

# PHYSICS

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## Overview

**Degrees Offered:** AS

**Program Begins:** Fall, Spring, Summer

**Delivery Method:** Online, On Campus

**Phone:** 701-224-5486

**Email:** bsc.has@bismarckstate.edu

## Description

Physics is concerned with understanding the world around us, from elementary particles to the structure and origin of the universe. Physics provides, together with mathematics and chemistry, the foundation of work in all fields of physical science and engineering and has applications in biology and medical science. At BSC, students take the first two years of core classes in math, chemistry, physics, and computer programming needed to pursue a major in physics at a four-year college.

## Preparation

Students taking Physics courses typically enjoy critical thinking and problem solving. Good interpersonal and writing skills are invaluable. High school students should have mathematics courses in algebra and geometry and a background in the sciences.

## Requirements

Students who complete the requirements earn an Associate in Science degree.

Bismarck State College has many cooperative, articulation, or transfer agreements with postsecondary institutions both inside and outside of the North Dakota University System. Some of these agreements are established to allow students to remain on campus as they complete their bachelor's degree. In all cases, students seeking to transfer after completing a degree at BSC should consult the academic catalog of their destination college and work with their academic advisor to plan for this transition.

## Career Opportunities

Demand for physicists doing basic research, applied research, research and development, and working in a variety of technical fields is promising. Graduates with academic degrees in physics or astronomy will find their knowledge of science and mathematics useful for entry into many occupations. A student majoring in physics should be prepared for careers in education, industry, and advanced work in the various fields of physics or the interdisciplinary fields of biophysics, chemical physics, and geophysics.

Career opportunities: Condensed Matter Physicist, Astrophysicist, Particle and Nuclear Physicist, Medical Physicist, Atomic, Molecular, and Optical Physicist.

## Degree Plans

- Physics Associate in Science