

# PHYSICS, B.S. (BEHREND)

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**Begin Campus:** Any Penn State Campus

**End Campus:** Erie

## Program Description

The major provides education in the fundamentals of physics and selected advanced topics to prepare graduates for graduate education or for careers in industry. Students have opportunities to participate in research with faculty. In addition to the traditional physics education offered in the General Physics option, the option in applied physics, Computational Physics, provides preparation for careers in technological fields.

## What is Physics?

Physicists study natural phenomena in the universe, from the smallest length scales to the largest in the cosmos, to discover the basic principles or laws which govern the physical world. Knowledge of physics is crucial to truly understanding the world around us, the world inside us, and the world beyond us. This degree will provide students with the fundamental conceptual, mathematical, computational, and experimental tools that are needed to attack the scientific and technological problems of today and in the future.

## You Might Like This Program If...

- You are interested in science, math, chemistry, astronomy, astrophysics, thermodynamics, optics, quantum mechanics, theoretical mechanics, electrodynamics, solid state physics, electricity, or magnetism.
- You enjoy both theoretical study and hands-on laboratory work.
- You can envision yourself studying the night sky in Penn State Behrend's Mehalso Observatory or Yahn Planetarium.
- You're looking for a foundational major that supports diverse career paths in the sciences, engineering, research, education, and health care.