

Physics: Optics – Bachelor of Science

FIRST YEAR

Fall Semester	15-19 Hours
UNIV 1001/1113 Intro to Univ Life/Study Strats	(1/3)
ENGL 1113 English Composition I	(3)
PS 1113 American Federal Government	(3)
MATH 2215 Calculus & Analytical Geometry I	(5)
PHYS 1115/1115L Physics I (FA)* or Gen Ed Behavioral Science.....	(3-5)
Spring Semester	17 Hours
ENGL 1213 English Composition II	(3)
MATH 2235 Calculus & Analytical Geometry II	(5)
PHYS 1215/1215L Physics II/Lab or PHYS 2015/2015L Physics I/Lab* (SP)	(5)
CS 1314/1314L Computer Science I/Lab.....	(4)

THIRD YEAR

Fall Semester	16 Hours
General Education Health and Wellness	(1)
General Education Humanities-Diversity.....	(3)
PHYS 3303 Classical Mechanics (FA, E)	(3)
PHYS 3403 Thermal Physics (FA, O)	(3)
Upper Division Elective	(3)
Minor Course	(3)
Spring Semester	16 Hours
COMM 1113 Principles of Communication	(3)
HIST 1483/1493 U.S. History to/since 1865	(3)
PHYS 3043 Introduction to Quantum Mechanics (SP, E)	(3)
Upper Division PHYS Elective	(4)
Minor Course.....	(3)

SECOND YEAR

Fall Semester	16-18 Hours
CHEM 1364/1361 General Chemistry I/Lab	(5)
MATH 2244 Calculus & Analytical Geometry III.....	(4)
PHYS 2541 Introduction to Physics Literature (!) (FA, E)	(1)
Gen Ed Behavioral Science or PHYS 2215/2215L Physics II/Lab* (FA)	(3-5)
Minor Course	(3)
Spring Semester	16 Hours
General Education Health and Wellness.....	(1)
CHEM 1474/1471 General Chemistry II/Lab	(5)
PHYS 3033/3011 Modern Physics I and Lab (SP)	(4)
MATH 3253 Differential Equations	(3)
Minor Course	(3)

FOURTH YEAR

Fall Semester	16 Hours
PHYS 4403/4401 Light and Optics/Optics Lab	(4)
General Education Health and Wellness.....	(1)
General Education Biological Science	(4)
Upper Division PHYS Elective.....	(4)
Minor Course.....	(3)
Spring Semester	13 Hours
General Education Humanities-Aesthetics	(3)
General Education Economics.....	(3)
PHYS 4541 Physics Capstone (!) (SP)	(1)
PHYS 4113 Electricity and Magnetism (SP, O)	(3)
Minor Courses	(3)

^M Denotes Minimum Grade Needed for Course

^R Denotes Restriction to Students Admitted to Educator Preparation Program

! Denotes Critical Course

Bolded courses indicate guaranteed course rotation for major core: (FA=Fall; SP=Spring; SU=Summer; O=Odd Year; E=Even Year).

This is a recommended semester-by-semester plan of study for this major for a hypothetical student and will not substitute for meeting with an advisor to discuss individual student needs. Course offerings are subject to change based on enrollment. However, courses or requirements designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

Graduation Requirements Summary

Minimum Total Hours for Graduation	124
Minimum Upper-Division Hours	40
Minimum Gen Ed Hours	44
Minimum Liberal Arts Hours	55
Minimum Major GPA	2.000
Minimum Overall GPA	2.000