

Freshman Year

| Autumn Courses | | | Spring Courses | | |
|------------------|-----------------------------|---|------------------|------------------------------------|---|
| PHSX 101 | Freshman Physics Experience | 1 | ASTR 142 | The Evolving Universe | 4 |
| M 151 | Precalculus | 4 | M 171 | Calculus I | 4 |
| PHSX 141 | Einstein's Relativity | 3 | CSCI 135 | Fundamentals of Computer Science I | 3 |
| GenEds | General Education courses | 6 | *WRIT 101 | College Writing I | 3 |
| Elective | Elective course | 1 | Elective | Elective course | 1 |
| <i>Total:</i> 15 | | | <i>Total:</i> 15 | | |

* Semester of enrollment in WRIT 101 depends on beginning letter of student's last name.

Sophomore Year

| Autumn Courses | | | Spring Courses | | |
|------------------|---|---|------------------|--|---|
| PHSX 215 | Fundamentals of Physics I with Calculus | 4 | PHSX 217 | Fundamentals of Physics II with Calculus | 4 |
| PHSX 216 | Physics Laboratory I with Calculus | 1 | PHSX 218 | Physics Laboratory II with Calculus | 1 |
| M 172 | Calculus II | 4 | M 273 | Multivariable Calculus | 4 |
| *For Lang | Foreign Language (optional) | 5 | *For Lang | Foreign Language (optional) | 5 |
| Elective | Elective course | 1 | Elective | Elective course | 1 |
| <i>Total:</i> 15 | | | <i>Total:</i> 15 | | |

* Foreign Language optional. Students may elect Symbolic Systems (Math) for their FL requirement.

Junior Year

| Autumn Courses | | | Spring Courses | | |
|------------------|-------------------------|---|------------------|---|---|
| *ASTR 351 | Planetary Science | 3 | *ASTR 353 | Galactic Astrophysics and Cosmology | 3 |
| *ASTR 362 | Observational Astronomy | 3 | *PHSX 330 | Communicating Physics | 3 |
| PHSX 311 | Oscillations and Waves | 2 | PHSX 301 | Intro to Theoretical Physics | 3 |
| PHSX 343 | Fund. of Modern Physics | 3 | PHSX 320 | Classical Mechanics (elective/optional) | 3 |
| M 221 | Intro to Linear Algebra | 4 | GenEd | General Education course | 3 |
| <i>Total:</i> 15 | | | <i>Total:</i> 15 | | |

* ASTR 351, 353, 362, and PHSX 330 are offered alternate years - may be taken Junior or Senior year.

Senior Year

| Autumn Courses | | | Spring Courses | | |
|------------------|--------------------------------------|---|------------------|---------------------------------------|---|
| *ASTR 363 | Stellar Astronomy and Astrophysics I | 3 | *ASTR 365 | Stellar Astronomy and Astrophysics II | 3 |
| PHSX 423 | Electromagnetism I (elective) | 3 | PHSX 462 | Quantum Mech II (elective) | 3 |
| PHSX 461 | Quantum Mechanics I | 3 | GenEds | General Education courses | 6 |
| PHSX 499 | Senior Capstone Seminar | 1 | Elective | Elective course | 3 |
| GenEd | General Education course | 3 | | | |
| Elective | Elective course | 2 | | | |
| <i>Total:</i> 15 | | | <i>Total:</i> 15 | | |

* ASTR 363, 365, and PHSX 446 offered alternate years - may be taken Junior or Senior year.