

Biochemistry Major

Print PDF Curriculum (http://catalog.norwich.edu/residentialprogramscatalog/currmaps/biochem/biochem_1499797701709.pdf)

B.S. in Biochemistry Curriculum Map 2017-2018 Catalog

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Freshman		
Fall	Cr. Spring	Cr.
CH 103 General Chemistry I (General Education Lab Science)	4 CH 104 General Chemistry II (General Education Lab Science)	4
BI 101 Principles of Biology I	4 BI 102 Principles of Biology II	4
EN 101 Composition and Literature I	3 EN 102 Composition and Literature II	3
MA 107 Precalculus Mathematics ¹	4-3 MA 121 Calculus I (General Education Math)	4
Semester Total Credits	15-14 Semester Total Credits	15
Sophomore		
Fall	Cr. Spring	Cr.
CH 214 Communication in Chemistry (or in 3rd year)	1-0 CH 226 Organic Chemistry II	4
CH 225 Organic Chemistry I	4 EN 202 World Literature II	3
BI 303 Genetics	4 MA 122 Calculus II (General Education Math)	4
EN 201 World Literature I (General Education Literature) ³	3 PS 202 General Physics II ²	4
PS 201 General Physics I ²	4	
Semester Total Credits	16-15 Semester Total Credits	15
Junior		
Fall	Cr. Spring	Cr.
CH 204 Quantitative Analysis (or Free Elective)	4 CH 314 Instrumental Methods (or Free Elective)	3
CH 214 Communication in Chemistry (or in 2nd year)	0-1 CH 315 Analysis Laboratory (taken with CH 314)	1-0
CH 327 Physical Chemistry I (or Free Elective)	3 CH 328 Physical Chemistry II (or Free Elective)	3
CH 324 Biochemistry I	4 BI 226 Cell Biology (or CH 325 Biochemistry II)	4
General Education Arts & Humanities (http://catalog.norwich.edu/archives/2017-18/residentialprogramscatalog/generaleducationgoals)	3 General Education Social Science (http://catalog.norwich.edu/archives/2017-18/residentialprogramscatalog/generaleducationgoals)	3
Free Elective (or BI 304 Physiology)	3	
Semester Total Credits	17-18 Semester Total Credits	14-13
Senior		
Fall	Cr. Spring	Cr.
CH 413 Chemistry Seminar (Capstone)	1 CH 422 Chemical Synthesis and Examination II (Capstone)	3
BI 304 Physiology (or Free Elective)	4-3 CH 325 Biochemistry II (or BI 226)	4
General Education Arts & Humanities (http://catalog.norwich.edu/archives/2017-18/residentialprogramscatalog/generaleducationgoals)	3 Free Elective (or CH 314 / CH 315 Instrumental Analysis)	3-4
General Education Ethics (http://catalog.norwich.edu/archives/2017-18/residentialprogramscatalog/generaleducationgoals)	3 Free Elective (or CH 328 Physical Chemistry II)	3
Free Elective (or CH 204 Quantitative Analysis)	3-4	
Free Elective (or CH 327 Physical Chemistry I)	3	
Semester Total Credits	17 Semester Total Credits	13-14
Total Credits For This Major: 122-121		

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 EN 201 - EN 202.