

INDUSTRIAL AUTOMATION & ROBOTICS

LIMITED ENROLLMENT • ON CAMPUS
SELECT COURSES AVAILABLE ONLINE



National and regional job statistics indicate increasing job openings due to workforce exits and occupational transfers in addition to new jobs created in the sector.

CAREER opportunities

- Industrial Automation Technician
- Mechatronics Technician
- Service Technician
- Field Service Engineer Technician
- Maintenance Technician
- Equipment Support Specialist
- Biomedical Technician
- Automation Engineer Technician



Level up your earning power and continue your education with a 4-year **Mechatronics Engineering Technology** degree from BSC.



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

HANDS-ON LEARNING **WORKFORCE READY.**

Build on foundational knowledge offered in other energy related programs with a two-year Industrial Automation & Robotics degree from Bismarck State College.

Automation is a key facet in many industries including manufacturing, food and beverage, energy, logistics and more. As technology continues to advance, skill sets in automation are needed more than ever. With BSC's Associate in Applied Science in Industrial Automation you will be prepared to apply the skills you learn into an exciting and unlimited career.

PRESCRIBED TECHNICAL PROGRAM REQUIREMENTS

MECHATRONICS I CERTIFICATE

		CREDITS
ELEC 100/100L	Direct Current Analysis/Lab	5
ELEC 120/120L	AC Analysis/Lab	5
ESRE 216	Mechanical Drive Systems	4
ESRE 213	Hydraulic Fundamentals	3

MECHATRONICS II CERTIFICATE

		CREDITS
ICTL 215/215L	Instrument and Drawings/Lab	5
ICTL 235/235L	Motors and Controllers/Lab	5
ICTL 245/245L	Controls/Lab	5
ENRT 240	Industrial SCADA	3

INDUSTRIAL ROBOTICS CERTIFICATE

		CREDITS
INAU 210	Automation Systems	3
INAU 230	Industrial Robotics	3
INAU 220	Machine Vision & Identification	3
INAU 240	Integrated Systems, Design and Setup	3
INAU 245	Integrated Systems, Troubleshooting & Quality Control	4

*Program also includes required general education classes



**STRONG JOB
MARKET**



**SEAMLESS
TRANSFER TO
4-YEAR PROGRAM**



**\$67K MEDIAN
SALARY**



bismarckstate.edu

*Earning estimates were provided by Lightcast in the spring of 2025

An equal opportunity provider.
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