

Physics: Optics Courses – Bachelor of Science

FRESHMAN YEAR

Fall Semester	17-19 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 or PHYS 2015/2015L Physics I/Lab.....	(5)

Spring Semester	17 Hours
ENGL 1213 English Composition II.....	(3)
MATH 2235 Calculus & Analytical Geometry II	(5)
PHYS 1215/1215L or PHYS 2215/2215L Physics II/Lab	(5)
CS 1314/1314L Computer Science I/Lab.....	(4)

JUNIOR YEAR

Fall Semester	16 Hours
General Education Health and Wellness	(1)
General Education Humanities-Diversity.....	(3)
PHYS 3303 Classical Mechanics	(3)
PHYS 3403 Thermal Physics.....	(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	(3)
Upper Division PHYS Elective	(4)
Minor Course.....	(3)

^M Denotes Minimum Grade Needed for Course
[!] Denotes Critical Course

This is a recommended semester-by-semester plan of study for this major. 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

SOPHOMORE YEAR

Fall Semester	17 Hours
CHEM 1364/1361 General Chemistry I/Lab.....	(5)
MATH 2244 Calculus & Analytical Geometry III.....	(4)
PHYS 2541 Introduction to Physics Literature (!).....	(1)
PHYS 4403/4401 Light and Optics with Optics Lab	(4)
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	(4)
MATH 3253 Differential Equations	(3)
Minor Course	(3)

SENIOR YEAR

Fall Semester	15 Hours
General Education Behavioral Science.....	(3)
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 Chemistry Capstone (!)	(1)
PHYS 4113 Electricity and Magnetism	(3)
Minor Courses	(3)