

YEAR TERM	BIOLOGY MAJOR COURSES						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 FOUND. 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 ANATOMY Pre-Req: BIOL 150	BIOL 250 3 BIOSTATISTICS Pre-Req: BIOL 110 & MATH 136 or higher	BIOL 233 4 GENETICS Pre-Req: BIOL 150 & CHEM 150	CHEM 210 4 ORGANIC CHEMISTRY I Pre-Req: 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 & CHEM 210	BIOL 325 3 EVOLUTIONARY BIOLOGY Pre-Req: BIOL 233			PHYS 175 5 PRE-MED PHYSICS I Co-Req: MATH 170	GENERAL ELECTIVE 3		15
	SPRING	BIOL 432 3 CELL BIOLOGY Pre-Req: BIOL 340	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 COMM. FOR TECH. PROFESSIONS OR HEALTHCARE CAREERS Pre-Req: FCWR 151/161	ICXX 3XX* 3 SEMINAR CHOICE (ICBS, ICLT, ICPH, or ICSS) Pre-Req: FCWR 101/111 and 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	SCIENCE ELECTIVE*** 3		GENERAL ELECTIVE 3		ICXX 3XX* 3 SEMINAR CHOICE (ICBS, ICLT, ICPH, or ICSS) Pre-Req: FCWR 101/111 and FCWR 151/161	ICXX 3XX* 3 SEMINAR CHOICE (ICBS, ICLT, ICPH, or ICSS) Pre-Req: FCWR 101/111 and FCWR 151/161	15
	SPRING	SCIENCE ELECTIVE*** 3	SCIENCE ELECTIVE*** 3		GENERAL ELECTIVE 3	GENERAL ELECTIVE 3	ICXX 3XX* 3 SEMINAR CHOICE (ICBS, ICLT, ICPH, or ICSS) Pre-Req: FCWR 101/111 and FCWR 151/161		15

CREDITS 122-123

Science Elective Options (credits)	Pre-requisite	Science Elective Options	Pre-requisite	Science Elective Options	Pre-requisite
BIOL 312 PATHOPHYSIOLOGY (3)	BIOL 310 or BIOL 311	BIOL 332 DEVELOPMENTAL BIOLOGY (4)	BIOL 150 and BIOL 233 or BIOL 335	BIOL 456 PHARMACOLOGY (3)	One from each group: (1) BIOL 310 or BIOL 311 and (2) CHEM 215 or BIOL 340
BIOL 315 NEUROSCIENCE (3)	BIOL 310 or BIOL 311	BIOL 336 MOLECULAR BIO (3)	BIOL 233 or BIOL 335	BIOL 461 CANCER BIOLOGY (3)	BIOL 233 or BIOL 335
BIOL 331 VIROLOGY (3)	BIOL 150	BIOL 341 GENETIC ENGINEERING (3)	BIOL 233 or BIOL 335	CHEM 420 PHARMACEUTICAL CHEMISTRY (3)	BIOL 340

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

** Some students must take both MATH 135 & MATH 136. These two courses are the equivalent of MATH 141.

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

Course names, numbers and/or pre-requisites subject to change