

Freshman Year

Autumn Courses

PHSX 101	Freshman Physics Experience	1
M 151	Precalculus	4
PHSX 141	Einstein's Relativity	3
GenEds	General Education courses	6
Elective	Elective course	1

Total: 15

Spring Courses

ASTR 142	The Evolving Universe	4
M 171	Calculus I	4
CSCI 135	Fundamentals of Computer Science I	3
*WRIT 101	College Writing I	3
Elective	Elective course	1

Total: 15

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

Sophomore Year

Autumn Courses

PHSX 215	Fundamentals of Physics I with Calculus	4
PHSX 216	Physics Laboratory I with Calculus	1
M 172	Calculus II	4
*For Lang	Foreign Language (optional)	5
Elective	Elective course	1

Total: 15

Spring Courses

PHSX 217	Fundamentals of Physics II with Calculus	4
PHSX 218	Physics Laboratory II with Calculus	1
M 273	Multivariable Calculus	4
*For Lang	Foreign Language (optional)	5
Elective	Elective course	1

Total: 15

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

Junior Year

Autumn Courses

*ASTR 351	Planetary Science	3
*ASTR 362	Observational Astronomy	3
PHSX 311	Oscillations and Waves	2
PHSX 343	Fund. of Modern Physics	3
M 311	Ordinary Differential Equations	3
Elective	Elective course	1

Total: 15

Spring Courses

*ASTR 353	Galactic Astrophysics and Cosmology	3
*PHSX 330	Communicating Physics	3
PHSX 301	Intro to Theoretical Physics	3
PHSX 320	Classical Mechanics (elective/optional)	3
GenEd	General Education course	3

Total: 15

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

Senior Year

Autumn Courses

*ASTR 363	Stellar Astronomy and Astrophysics I	3
PHSX 423	Electromagnetism I (elective)	3
PHSX 461	Quantum Mechanics I	3
PHSX 499	Senior Capstone Seminar	1
GenEd	General Education course	3
Elective	Elective course	2

Total: 15

Spring Courses

*ASTR 365	Stellar Astronomy and Astrophysics II	3
PHSX 462	Quantum Mech II (elective)	3
GenEd	General Education courses	6
Elective	Elective course	3

Total: 15

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