

# Biochemistry Major

Print as PDF Curriculum Map

## B.S. in Biochemistry Curriculum Map 2019-2020 Catalog

Course	Cr.Comp	Course	Cr.Comp.
<b>FRESHMAN</b>			
<b>Fall</b>		<b>Spring</b>	
BI 101 Principles of Biology I	4	BI 102 Principles of Biology II	4
CH 103 General Chemistry I (General Education Lab Science)	4	CH 104 General Chemistry II (General Education Lab Science)	4
EN 101 Composition and Literature I	3	EN 102 Composition and Literature II	3
MA 107 Precalculus Mathematics <sup>1</sup>	4	MA 121 Calculus I (General Education Math)	4
Fall Semester Total Cr.:	15	Spring Semester Total Cr.:	15
<b>SOPHOMORE</b>			
<b>Fall</b>		<b>Spring</b>	
CH 214 Communication in Chemistry (or in 3rd year)	1	BI 226 Cell Biology	4
CH 225 Organic Chemistry I	4	CH 226 Organic Chemistry II	4
EN 201 World Literature I (General Education Literature) <sup>3</sup>	3	EN 202 World Literature II <sup>3</sup>	3
PS 201 General Physics I <sup>2</sup>	4	PS 202 General Physics II <sup>2</sup>	4
MA 122 Calculus II (General Education Math)	4		
Fall Semester Total Cr.:	16	Spring Semester Total Cr.:	15
<b>JUNIOR</b>			
<b>Fall</b>		<b>Spring</b>	
BI 303 Genetics	4	CH 314 Instrumental Methods	3
CH 204 Quantitative Analysis	4	CH 315 Analysis Laboratory (taken with CH 314)	1
CH 327 Physical Chemistry I	3	CH 328 Physical Chemistry II (or Free Elective)	3
General Education Social Science ( <a href="http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals">http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals</a> )	3	General Education History ( <a href="http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals">http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals</a> )	3
General Education Leadership ( <a href="http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals">http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals</a> )	1-3	General Education Arts & Humanities ( <a href="http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals">http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals</a> )	3
		General Education Ethics ( <a href="http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals">http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals</a> )	3
Fall Semester Total Cr.:	15-17	Spring Semester Total Cr.:	16
<b>SENIOR</b>			
<b>Fall</b>		<b>Spring</b>	
BI 304 Physiology	4	CH 325 Biochemistry II (or BI 226)	4
CH 324 Biochemistry I	4	CH 422 Chemical Synthesis and Examination II (Capstone)	3
CH 413 Chemistry Seminar (Capstone)	1	Free Elective	3
Free Elective	3	Free Elective	3
Free Elective	3	Free Elective	3
Fall Semester Total Cr.:	15	Spring Semester Total Cr.:	16
TOTAL CREDITS FOR THIS MAJOR: 123-125			

1 MA 107 can be substituted with a Free Elective credit if Math Placement Test places a student into MA 121

2 PS 211 - PS 212 may be substituted for PS 201 - PS 202

3 EN 112 or EN 204 may be substituted for one semester of World Literature.