

# BIOTECHNOLOGY

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## Overview

**Degrees Offered:** Program Certificate

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

**Delivery Method:** Online, On Campus

**Phone:** 701-224-5486

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

## Description

This certificate will cover biology, chemistry, and biotechnology as a foundation for students who are interested in the sciences and/or medical field. It may be completed independently or alongside the Liberal Arts transfer AS Biology pathway.

## Preparation

Students interested in biology, microbiology, and chemistry should build on a foundation of these core classes. Students should be comfortable with hands-on techniques and protocols with science courses. This certificate will allow students to gain foundational courses to continue with their academic career.

## Requirements

Students who complete the curriculum requirements receive a Program Certificate in Biotechnology.

## Career Opportunities

**Career possibilities:** Clinical Laboratory Technologist, Clinical Laboratory Technician, and Biological Technician

## Degree Plans

- Biotechnology Program Certificate

## Program Learning Outcomes

Upon graduation, Biotechnology students will be able to:

- Perform standard laboratory techniques safely and effectively while following proper laboratory protocols and safety practices.
- Analyze and interpret scientific data.
- Apply critical thinking to solve basic biotechnology problems.
- Communicate scientific results clearly in written and oral formats.