

MECHATRONICS ENGINEERING TECHNOLOGY

BACHELOR OF APPLIED SCIENCE
ON-CAMPUS



CAREER opportunities

- Production Design Technician
- Product development Engineering Technician
- Lean Manufacturing Technician
- Engineering Operations Technician
- Engineering Field Technician
- Plant Engineering Technician
- Quality Technician
- Reliability Engineering Technician
- Mechatronics Test Engineering Technicians
- Controls Engineering Technician
- Safety Engineering Technician



Start with BSC's **2-year Industrial Automation** degree, then level-up your career with this 4-year Mechatronics Engineering Technology degree. **Stackable certificates** are also available.

HANDS-ON LEARNING. **WORKFORCE READY.**

Mechatronics Engineering Technology is an interdisciplinary technical branch of engineering that focuses on electrical and mechanical systems.

This 4-year degree will prepare you to work with smart devices that incorporate mechanical, electrical, computer and software components, such as robots, automated guided systems and computer-integrated manufacturing equipment. As industry advances and the complexity of technical systems continues to evolve, there is a need for qualified individuals to design and develop components and parts to produce safe and efficient automated equipment.

PRESCRIBED TECHNICAL PROGRAM REQUIREMENTS

MGMT 371	Project Management Fundamentals
MGMT 381	Reliability of Manufacturing Processes
MET 320	Integrated Engineering Sciences
MET 330	Input and Output System Applications
MET 340	Workcell Design, Ergonomics and Efficiency
MET 390	Mechatronics Externship I
MET 410	Material Properties and Mechanics
MGMT 437	Quality Practices & Measurement
MET 420	Robotics Applications
MET 430	System Programming and process Control
MET 450	Mechatronics System Design
MET 490	Mechatronics Externship II
MATH 147	Applied Calculus II
CAD 201	Fund. Of Graphical Communication
CIS 185	Introduction to Programming

**Program also includes required general education classes*

*** To enroll, a student must have completed BSC's Associate in Applied Science (AAS) degree in Industrial Automation or an AAS degree, Certificate or Diploma in an approved and related program from a regionally accredited institution. This is a limited enrollment program.*



**STRONG JOB
MARKET**



**INDUSTRY
SKILLS**



**\$84K MEDIAN
SALARY**

bismarckstate.edu

*Earning estimates were provided by Lightcast in the summer of 2024

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