

# Physics Major

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

Print as PDF Curriculum Map (<http://catalog.norwich.edu/residentialprogramscatalog/currmaps/phys/physics.pdf>)

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
PS 107 Solar System Astronomy	4	PS 108 Stellar and Galactic Astronomy	4
Fall Semester Total Cr.:	15	Spring Semester Total Cr.:	15
<b>SOPHOMORE</b>			
<b>Fall</b>		<b>Spring</b>	
General Education Ethics ( <a href="http://catalog.norwich.edu/archives/2019-20/residentialprogramscatalog/generaleducationgoals">http://catalog.norwich.edu/archives/2019-20/residentialprogramscatalog/generaleducationgoals</a> )	3	General Education History ( <a href="http://catalog.norwich.edu/archives/2019-20/residentialprogramscatalog/generaleducationgoals">http://catalog.norwich.edu/archives/2019-20/residentialprogramscatalog/generaleducationgoals</a> )	3
General Education Leadership ( <a href="http://catalog.norwich.edu/archives/2019-20/residentialprogramscatalog/generaleducationgoals">http://catalog.norwich.edu/archives/2019-20/residentialprogramscatalog/generaleducationgoals</a> )	1-3	General Education Social Science ( <a href="http://catalog.norwich.edu/archives/2019-20/residentialprogramscatalog/generaleducationgoals">http://catalog.norwich.edu/archives/2019-20/residentialprogramscatalog/generaleducationgoals</a> )	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 ( <a href="http://catalog.norwich.edu/archives/2019-20/residentialprogramscatalog/generaleducationgoals">http://catalog.norwich.edu/archives/2019-20/residentialprogramscatalog/generaleducationgoals</a> )	3	PS 212 University Physics II	4
Fall Semester Total Cr.:	15-17	Spring Semester Total Cr.:	17
<b>JUNIOR</b>			
<b>Fall</b>		<b>Spring</b>	
General Education Arts & Humanities ( <a href="http://catalog.norwich.edu/archives/2019-20/residentialprogramscatalog/generaleducationgoals">http://catalog.norwich.edu/archives/2019-20/residentialprogramscatalog/generaleducationgoals</a> )	3	Mathematics Elective <sup>2</sup>	3
Mathematics Elective <sup>2</sup>	3	PS 334 Classical Mechanics <sup>1</sup> or 356 Thermal & Statistical Physics	3
PS 341 Modern Physics <sup>1</sup> or 426 Electricity and Magnetism	3	PS 374 Junior Laboratory II	2
PS 373 Junior Laboratory I	2	PS 444 Quantum Physics <sup>1</sup> or 428 Electrodynamics & Optics	3
Free Elective	3	Free Elective	3
Free Elective	3		
Fall Semester Total Cr.:	17	Spring Semester Total Cr.:	14
<b>SENIOR</b>			
<b>Fall</b>		<b>Spring</b>	
PS 426 Electricity and Magnetism <sup>1</sup> or 341 Modern Physics	3	PS 356 Thermal & Statistical Physics <sup>1</sup> or 334 Classical Mechanics	3
PS 451 Seminar I	1	PS 428 Electrodynamics & Optics <sup>1</sup> 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.:	16	Spring Semester Total Cr.:	13
<b>TOTAL CREDITS FOR THIS MAJOR: 122-124</b>			

- 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.