



Mechatronics

The Mechatronics Academy is a competency-based training program designed to ensure graduating students have demonstrated knowledge and skills essential to perform troubleshooting, service, and repair on mechatronic and electrical systems in an industrial setting. This academy will prepare trainees for jobs which require electrical, mechanical, computer, robotics, and automation skills sets. The electromechanical and robotics training provided in the Mechatronics Academy will prepare graduates to enter the industrial sector in positions such as industrial maintenance technician, automated manufacturing technician, electrical technician, mechanical technician, and industrial maintenance and repair. The combination of skills gained through this training is highly transferable to technician jobs in many industry sectors.

Career Options

High school and 2-year college:

Industrial maintenance technician, automated manufacturing technician, electrical technician, mechanical technician, and industrial maintenance and repair.

Four-year college or more:

Any Engineering degree, Engineering is the most versatile degree to receive for a career in business and industry.

Real World Experience

- Job-shadow, internship, or Exploring program
- Work Seminar / Employment Skills

Foundational Required Courses

- Certified Production Technician Safety (MSSC: Manufacturing Skill Standards Council)

Choose at Least Two of the Following

- Mechatronics (Mechanical Fabrication)
- Mechatronics (AC/DC Electrical Systems)
- Mechatronics (Basic Hydraulics)
- Mechatronics (Rotating Electrical Machines)
- CNC NIMS Machine Operator

Recommended Courses

- Introduction to Industrial Technology
- Electricity & Electronics I
- Machine Tool Technology
- Advanced Machine Tool Technology
- College Financial Literacy

Visit our website for more information at BemidjiCareerAcademies.com

All students are REQUIRED to complete 40 hours of these in order to graduate with an ACADEMY AWARD.

JOB-SHADOWING • INTERNSHIP • WORK-BASED LEARNING