

Physics Major

Print PDF Curriculum Map (http://catalog.norwich.edu/residentialprogramscatalog/currmaps/phys/phys_1499806224335.pdf)

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

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| 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 (http://catalog.norwich.edu/archives/2017-18/residentialprogramscatalog/generaleducationgoals) | 3 PS 212 University Physics II | 4 |
| General Education Literature (http://catalog.norwich.edu/archives/2017-18/residentialprogramscatalog/generaleducationgoals) | 3 General Education History (http://catalog.norwich.edu/archives/2017-18/residentialprogramscatalog/generaleducationgoals) | 3 |
| | General Education Social Science (http://catalog.norwich.edu/archives/2017-18/residentialprogramscatalog/generaleducationgoals) | 3 |
| Semester Total Credits | 14 Semester Total Credits | 17 |
| Junior | | |
| Fall | Cr. Spring | Cr. |
| PS 341 Modern Physics or 426 ¹ | 3 PS 334 Classical Mechanics or 356 ¹ | 3 |
| PS 373 Junior Laboratory I | 2 PS 374 Junior Laboratory II | 2 |
| Mathematics Elective ² | 3 PS 444 Quantum Physics or 428 ¹ | 3 |
| Free Elective | 3 Mathematics Elective ² | 3 |
| Free Elective | 3 Free Elective | 3 |
| General Education Arts & Humanities (http://catalog.norwich.edu/archives/2017-18/residentialprogramscatalog/generaleducationgoals) | 3 | |
| Semester Total Credits | 17 Semester Total Credits | 14 |
| Senior | | |
| Fall | Cr. Spring | Cr. |
| PS 426 Electricity and Magnetism or 341 ¹ | 3 PS 356 Thermodynamics & Statistical Mechanics or 334 ¹ | 3 |
| PS 451 Seminar I | 1 PS 428 Electrodynamics & Optics or 444 ¹ | 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 | | |

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.