

Sample Schedule for Biochemistry Majors

Fall Semester	Credits	Spring Semester	Credits
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FRESHMAN YEAR

BCHM 1014 – Introduction to Biochemistry	1	BIOL 1106 – Principles of Biology	3
BIOL 1105 – Principles of Biology	3	BIOL 1116 – Principles of Biology Lab	1
BIOL 1115 – Principles of Biology Lab	1	CHEM 1036 – General Chemistry ²	3
CHEM 1035 – General Chemistry ²	3	CHEM 1046 – General Chemistry Lab ²	1
CHEM 1045 – General Chemistry Lab ²	1	ENGL 1106 – Freshman English	3
ENGL 1105 – Freshman English	3	MATH 1026 – Elementary Calculus II	3
MATH 1025 – Elementary Calculus I¹	3	BCHM 1984 – Introduction to Biochemistry II	1
Total Credits 15		Total Credits 15	

SOPHOMORE YEAR

BCHM 4074 – Career Orientation³	1	BCHM 2114 – Biochemical Calculations	2
CHEM 2535 – Organic Chemistry ⁴	3	BIOL 2604 – General Microbiology	3
CHEM 2545 – Organic Chemistry Lab	1	BIOL 2614 – General Microbiology Lab	2
PHYS 2205 – General Physics	3	CHEM 2536 – Organic Chemistry ⁴	3
PHYS 2215 – General Physics Lab	1	CHEM 2546 – Organic Chemistry Lab	1
STAT 3615 – Biological Statistics	3	PHYS 2206 – General Physics	3
University Core/Electives	3	PHYS 2216 – General Physics Lab	1
Total Credits 15		Total Credits 15	

JUNIOR YEAR

BCHM 4115 – General Biochemistry	4	BCHM 4116 – General Biochemistry	3
BIOL 2004 – Genetics	3	BCHM 4124 – Biochemistry Lab	6
CHEM 2114 – Analytical Chemistry	3	University Core/Electives	3
CHEM 2124 – Analytical Chemistry Lab	1		
University Core/Electives	3		
Total Credits 14		Total Credits 12	

SENIOR YEAR

CHEM 4615 – Physical Chemistry	3	CHEM 4616 – Physical Chemistry	3
University Core/Electives	12	University Core/Electives	12
Total Credits 15		Total Credits 15	

¹This course has a prerequisite of MATH 1014, which counts as 3 credits towards the major program.

²The department will also accept CHEM 1055-1056 General Chemistry for Majors and CHEM 1065-1066 General Chemistry Lab for Majors.

³This course is highly recommended but not required.

⁴The department will also accept CHEM 2565-2566 Principles of Organic Chemistry.

*Bolded courses may be taken during any semester, except for PHYS courses which must be taken before CHEM 4615-4616.