

# PHYSICS, BACHELOR OF ARTS

## 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.

*(Students wishing to pursue graduate studies in physics should not complete the BA but should instead complete the requirements for the BS in Physics.)*

**Bachelor of Arts in Physics** requirements are a minimum of 60 hours, including:

Code	Title	Credits
<b>Major Requirements</b>		
PHYS 231	Introductory Physics I	4
PHYS 232	Introductory Physics II	4
PHYS 294	Physics for the Future	2
PHYS 331	Spacetime and Quanta	4
PHYS 334	Computer Modeling of Physical Systems	2
PHYS 341	Analytical Mechanics	4
PHYS 345	Methods of Data Analysis and Presentation	2
PHYS 351	Analog Electronics	2
PHYS 494	Senior Seminar	2
Select one of the following:		4
PHYS 342	Electromagnetic Theory	
PHYS 344	Quantum Mechanics	
PHYS 359	Thermodynamics	
Select at least 2 credits of the following:		2
PHYS 352	Computer Data Acquisition	
PHYS 354	Advanced Optics	
PHYS 359	Thermodynamics	
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/internship experience or PHYS 343		0-2
<b>Supporting Courses</b>		
CHEM 231	General Chemistry I	4
MATH 235	Calculus I	4
MATH 236	Calculus II	4
MATH 237	Calculus III	4
MATH 245	Linear Algebra	4
MATH 333	Differential Equations	4
Select one 4-credit course outside the PHYS prefix approved by the advisor as contributing to the student's intended post-graduation plans		4
<b>Total Credits</b>		<b>60-62</b>