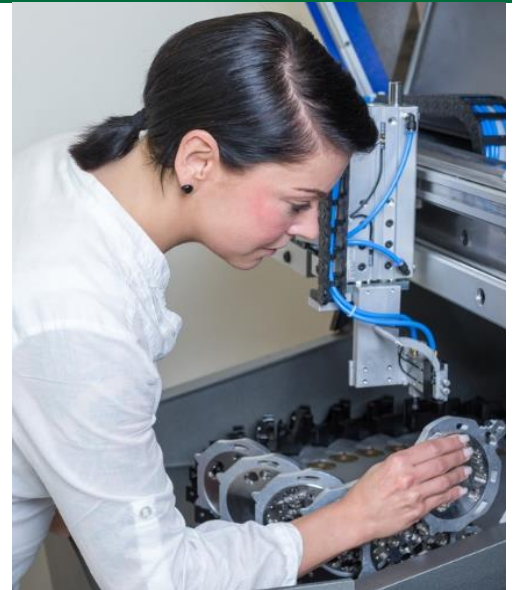


Mount Wachusett
Community College

July 10th – August 17th
Tuesday – Friday
9:00am- 2:30pm
(30 minutes for lunch)

LOCATION:
MWCC, Devens Campus
27 Jackson Road
Devens, MA 01434



AUTOMATION TECHNICIAN TRAINING

OVERVIEW

The Automation Technician Training (ATT) Program is a hands-on program that prepares students for jobs in advanced manufacturing companies and for additional training in the future.

PROGRAM COSTS COVERED FOR AGES 17-29!

STUDENT SUPPORT SERVICES

- Transportation services available, MART Bus access.
- Career Development Coach works with participants on updating résumés, improving interview skills and finding the optimal job opportunities or internship for each participant.

INDUSTRY VETTED COURSE CONTENT

- Safety and Standard Operating Procedures
- Introduction to Programmable Logic Controllers
- Quality and Metrology
- Automated Electromechanical Systems

CAREER OPPORTUNITIES

Students will be prepared to seek jobs in the operation, maintenance and installation of industrial equipment at local companies.

Take the next step to advance your career with hands-on training including troubleshooting mechatronics equipment, electrical testing, sensor adjustment, and more!

978-632-6600 | mwcc.edu
AA/EEO Institution

This program is sponsored by a \$4 million grant from the U.S. Department of Labor, Employment and Training Administration. The MassAMTC program is an Equal Opportunity program. Federal Award ID No HG-29355-16-60-A-25.

FAQs

Am I a good fit for the Automation Technician Training program? *Speak with a MWCC Career Development Coach or Career Center Case Manager to determine whether the training is a good fit for you.*

How do I pay? *No cost for eligible participants. Other arrangements available.*

How long is the training? *The training encompasses 120-hours in the classroom and is typically offered in a 6-week format. Other formats may be available.*

I am over the age of 29 but very interested in the program, can I still sign up? *Speak with the Career Development Coach at MWCC to determine eligibility and potential next steps.*

Contact MWCC Career
Development Coach

978-630-9883

mwcc.edu/manufacturing

Automation Technician Training

This program is designed to provide the concepts and skills necessary to become a Manufacturing Technician employed by manufacturing companies running automated equipment. The content areas include online modules as well as hands on activities using training equipment. The concepts and skills presented during the program are relevant to setup, programming, running, and troubleshooting automated equipment.

Content Area	Overview
Safety and Standard Operating Procedures	<ul style="list-style-type: none">• Students are introduced to general safety in Industry, Lockout /Tagout and SOPs
Programmable Logic Controllers	<ul style="list-style-type: none">• Students set up communication with a PLC• Create and run ladder logic programs on a PLC• Incorporate a number of different program instructions including (timers, counters, math functions, move instructions, sequences etc...)
Fluid Systems (Hydraulics and Pneumatics)	<ul style="list-style-type: none">• Students are introduced to the differences as well as the similarities between Hydraulic and pneumatic systems.• Students will be able to identify and troubleshoot components of a fluid system
Sensors	<ul style="list-style-type: none">• Students are introduced to a number of different sensors types and their uses.• Students will align, adjust and test a number of sensors types
Industrial Electrical Systems	<ul style="list-style-type: none">• Students are introduced to both AC and DC electrical circuits and testing devices• Students will set up motor control circuits• Identify and mount components in electrical enclosures
Mechanical Drives	<ul style="list-style-type: none">• Students are introduced to belt, chain and gear drives• Students will be introduced to mechanical advantage, drive ratios and torque and the corresponding calculations• Students will assemble an align a drive system
Mechatronics Troubleshooting	<ul style="list-style-type: none">• Students are introduced to troubleshooting faults in a mechatronics assembly system using system schematic diagrams, troubleshooting charts and I/O verification

CREDITS & CERTIFICATIONS

- Students who complete ATT can later take a 40-hour Introduction to Robotics in Automation program and receive the FANUC CERT “Handling Tool Operations and Programming” Cert Level I upon completing the online modules, classwork, and passing the final exam.
- This training prepares students for the content within the advanced manufacturing credit program material.