

Physics Major

B. S. in Physics - 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
PS 107 Solar System Astronomy	4	PS 108 Stellar and Galactic Astronomy	4
Fall Semester Total Cr.:		Spring Semester Total Cr.:	
15		15	
SOPHOMORE			
Fall		Spring	
General Education Ethics (http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals)	3	General Education History (http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals)	3
General Education Leadership (http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals)	1-3	General Education Social Science (http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals)	3
MA 223 Calculus III	4	MA 224 Differential Equations	4
PS 211 University Physics I	4	MA 241 Mathematical Computation and Modeling	3
General Education Literature (http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals)	3	PS 212 University Physics II	4
Fall Semester Total Cr.:		Spring Semester Total Cr.:	
15-17		17	
JUNIOR			
Fall		Spring	
General Education Arts & Humanities (http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals)	3	Mathematics Elective ²	3
Mathematics Elective ²	3	PS 334 Classical Mechanics ¹ or 356 Thermal & Statistical Physics	3
PS 341 Modern Physics ¹ or 426 Electricity and Magnetism	3	PS 374 Junior Laboratory II	2
PS 373 Junior Laboratory I	2	PS 444 Quantum Physics ¹ or 428 Electrodynamics & Optics	3
Free Elective	3	Free Elective	3
Free Elective	3		
Fall Semester Total Cr.:		Spring Semester Total Cr.:	
17		14	
SENIOR			
Fall		Spring	
PS 426 Electricity and Magnetism ¹ or 341 Modern Physics	3	PS 356 Thermal & Statistical Physics ¹ or 334 Classical Mechanics	3
PS 451 Seminar I	1	PS 428 Electrodynamics & Optics ¹ or 444 Quantum Physics	3
PS 473 Senior Laboratory I	3	PS 452 Seminar II	1
Free Elective	3	PS 474 Senior Laboratory II (Capstone)	3
Free Elective	3	Free Elective	3
Free Elective	3		
Fall Semester Total Cr.:		Spring Semester Total Cr.:	
16		13	
TOTAL CREDITS FOR THIS MAJOR: 122-124			

- 1 This course is offered in alternate years. Both courses listed are required. For the years these courses are offered, see Course Descriptions.
- 2 The approval of the Department of Physics is required.