

# PHYSICS MAJOR, BACHELOR OF ARTS (BA)

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The Bachelor of Arts degree allows the student to acquire a physics degree with strong emphasis in one or more related fields of study. This degree is ideal preparation for graduate work in such areas as geophysics, biophysics and physical chemistry. Physics graduates also commonly enter graduate schools in engineering fields.

## Notes:

- two years of a single high school foreign language or one year of a single college level foreign language is required;
- this major requires the completion of a minor.

## Required Courses

PHYS 151	GENERAL PHYSICS I	4
PHYS 152	GENERAL PHYSICS II	4
PHYS 153	GENERAL PHYSICS III	4
PHYS 161	MECHANICS LABORATORY	1
PHYS 162	HEAT AND OPTICS LABORATORY	1
PHYS 163	INSTRUMENTATION LAB I	1
PHYS 164	INSTRUMENTATION LAB II	1
PHYS 221	GENERAL PHYSICS IV	4

**Electives—choose in consultation with advisor; courses are subject to approval by the Physics Department.** 25

Total Credits 45

For information on General Education, see Undergraduate Degree (<http://catalog.ewu.edu/archives/2016-2017/undergraduate-degree>).

## Student Learning Outcomes—students will

- demonstrate knowledge of the basic concepts of physics (such as mechanics, thermodynamics and electricity and magnetism);
- make and interpret laboratory measurements in physics;
- write effectively using the language of physics.