

PHYSICS, BACHELOR OF SCIENCE

Requirements

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (<https://catalog.wheaton.edu/undergraduate/academic-policies-information/academic-requirements-general-education/>) and graduation requirements (<https://catalog.wheaton.edu/undergraduate/academic-policies-information/academic-requirements-general-education/#text>) under a single catalog.

Bachelor of Science in Physics requirements are a minimum of 36 hours in physics, including:

Code	Title	Credits
Major Requirements		
PHYS 231	Introductory Physics I	4
PHYS 232	Introductory Physics II	4
PHYS 294	Physics for the Future	2
PHYS 334	Computer Modeling of Physical Systems	2
PHYS 331	Spacetime and Quanta	4
PHYS 341	Analytical Mechanics	4
PHYS 342	Electromagnetic Theory	4
PHYS 344	Quantum Mechanics	4
PHYS 345	Methods of Data Analysis and Presentation	2
PHYS 351	Analog Electronics	2
PHYS 494	Senior Seminar	2
Select at least 2 credits of the following:		2
PHYS 352	Computer Data Acquisition	
PHYS 354	Advanced Optics	
PHYS 359	Thermodynamics ¹	
PHYS 361	Solid State Physics and Nanotechnology	
PHYS 362	Plasma Physics	
PHYS 363	Introduction to Medical Physics	
PHYS 366	Particle Physics and Cosmology	
PHYS 367	Introduction to Stellar and Galactic Astrophysics	
An approved research experience or PHYS 343		0-2
Total Credits		36-38

¹ PHYS 359 Thermodynamics and research experience are strongly recommended for those going on to graduate studies in physics.

Code	Title	Credits
Supporting Course Requirements		
MATH 231	Calculus I	2-4
or MATH 233	Calculus I B	
MATH 232	Calculus II	2-4
or MATH 234	Calculus II B	
MATH 245	Linear Algebra	4
MATH 331	Vector Calculus	2
MATH 333	Differential Equations	4
CHEM 231	General Chemistry I	4