

NORTH MONTCO TECHNICAL CAREER CENTER

MECHATRONICS

The Mechatronics program offered at NMTCC provides a synergistic approach to the understanding of principles in the engineering field. The program focuses on mechatronics engineering technology, which is a multidisciplinary field where workers design, troubleshoot, maintain and repair sophisticated automated equipment through a systems approach. Students will perform activities and obtain fundamental knowledge in the following areas: electrical, electronics, robotics, mechanical systems, fluid power systems, programmable logic controllers, control systems and mechatronics. Engineers and technicians with training in mechatronic systems have the greatest career mobility across technical disciplines.

What you will learn:

- Electrical Systems
- Robotics
- Mechanical Systems
- Fluid Power
- 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)
- Activity Fee (\$20)

Certifications students can earn:

- International Siemens Mechatronics
- AMIST I
- Fanuc Robot Programmer
- 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 2017 graduation plans:

- 89% plan to continue their education in this field
- 11% plan to join the military

North Montco Technical Career Center
1265 Sumneytown Pike, Lansdale, PA 19446
215-368-1177 • www.nmtcc.org

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