

## Chemistry Major

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### B.S. in Chemistry - Curriculum Map 2018-2019 Catalog

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Course	Cr.Comp	Course	Cr.Comp
<b>FRESHMAN</b>			
<b>Fall</b>		<b>Spring</b>	
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 121 Calculus I (General Education Math)	4	MA 122 Calculus II (General Education Math)	4
General Education Arts & Humanities ( <a href="http://catalog.norwich.edu/archives/2018-19/residentialprogramscatalog/generaleducationgoals">http://catalog.norwich.edu/archives/2018-19/residentialprogramscatalog/generaleducationgoals</a> )	3	MA 241 Mathematical Computation and Modeling (or Free Elective) <sup>1</sup>	3
Fall Semester Total Cr.:	14	Spring Semester Total Cr.:	14
<b>SOPHOMORE</b>			
<b>Fall</b>		<b>Spring</b>	
BI 101 Principles of Biology I	4	CH 226 Organic Chemistry II	4
CH 214 Communication in Chemistry (or in 3rd year)	1	EN 202 World Literature II <sup>2</sup>	3
CH 225 Organic Chemistry I	4	MA 224 Differential Equations	4
EN 201 World Literature I <sup>2</sup>	3	PS 212 University Physics II	4
PS 211 University Physics I	4	General Education Leadership ( <a href="http://catalog.norwich.edu/archives/2018-19/residentialprogramscatalog/generaleducationgoals">http://catalog.norwich.edu/archives/2018-19/residentialprogramscatalog/generaleducationgoals</a> )	1-3
Fall Semester Total Cr.:	16	Spring Semester Total Cr.:	16-18
<b>JUNIOR</b>			
<b>Fall</b>		<b>Spring</b>	
CH 204 Quantitative Analysis	4	CH 314 Instrumental Methods	3
CH 327 Physical Chemistry I	3	CH 315 Analysis Laboratory (taken with CH 314)	1
CH 337 Physical Chemistry Laboratory I (taken with CH 327)	1	CH 328 Physical Chemistry II	3
Free Elective	3	CH 338 Physical Chemistry Laboratory II (taken with CH 328)	1
Math/Science Elective	3-4	Science/Math Elective	4-3
		Free Elective	3
Fall Semester Total Cr.:	14-15	Spring Semester Total Cr.:	15-14
<b>SENIOR</b>			
<b>Fall</b>		<b>Spring</b>	
CH 324 Biochemistry I (or CH 204 Quantitative Analysis)	4	CH 438 Advanced Inorganic Chemistry (or Math/Science Elective)	3
CH 413 Chemistry Seminar	1	CH 422 Chemical Synthesis and Examination II	3
CH 421 Chemical Synthesis and Examination I	3	General Education Ethics ( <a href="http://catalog.norwich.edu/archives/2018-19/residentialprogramscatalog/generaleducationgoals">http://catalog.norwich.edu/archives/2018-19/residentialprogramscatalog/generaleducationgoals</a> )	3
General Education Social Science ( <a href="http://catalog.norwich.edu/archives/2018-19/residentialprogramscatalog/generaleducationgoals">http://catalog.norwich.edu/archives/2018-19/residentialprogramscatalog/generaleducationgoals</a> )	3	General Education History ( <a href="http://catalog.norwich.edu/archives/2018-19/residentialprogramscatalog/generaleducationgoals">http://catalog.norwich.edu/archives/2018-19/residentialprogramscatalog/generaleducationgoals</a> )	3
Free Elective	3	Free Elective	3
Free Elective	3	Free Elective	3

Fall Semester Total Cr.:	17	Spring Semester Total Cr.:	18	
TOTAL CREDITS FOR THIS MAJOR: 124-126				

- 1 EG 110 may be substituted for MA 241.
- 2 EN 112 or EN 204 may be substituted for one semester World Literature.