

BIOCHEMISTRY MAJOR, BS

Campus: NYC, Westchester

Course	Title	Credits
First Year		
Fall		
ENG 110	Composition	3
BIO 101	General Biology I	4
CHE 111	General Chemistry I	4
MAT 131	Calculus I	4
UNV 101	First-Year Seminar: Introduction to University Community (STEM Major section)	1
Credits		16
Spring		
ENG 120	Critical Writing	4
BIO 102	General Biology II	4
CHE 112	General Chemistry II	4
MAT 132	Calculus II	4
CIS 101	Introduction to Computing	3
Credits		19
Second Year		
Fall		
CHE 223	Organic Chemistry I	5
PHY 111	General Physics I	4
BIO 264	Microbiology (or Take any one remaining Area of Knowledge course)	4
First Second Language Course. See Advisor for guidelines		3
Credits		16
Spring		
CHE 200	Mathematical Methods for Physical Chemistry	4
CHE 224	Organic Chemistry II	5
PHY 112	General Physics II (Counts for Analysis of Human, Social, and Natural Phenomena (AOK5))	4
Second Language Course, if applicable		3
Credits		16
Third Year		
Fall		
CHE 221	Analytical Methods and Techniques	4
CHE 301	Physical Chemistry I	4
CHE 392	Chemistry Seminar I	1
ENG 201	Writing in the Disciplines	3-4
Take any one remaining Area of Knowledge course (Learning Community (LC))		3
Credits		15-16
Spring		
CHE 331	Instrumental Analysis	4
CHE 302	Physical Chemistry II	4
BIO 231	Genetics (or Any one remaining Area of Knowledge course)	4
CHE 326	Biochemistry	4
Credits		16
Fourth Year		
Fall		
CHE 328	Advanced Biochemistry	3

CHE 340	Polymer Chemistry	3
CHE 492	Chemistry Seminar II	1
CHE 480	Research in Chemistry	3
Take any one remaining Area of Knowledge course		4
Credits		14
Spring		
CHE 333	Advanced Organic Chemistry	3
CHE 330	Advanced Inorganic Chemistry	4
CHE 329	Advanced Biochemistry Laboratory	2
FOR 505	Molecular Biology	3
Take any one remaining Area of Knowledge course		3
Credits		15
Total Credits		127-128