

PHYSICS: GEOPHYSICS, 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: Geophysics requirements are 26 hours in physics and 16 hours in geology including:

Code	Title	Credits
Major Requirements		
<i>Physics</i>		
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 & Quanta	4
PHYS 341	Analytical Mechanics	4
PHYS 345	Methods of Data Analysis and Presentation	2
PHYS 351	Analog Electronics	2
PHYS 494	Senior Seminar	2
<i>Geology</i>		
GEOL 201	Exploring the Dynamic Earth - Field	4
or GEOL 211	Exploring the Dynamic Earth	
GEOL 321	Earth History and Stratigraphy	4
or GEOL 437	Hydrogeology	
GEOL 365	Physics of the Earth	2
GEOL 443	Structural Geology	4
GEOL 495	Problems In Geology	2
Total Credits		42

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