

## Sample Schedule for Biochemistry with B.A. in Chemistry\*

Fall Semester	Credits	Spring Semester	Credits
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### FRESHMAN YEAR

BCHM 1014 – Introduction to Biochemistry	1	BCHM 1984 – Introduction to Biochemistry II	1
CHEM 1035 – General Chemistry <sup>2</sup>	3	CHEM 1036 – General Chemistry <sup>2</sup>	3
CHEM 1045 – General Chemistry Lab <sup>2</sup>	1	CHEM 1046 – General Chemistry Lab <sup>2</sup>	1
BIOL 1105 – Principles of Biology	3	BIOL 1106 – Principles of Biology	3
BIOL 1115 – Principles of Biology Lab	1	BIOL 1116 – Principles of Biology Lab	1
<b>ENGL 1105 – First Year Writing</b>	<b>3</b>	<b>ENGL 1106 – First Year Writing</b>	<b>3</b>
<b>MATH 1025- Elementary Calculus I<sup>1</sup></b>	<b>3</b>	<b>MATH 1026- Elementary Calculus II</b>	<b>3</b>
Total Credits		Total Credits	
15		15	

### SOPHOMORE YEAR

BCHM 4074 – Career Orientation <sup>2</sup>	1	BCHM 2114 – Biochemical Calculations	2
CHEM 2535 – Organic Chemistry	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	3
PHYS 2215 – General Physics Lab	1	CHEM 2546 – Organic Chemistry Lab	1
<b>MATH 2024 – Intermediate Calculus</b>	<b>3</b>	PHYS 2206 – General Physics	3
STAT 3615 – Biological Statistics	3	PHYS 2216 – General Physics Lab	1
Total Credits		Total Credits	
15		15	

### JUNIOR YEAR

BCHM 4115 – General Biochemistry	4	BCHM 4116 – General Biochemistry	3
BIOL 2004 – Genetics	3	BCHM 4124 – Biochemistry Lab*	6
CHEM 2154 – Analytical Chem for Majors	3	<b>CHEM 4014 – Survey of the Chemical Lit</b>	<b>1</b>
CHEM 2164 – Analytical Chem Lab for Majors	1	University Core/Electives	3
University Core/Electives	4		
Total Credits		Total Credits	
15		16	

### SENIOR YEAR

<b>CHEM 3625 – Physical Chemistry lab</b>	<b>1</b>	CHEM 2424 – Descriptive Inorganic Chemistry	<b>3</b>
CHEM 4615 – Physical Chemistry	3	CHEM 4616 – Physical Chemistry	3
BCHM 5004 – Seminar in Biochemistry**	1	University Core/Electives	9
University Core/Electives	10		
Total Credits		Total Credits	
15		15	

<sup>1</sup>This course has a prerequisite of MATH 1014.

<sup>2</sup>This course is highly recommended but not required.

NOTE: CHEM courses may be “For Majors” or the listed “For Life Sciences”, in which case a “B” or higher is required for a B.A. in Chemistry

CHEM 2535/2536 are accepted with grade of B BUT only if the student decides to add the chemistry major after taking Organic Chemistry

\*This course can also be taken during the Fall or Spring semester of the senior year.

\*\* This course is highly recommended, but not required, and may be taken twice during the junior and senior years.

