

# CHEMISTRY

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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

The Chemistry transfer pathway provides the first two years of core classes toward a baccalaureate degree for students planning a career in chemistry or related field. Other areas for which chemistry serves as the basic foundation are pre-medicine, pre-veterinary science, pharmacy, and chemical engineering. Coursework includes general chemistry, organic chemistry, calculus, university physics, and differential equations.

## Preparation

Students planning careers as chemists should enjoy science and mathematics, have an inquisitive mind and imagination, and enjoy working with their hands. They also must be able to concentrate on detail and work independently. High school students planning to major in chemistry should study as much science and math as possible.

## Requirements

Those completing the suggested curriculum requirements receive 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

Chemists often specialize in a subfield of chemistry, such as analytical, organic, inorganic, physical, polymer, or biochemistry. More than half of all chemists work in research and development for manufacturing firms and chemical companies. Others work in production and inspection or as marketing or sales representatives, teachers, and consultants to private industry and government agencies.

Career possibilities: Chemist (any industry), Chemistry Teacher, Crime Laboratory Analyst, Air Pollution Analyst, Soils Analyst, Water Quality Analyst, Food Chemist.

## Degree Plans

- Chemistry Associate in Science