

Physics Track

Bachelor of Science Sequence of Courses

The following sequence of courses would be typical for students working toward a major in physics, and who are prepared to study PH201/202 in their freshman year. This track is particularly suitable for those who wish to continue their studies at the graduate level. The elective and research choices in the senior year allow students to pre-orient toward individual career interests.

Semester 1

PH 201 Intro to Analytical Physics*	5
MA 106 Anly. Geom. & Calc. I	5
Core Division 1	3
EN 102 Freshman Writing Seminar	3
PE 101 Lifetime Fitness	<u>1</u>
Total Credits	17

Semester 2

PH 202 Intro to Analytical Physics*	5
MA 107 Anly. Geom. & Calc. II	4
SH 198 Public Speaking	2
ID 103 Humanities Colloquium	3
PE 102 Physical Education	<u>1</u>
Total Credits	15

Semester 3

PH 301 Modern Physics	4
PH 303 Electromagnetic Waves	3
MA 208 Analytical Geom. & Cal. III	3
ID 201 Change and Tradition	3
Core Division 2	<u>3</u>
Total Credits	16

Semester 4

PH 311 Exper. Modern Physics	3
PH 321 Inter. Classical Mechanics	4
MA 334 Differential Equations	3
ID 202 Change and Tradition	3
Core Division 3	<u>3</u>
Total Credits	16

Semester 5

PH 315 Math. Methods of Physics	3
PH 331 Electromagnetic Theory I	3
PH 480 Special Topics (Cond. Matter)	3
Foreign Language I	4
Elective	<u>3</u>
Total Credits	16

Semester 6

PH 325 Thermal Physics	4
PH 332 Electromagnetic Theory II	3
PH 421 Quantum Theory I	4
Foreign Language II	<u>4</u>
Total Credits	15

Semester 7

PH 422 Quantum Theory II	4
PH 461 Computational Physics	3
PH 491 UG Research	3
Foreign Language III	<u>3</u>
Total Credits	13

Semester 8

PH 480 Special Topics (Sub-atomic)	3
PH 491 UG Research	3
PH 495 Senior Seminar	1
Elective	3
Foreign Language IV	<u>3</u>
Total Credits	13
Total 8 semesters:	121

* Course with a laboratory component.