

CHEMICAL BIOLOGY, BS

Campus: NYC, Westchester

In addition to the courses listed below, students are required to complete two courses with the Anti-Racism Education attribute attached. These courses may be taken during any semester of their education. See advisor for more information.

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	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
Credits		16
Second Year		
Fall		
CHE 223	Organic Chemistry I	4
BIO 231	Genetics	4
BIO 251	Principles of Human Anatomy	4
Second Language I		3
Credits		15
Spring		
BIO 335	Molecular and Cellular Biology	4
CHE 224	Organic Chemistry II	4
MAT 141	Introductory Statistics for the Life Sciences	4
Second Language II		3
Credits		15
Third Year		
Fall		
PHY 111	General Physics I	4
CHE 300	Introduction to Physical Chemistry	4
CHE 326 or BIO 327	Biochemistry or Cellular Biochemistry	4
ENG 201	Writing in the Disciplines	3
Credits		15
Spring		
PHY 112	General Physics II	4
CHB 200	Fundamentals of Chemical Biology	3
BIO 334	General Physiology	4
COM 200	Public Speaking	3
Take any one remaining Area of Knowledge course		3
Credits		17

Fourth Year**Fall**

CHB 232	Bioanalytical Chemistry and Instrumentation (or PLS 232)	4
CHB 301	Bioinformatics	3
CIS 101	Introduction to Computing	3
CHB 392	Chemical Biology Seminar I	1
Take any one remaining Area of Knowledge course		3
Credits		14

Spring

CHB 480	Research in Chemical Biology	3
CHB 492	Chemical Biology Seminar II	1
Take any one remaining Area of Knowledge course		3
Take any one remaining Area of Knowledge course		3
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Take any one remaining Area of Knowledge course		3
Credits		16
Total Credits		124

¹ Reduced credits (effective from Spring 2025) shown

² Students must take one Civic Engagement (CE) course. Many AOK II-V courses also count as CE.

³ Take the lecture and its corresponding lab in the same semester.