

# Physics Major

Print PDF Curriculum Map ([http://catalog.norwich.edu/residentialprogramscatalog/currmaps/phys/phys\\_1472148088029.pdf](http://catalog.norwich.edu/residentialprogramscatalog/currmaps/phys/phys_1472148088029.pdf))

## B. S. in Physics - Curriculum Map 2017-2018 Catalog

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
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 Introductory Solar System Astronomy	4	PS 108 Stellar and Galactic Astronomy	4
Semester Total Credits	15	Semester Total Credits	15
Sophomore			
Fall	Cr.	Spring	Cr.
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 Ethics ( <a href="http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals">http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals</a> )	3	PS 212 University Physics II	4
General Education Literature ( <a href="http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals">http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals</a> )	3	General Education History ( <a href="http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals">http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals</a> )	3
Semester Total Credits	14	Semester Total Credits	14
Junior			
Fall	Cr.	Spring	Cr.
PS 341 Modern Physics or 426 <sup>1</sup>	3	PS 334 Classical Mechanics or 356 <sup>1</sup>	3
PS 373 Junior Laboratory I	2	PS 374 Junior Laboratory II	2
Mathematics Elective <sup>2</sup>	3	PS 444 Quantum Physics or 428 <sup>1</sup>	3
General Education Social Science ( <a href="http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals">http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals</a> )	3	Mathematics Elective <sup>2</sup>	3
Free Elective	3	General Education Arts & Humanities ( <a href="http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals">http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals</a> )	3
Free Elective	3	Free Elective	3
Semester Total Credits	17	Semester Total Credits	17
Senior			
Fall	Cr.	Spring	Cr.
PS 426 Electricity and Magnetism or 341 <sup>1</sup>	3	PS 356 Thermodynamics & Statistical Mechanics or 334 <sup>1</sup>	3
PS 451 Seminar I	1	PS 428 Electrodynamics & Optics or 444 <sup>1</sup>	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		
Semester Total Credits	16	Semester Total Credits	13
Total Credits For This Major: 121			

<sup>1</sup> This course is offered in alternate years. Both courses listed are required. For the years these courses are offered, see Course Descriptions.

<sup>2</sup> The approval of the Department of Physics is required.