PHYSICS MAJOR WITH TEACHING, BACHELOR OF SCIENCE

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.

Physics Major with Teaching, Bachelor of Science requirements are 64 hours, 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 331	Spacetime and Quanta	4
PHYS 334	Computer Modeling of Physical Systems	2
PHYS 341	Analytical Mechanics	4
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	
Supporting Courses		
ASTR 305	Astronomy	4
or PHYS 305	Dakota Skies: Astronomy and Atmospheric Science in the Black Hills	
BIOL 201	Contemporary Topics in Life Science	4
or BIOL 241	Organization of Life: Genetics and Cell Biology	
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
SCI 321	Methods of Teaching High School Science	2
SCI 325	Methods of Teaching Middle Grade Science	2
Education courses as specified by the Education Department		
Total Credits		**64**

Students opting for this program should spend at least one year as a teaching assistant in the Physics Department. Completion of these requirements will lead to teacher licensure. A Master of Arts in Teaching (MAT) program is also available with a Physics major. A combined Bachelor's/MAT program may be completed in five years and one summer. See the Education (https://catalog.wheaton.edu/undergraduate/arts-sciences/education/) section in this catalog.