

YEAR TERM		BIOLOGY MAJOR COURSES						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 ANATOMY Pre-Req: BIOL 150	BIOL 250 3 BIOSTATISTICS Pre-Req: BIOL 110 & MATH 170	BIOL 233 4 GENETICS Pre-Req: BIOL 150 & CHEM 150 NYC-Spring Only		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* 3 FOUNDATIONS OF RESEARCH WRITING Pre-Req: FCWR 101		15
YEAR 3	FALL	BIOL 340 4 BIOCHEMISTRY Pre-Req: BIOL 150 & CHEM 210	BIOL 325 3 EVOLUTIONARY BIOLOGY Pre-Req: BIOL 235 & BIOL 233				PHYS 175 5 PRE-MED PHYSICS I Co-Req: MATH 170	FCSP 105 3 FOUNDATIONS OF SPEECH COMMUNICATION		15
	SPRING	BIOL 432 3 CELL BIOLOGY Pre-Req: BIOL 340 NYC – Fall Only	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	ICBS 3XX 3 BEHAVIORAL SCIENCE CHOICE Pre-Req: FCWR 151	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		ICLT 3XX 3 LITERATURE CHOICE Pre-Req: FCWR 151	ICPH 3XX 3 PHILOSOPHY CHOICE Pre-Req: FCWR 151	15
	SPRING			SCIENCE ELECTIVE*** 3	SCIENCE ELECTIVE*** 3	GENERAL ELECTIVE 3	GENERAL ELECTIVE 3	ICSS 3XX 3 SOCIAL SCIENCES CHOICE Pre-Req: FCWR 151		15

CREDITS **122**

Science Elective Options (credits)	Manhattan	Old Westbury	Science Elective Options	Manhattan	Old Westbury	Science Elective Options	Manhattan	Old Westbury
BIOL 312 PATHOPHYSIOLOGY (3)	AS NEEDED	SPRING ONLY	BIOL 332 DEVELOPMENTAL BIOLOGY (4)	AS NEEDED	SPRING ONLY	BIOL 456 PHARMACOLOGY (3)	AS NEEDED	FALL and SPRING
BIOL 315 NEUROSCIENCE (3)	AS NEEDED	SPRING ONLY	BIOL 336 MOLECULAR BIO (3)	AS NEEDED	FALL ONLY	BIOL 461 CANCER BIOLOGY (3)	AS NEEDED	SPRING ONLY
BIOL 331 VIROLOGY (3)	AS NEEDED	AS NEEDED	BIOL 341 GENETIC ENGINEERING (3)	SPRING ONLY	FALL ONLY	CHEM 420 PHARMACEUTICAL CHEMISTRY (3)	SPRING ONLY	SPRING ONLY

*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.

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

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