

# OPERATIONS MANAGEMENT

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## Overview

**Degrees Offered:** BAS

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

**Delivery Method:** Online, On Campus

**Phone:** 701-224-5651 • 800-852-5685

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

## Description

The Bachelor of Applied Science (BAS) degree in Operations Management is designed to upskill technical individuals with supervisory proficiencies essential in managing industrial manufacturing, production, automation, food and beverage, and logistics and distribution facilities. The program is designed to serve individuals already working in the industrial workplace or associate degree graduates who want to continue their education. This career-oriented degree prepares graduates to assume greater management roles within these industries. Courses are delivered through online formats, providing greater flexibility for students and their work obligations.

## Preparation

To enroll, a student must have completed an Associate in Applied Science degree, Certificate, or Diploma in Industrial Automation & Robotics, Instrumentation & Control Technology, Petroleum Production Technology, Power Generation Technology, Process Technology, Heating, Ventilation and Air Conditioning, Welding or an approved and related program from an accredited institution. Previous college coursework, along with industry experience and/or military training, may be considered to determine eligibility.

## Computer Requirements

All BSC courses use a Learning Management System (LMS) called Blackboard. Chromebooks, Chrome OS devices, iPads, and mobile devices (iOS, Android phones, tablets) do not allow students to satisfactorily access and complete course content.

Please refer to the Computer Specifications for BSC students.

## Program Requirements

Students who complete the curriculum requirements receive a Bachelor of Applied Science degree in Operations Management.



*This program receives funding from the U.S. Department of Labor; therefore, veterans and eligible spouses receive priority of service over non-covered persons. (20 CFR 1010)*

## Career Opportunities

Upon completion of the program, students are equipped to plan, direct, or coordinate the industrial work activities and resources necessary for manufacturing products in accordance with cost, quality, and quantity specifications.

Career opportunities: Industrial Production Manager, Operations Manager, Manufacturing Manager, Production Control Manager, Quality Control Manager.

## College Admission

Review BSC's How to Apply page and complete the college admission requirements.

## Program Admission

Operations Management requires completion of a degree (Associate in Applied Science, Diploma, or Program Certificate) in an approved related program from an accredited institution. Previous college coursework, along with industry experience and/or military training, may be considered to determine eligibility.

## Degree Plans

- Operations Management Bachelor of Applied Science

## Program Learning Outcomes

Upon graduation, Operations Management students will be able to:

- Demonstrate a proficient understanding to optimize production efficiency and quality across diverse industrial settings. This is achieved by strategically integrating Operations Management principles with cutting-edge automation technologies.
- Develop the critical thinking skills necessary to assess and implement optimal automation solutions within complex production systems. Safety, quality, and overall operational effectiveness remain paramount considerations.
- Effectively lead and empower automation teams within high-performance work environments. This includes fostering a culture of safety and productivity through clear communication of automation concepts, procedures, and key performance indicators.
- Leverage data analytics to identify and strategically address operational challenges related to automation integration. Continuous improvement methodologies ensure optimized and reliable production processes.
- Develop and articulate comprehensive automation plans and strategies tailored for diverse stakeholders with varying technical backgrounds. Ensure alignment with industry best practices, safety regulations, and quality standards.