



**FREE TO  
THOSE  
WHO ARE  
ELIGIBLE**

**Robotics & Automation Training**  
The Robotics & Automation Training program prepares you for jobs in advanced manufacturing companies and for additional training in the future.  
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February 4-March 22 4PM-9PM  
Northern Essex Community College

**For More Info/Register Call 978-556-3067 or 978-722-7005**

We are offering training in **ROBOTICS & AUTOMATION** that can provide an opportunity to learn new skills so **YOU** can build **YOUR** future.

- ✓ Better Pay
- ✓ Higher Skilled Jobs
- ✓ Stronger Resume

Local companies are seeking trained employees to work in clean, automated facilities making medical devices, other in-demand products in a high tech environment.

INFORMATION SESSIONS:  
**WEDNESDAYS | JANUARY 16<sup>th</sup> & JANUARY 23 at 4 P.M.**  
Greater Lawrence Tech School, 57 River Rd, Andover, MA  
**Call To Sign-up Today! 978-722-7005**

*Grant eligibility requirements: unemployed or underemployed worker, ages 17-29. Others may qualify. Must pass 8th grade Math & Reading tests, and a MA CORI/SORI. Minimum of high school diploma, GED or HISET.*



GREATER LAWRENCE TECHNICAL SCHOOL

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.

## Robotics and Automation Training

This program introduces the concepts and technology used in modern manufacturing environments. Students learn fundamental skills that will help them gain employment as a Manufacturing Technician or related position and prepare them for the specific training required by manufacturing companies running automated equipment. The program includes 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 and industrial robots.

## Robotics Training/Automation Control

### Overview

- Students learn how components work together to create automated processes.
- Students receive safety training on all systems they will be using in class.
- Students receive information and assistance regarding job seeking.

### Programmable Logic Controllers (PLC)

- Students learn the role of PLC's in automated systems
- 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...)

### Robotics

- Students are introduced to powering up, setting speed, error and fault recovery, as well as copying, editing and running programs that operate the in class robots.
- Students will learn about macros, program and file manipulation and integrating robots into an automated system.

## CERTIFICATIONS

Students who successfully complete the Robotics portion of the program by passing the online modules, hands-on labs and final exam, will receive the FANUC CERT "Handling Tool Operations and Programming" Cert Level I.