COMMUNICATION FOR TECH. PROFESSIONS OR HEALTHCARE CAREERS Pre-Req: FCWR 151	ICXX 3XX* 3 SEMINAR CHOICE (ICBS, ICLT, ICPh, or ICSS) Pre-Req: FCWR 151/161	17
YEAR 4	FALL	BIOL/CHEM 48X 3/4 BIOL 493 or BIOL 494 RESEARCH PROJECT LAB or INDEPENDENT RESEARCH III or INDEPENDENT RESEARCH IV		MOLECULAR BIOLOGY ELECTIVE*** 3	MOLECULAR BIOLOGY ELECTIVE*** 3				ICXX 3XX* 3 SEMINAR CHOICE (ICBS, ICLT, ICPh, or ICSS) Pre-Req: FCWR 151/161	ICXX 3XX* 3 SEMINAR CHOICE (ICBS, ICLT, ICPh, or ICSS) Pre-Req: FCWR 151/161	15
	SPRING			MOLECULAR BIOLOGY ELECTIVE*** 3	GENERAL ELECTIVE 3	GENERAL ELECTIVE 3			ICXX 3XX* 3 SEMINAR CHOICE (ICBS, ICLT, ICPh, or ICSS) Pre-Req: FCWR 151/161		12

CREDITS **122-123**

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