

# Physics

## Degree Type

Bachelor of Science

**Administrator:** Chair, Department of Physics and Engineering

**Requirements:** 59 credits

## Required Courses:

Item #	Title	Credits
PHYS2110	Physics for Science and Engineering I	3
PHYS2110L	Physics for Science and Engineering I Laboratory	1
PHYS2120	Physics for Science and Engineering II	3
PHYS2120L	Physics for Science and Engineering II Laboratory	1
PHYS3130	Modern Physics	3
PHYS3130L	Modern Physics Laboratory	1
PHYS3410	Analytic Mechanics	3
PHYS3500	Statistical Analysis for Physics and Engineering	3
PHYS4610	Electromagnetics	3
PHYS4720	Solid State Physics	3
PHYS4810	Fundamentals of Quantum Mechanics	3
PHYS4970	Research	1
PHYS4980	Senior Seminar/Capstone	1
ENGR1100	Engineering Software Skills	3
ENGR2310	Instrumentation and Measurements Laboratory	1
CHEM2230	General Chemistry for Engineering Students	3
CHEM2230L	General Chemistry for Engineering Students Laboratory	1
CHEM3510	Thermodynamics and Kinetics	3
MATH2510	Calculus I	4
MATH2520	Calculus II	4
MATH3530	Calculus III	4
MATH3540	Differential Equations	4
MATH3560	Numerical Analysis	3

*PHYS4980 must be taken at Northwest Nazarene University.*

In addition, students must take the Physics Major Field Examination in their last semester before graduation.

<b>Total Credits</b>	<b>59</b>
----------------------	-----------