



Polytechnic Newsletter November 2021

Today's Workforce

Workforce is the most critical resource for your business, and that's why engagement and connection with BSC is so important. BSC has a unique opportunity, and a very important responsibility as we influence community development, workforce development, and economic development. Strong communities require a strong workforce; a strong workforce requires a strong economy; a strong economy requires communities where people want to live, work, and grow their business. Awareness is key and with open lines of communication to business and industry, and community partners, we improve the quality of life.



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Meeting the Needs of Business & Industry

BSC, North Dakota's Polytechnic Institution, provides industry responsive pathways for learners. Curriculum is developed in partnership with industry; aligns with business and industry standards; and educates the talent that is essential in today's workforce.

Highlighting the benefit of these partnerships is BSC's new Bachelor of Science (BAS) in **Automation Management** degree. The degree was designed to develop the necessary skills to be employed in industrial management positions. The idea for the program came about when the manufacturing industry recognized a need to support their workforce. According to Bruce Emmil, Dean of the **National Energy Center of Excellence (NECE)**, "industry was looking for a management program for their technicians to complete online, and upskill their technicians for transition into middle management roles. This led to a meeting on workforce needs with BSC leaders and several manufacturing representatives, which ultimately led to the development of the BAS in Automation Management degree."

As BSC continues to connect, collaborate, and create opportunity for employees and employers to maximize their potential and be successful, this online program is a step in the right direction and Dan Schmidt, Department Chair NECE summed it up nicely, "It's exciting to help people reach goals".

Enrollment will open for applications into the **Automation Management Program** starting in the Spring of 2022.

AUTOMATION MANAGEMENT

ONLINE

BSC BISMARCK STATE COLLEGE | North Dakota's Polytechnic Institution

TUITION WAIVERS AVAILABLE

Develop your skills for opportunities in current industrial management positions. This program serves learners already working in the industry and those with related degrees who want to continue their education.

CAREER opportunities

- Industrial Production Manager
- Operations Manager
- Manufacturing Manager
- Production Manager
- Production Control Manager
- Assembly Supervisor
- Manufacturing Coordinator
- Production Line Manager
- Quality Control Manager

NATIONAL ENERGY CENTER OF EXCELLENCE

HANDS-ON LEARNING.

WORKFORCE READY.

BSC's Automation Management program answers the demands of this industry for qualified supervisors and managers.

Direct and coordinate production, processing, distribution, and automation activities in industrial settings. Managers in the manufacturing sector plan, direct, and coordinate the work activities and resources in accordance with cost, quality, and quantity specifications. This program provides opportunities for people currently employed in the industry and those who want to continue their education. Thanks to BSC's partnerships, this curriculum is directly enhanced by what current industry expects from its leadership. The program includes General Education classes, management courses, and industrial management courses.

Prescribed Technical Program Requirements

BADM 202	Principles of Management	3 credits
BADM 282	Human Resource Management	3 credits
ACCT 320	Cost Accounting	3 credits
MGMT 381	Project Mgmt. Fundamentals	3 credits
FIN 326	Business Finance	3 credits
ENRG 320	Fundamentals of Workforce Safety	3 credits
MGMT 427	Logistics and Supply Chain Management	3 credits
MGMT 427	Reliability of Manufacturing Processes	3 credits
MGMT 437	Quality Practices & Measurement	3 credits
AM 415	Management of Industrial Facilities	3 credits
AM 441	Ethics in Artificial Intelligence	3 credits
AM 467	Quality Assurance – Lean Six Sigma	3 credits

STRONG JOB MARKET

\$90K AVERAGE SALARY

INCREASED JOB QUALIFICATIONS

bismarckstate.edu

NECE-AA001

Out & About

BSC's Agriculture Department hosted an Ag Expo at the Student Union on November 16th. Over 65 students walked through to learn about the industry of agriculture and to explore careers in the Ag industry. The event highlighted existing partnerships between BSC and the Ag industry, and gave students a valuable opportunity to network. THANK YOU to all participating employers!



Come See Us!

Upcoming Events

- Dec 2: **Health, Technology, and Trades Career Expo**- Fargo
- Dec 21: **Dickinson High School Academy Expo**- Dickinson

Inquire Here

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