

YEAR TERM		CHEMISTRY/BIOLOGY			GENERAL ELECTIVES	MATH/PHYSICS		CORE		TOTAL CREDITS
YEAR 1	FALL	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 Exam or WRIT 100	FCSC 101 3 FOUNDATIONS OF SCIENTIFIC PROCESS	14
	SPRING	CHEM 150 4 GENERAL CHEMISTRY II Pre-Req: CHEM 110	BIOL 110 4 GENERAL BIOLOGY I			MATH 170 4 CALCULUS I Pre-Req: Placement Exam, MATH 141, MATH 136, TMAT 155		FCWR 151* 3 FOUNDATIONS OF RESEARCH WRITING Pre-Req: FCWR 101		15
YEAR 2	FALL	CHEM 210 4 ORGANIC CHEMISTRY I Pre-Req: CHEM 150				MATH 180 4 CALCULUS II Pre-Req: MATH 170	PHYS 170 4 GENERAL PHYSICS I Co-Req: MATH 170	FCIQ 101 3 FOUNDATIONS OF INQUIRY		15
	SPRING	CHEM 250 4 ORGANIC CHEMISTRY II Pre-Req: CHEM 210			GENERAL ELECTIVE 3	MATH 235 3 APPLIED STATISTICS Pre-Req: MATH 170 --- OR --- MATH 310 3 LINEAR ALGEBRA Pre-Req: MATH 180	PHYS 180 4 GENERAL PHYSICS II Pre-Req: PHYS 170 Co-Req: MATH 180	FCSP 105 3 FOUNDATIONS OF SPEECH COMMUNICATION		17
YEAR 3	FALL	CHEM 310 4 QUANTITATIVE ANALYSIS Pre-Req: CHEM 150	BIOL 340 4 BIOCHEMISTRY Pre-Req: BIOL 150 and CHEM 250		GENERAL ELECTIVE 3			FCWR 304 3 COMMUNICATION FOR TECHNICAL PROFESSIONS Pre-Req: FCWR 151	ICPH 3XX*** 3 PHILOSOPHY CHOICE	17
	SPRING	CHEM 350 3 INSTRUMENTAL ANALYSIS Pre-Req: CHEM 310	CHEM 410 4 PHYSICAL CHEMISTRY I Pre-Req: CHEM 310; Co-Req: MATH 170	CHEM 395 3 INTRODUCTION TO RESEARCH DESIGN Pre-Req: Any 300 level CHEM course	GENERAL ELECTIVE 3			ICBS 3XX*** 3 BEHAVIORAL SCIENCE CHOICE		16
YEAR 4	FALL	CHEM 493 4 INDEPENDENT RESEARCH III Pre-Req: CHEM 395	CHEM 450 4 PHYSICAL CHEMISTRY II Pre-Req: CHEM 410 Co-Req: MATH 180	SCIENCE ELECTIVE 3 (3 or 4 credits)				ICLT 3XX*** 3 LITERATURE CHOICE		14
	SPRING	CHEM 494 4 INDEPENDENT RESEARCH IV Pre-Req: CHEM 395	SCIENCE ELECTIVE 3 (3 or 4 credits)	SCIENCE ELECTIVE 3 (3 or 4 credits)	GENERAL ELECTIVE 3			ICSS 3XX*** 3 SOCIAL SCIENCES CHOICE		16

CREDITS	124-127
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Science Elective Options (credits)	Manhattan	Old Westbury	
CHEM 320 ENVIRONMENTAL CHEMISTRY (3)	FALL ONLY	AS NEEDED	*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 and MATH 136. Both courses are the equivalent of MATH 141. ***Seminar pre-requisites include: FCWR 151, FCIQ 101, FCSC 101, and FCSP 105. Course names, numbers and/or pre-requisites are subject to change.
CHEM 470 INORGANIC CHEMISTRY (3)	FALL ONLY	AS NEEDED	
CHEM 420 PHARMACEUTICAL CHEMISTRY (3)	AS NEEDED	AS NEEDED	
BIOL 210 HUMAN GROSS ANATOMY (4)	SPRING ONLY	FALL and SPRING	
BIOL 310 HUMAN PHYSIOLOGY (4)	FALL ONLY	FALL and SPRING	