

NORTH MONTCO TECHNICAL CAREER CENTER

ROBOTICS AND AUTOMATION TECHNOLOGY

The Robotics & Automation Technology program prepares students for career opportunities in manufacturing environments where automated and semi-automated machines and processes are used. Students will perform activities and obtain fundamental knowledge in the following areas: electrical, electronics, robotics, mechanical systems, pneumatics, hydraulics, plc's, blueprint reading and control systems.

What you will learn:

- Electronics
- Robotics
- Mechanical Systems
- Pneumatics
- Hydraulics
- PLC's
- Blueprint reading
- Control systems

Physical criteria:

- Manual dexterity
- Strong eye/hand coordination

Equipment list:

- (With approximate costs)
- Safety glasses (\$8)
 - Class materials (\$15)

Certifications students can earn:

- International Siemens Mechatronics
- General Industry Safety (OSHA)

Career possibilities:

- Mechanical Technician
- Electronics Technician
- Automation Technician
- Robotics Technician
- Pneumatic Technician

Career possibilities with additional education:

- Mechanical Engineer
- Electronics Engineer
- Robotics Engineer
- Electrical Engineer
- Manufacturing Engineer

Class of 2010 graduation plans:

- 67% plan to continue their education in this field
- 33% found employment in this field

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