

DEPARTMENT OF PHYSICS AND EARTH SCIENCE

<https://www.una.edu/physics/>

The Department of Physics and Earth Science offers a major program in physics. This program leads to the Bachelor of Arts or the Bachelor of Science degree. The physics program has four options, Professional Physics, General Physics, Geophysics, and General Science. The Department offers a Bachelor of Arts and a Bachelor of Science degree in Earth Systems Sustainability. Academic minor programs in physics, geology, and Earth Systems Sustainability support coursework for other majors and preprofessional programs. Many courses offered are applicable toward the science requirements in the general education component of all university programs.

The Professional Physics option of the physics major is designed especially for students who anticipate pursuing further studies in physics beyond the bachelor's degree. It is a rigorous program that aims at preparing students to meet the challenges of graduate studies in physics.

The General Physics option of the physics major is designed for students who anticipate seeking employment after receiving the bachelor's degree or who intend to pursue graduate studies in a field other than physics. This option provides a more flexible program, which may be tailored to better suit the particular needs and goals of individual students.

The geophysics option of the physics major is designed for students interested in the Earth's dynamic changes. Attention is given to data analysis using programming and scripted languages of geophysicists as students prepare to enter the field or seek graduate degrees.

The General Science option is a rigorous field of study primarily designed for secondary education majors.

The Earth Systems Sustainability degree prepares students to enter careers in sustainability in the Earth sciences and in other, diverse areas. Students are prepared to enter graduate programs of sustainability as well as Earth Sciences.

Majors

- BA/BS Major in Physics (<https://catalog.una.edu/undergraduate/colleges-programs/arts-sciences/physics-earth-science/physics-ba-bs>)
- BS Major in Earth Systems Sustainability (<https://catalog.una.edu/undergraduate/colleges-programs/arts-sciences/physics-earth-science/earth-systems-sustainability-bs>)

Minors

- Earth Systems Sustainability Minor (<https://catalog.una.edu/undergraduate/colleges-programs/arts-sciences/physics-earth-science/earth-systems-sustainability-minor>)
- Geology Minor (<https://catalog.una.edu/undergraduate/colleges-programs/arts-sciences/physics-earth-science/geology-minor>)
- Physics Minor (<https://catalog.una.edu/undergraduate/colleges-programs/arts-sciences/physics-earth-science/physics-minor>)