

Chemistry Major

B.S. in Chemistry - Curriculum Map 2019-2020 Catalog

Course	Cr.Comp	Course	Cr.Comp
FRESHMAN			
Fall		Spring	
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 (http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals)	3	MA 241 Mathematical Computation and Modeling (or Free Elective) ¹	3
Fall Semester Total Cr.:	14	Spring Semester Total Cr.:	14
SOPHOMORE			
Fall		Spring	
CH 214 Communication in Chemistry (or in 3rd year)	1	CH 226 Organic Chemistry II	4
CH 204 Quantitative Analysis	4	EN 202 World Literature II ²	3
CH 225 Organic Chemistry I	4	MA 224 Differential Equations	4
EN 201 World Literature I (General Education Literature) ²	3	PS 212 University Physics II	4
PS 211 University Physics I	4	General Education Leadership (http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals)	1-3
Fall Semester Total Cr.:	16	Spring Semester Total Cr.:	16-18
JUNIOR			
Fall		Spring	
CH 327 Physical Chemistry I	3	CH 314 Instrumental Methods	3
CH 337 Physical Chemistry Laboratory I (taken with CH 327)	1	CH 315 Analysis Laboratory (taken with CH 314)	1
Free Elective	3	CH 328 Physical Chemistry II	3
Math/Science Elective	3-4	CH 338 Physical Chemistry Laboratory II (taken with CH 328)	1
BI 101 Principles of Biology I	4	Science/Math Elective	4-3
		Free Elective	3
Fall Semester Total Cr.:	14-15	Spring Semester Total Cr.:	15-14
SENIOR			
Fall		Spring	
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 (http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals)	3
General Education Social Science (http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals)	3	General Education History (http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals)	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.