

# Manufacturing Pathway

## WHAT ARE YOUR PLANS AFTER HIGH SCHOOL?

Check out C-TEC's Postsecondary Programs to continue on your manufacturing pathway.



### STRUCTURAL AND PIPE WELDING/FABRICATION:

- 900 Hours/39 Weeks
  - Program Skills
    - Metal Fabrication
    - Welding
    - Thermal Cutting
    - AWS
    - Structural Welding
    - Pipe Fitting
  - Credentials
    - OSHA 10 Hour
    - AWS D.1.1 Structural Welding Code/Steel (GMAW, FCAW, SMAW Process)
    - AWS D1. 3 Structural Welding Code/Steel (GMAW Process)
    - AWS D1.6 Structural Welding Code/Stainless Steel
    - API 1104 American Petroleum Institute (SMAW Process)
    - ASME Section IX Boiler and Pressure Vessel Code (SMAW Process)
  - Entry Level Positions
    - Welder and Fabricator
- For information Contact Roger Elliot: 740.364.2299 or [relliot@tec-tec.edu](mailto:relliot@tec-tec.edu)

### ADVANCED CNC MACHINING AND ROBOTIC INTEGRATION:

- 900 Hours/47 Weeks
  - Program Skills
    - Blueprint reading
    - Basic Manual Machining
    - Advanced CNC Machining
    - CNC Operations
    - CAD/CAM
    - Robotics and Automation
  - Program Credentials
    - NIMS Level One Machining Skills
    - Fanuc Robotics
    - 10 Hour OSHA
  - Entry Level Positions
    - Machinist
    - CNC Operator/Programmer
    - Tool and Die Maker
    - Manufacturing Technician
    - Robotics Technician
    - Automation Technician
- For information Contact Kyle Fulton at 740-403-0837 or email [kfulton@tec-tec.edu](mailto:kfulton@tec-tec.edu)

### MULTICRAFT MAINTENANCE INDUSTRIAL TRACK:

- 900 Hours of Instruction/47 Weeks
  - Program Skills
    - Blueprint Reading for Industrial Facilities
    - Manual Machining for Maintenance
    - Hydraulics
    - Pneumatics & Industrial Mechanics
    - Welding and Fabrication
    - Electrical Control Systems
    - Programmable Logic Controllers (PLCs)
  - Program Credentials
    - 10 Hour OSHA and AWS
  - Entry Level Positions
    - Industrial Maintenance Technician
    - Commercial Maintenance Technician
- For more Information Contact Zack Snider: 740.364.2333 or email: [zsnider@tec-tec.edu](mailto:zsnider@tec-tec.edu)

### ROBOTICS AND AUTOMATION

- 600 Hours
  - Program Skills
    - Industrial Safety and Lean Manufacturing
    - Robotics Operations
    - Advanced Robotics
    - Electrical Control Systems
    - PLC Operations
    - Advanced PLC's
  - Program Certifications
    - 10 Hour OSHA
    - Fanuc Handling Tool & Operations
    - SACA Motor Controls 1
    - Allen Bradley Designer Level 1 & 2
  - Entry Level Positions
    - Industrial Electrician
    - Robotic Technician
    - Automation Technician
    - Multicraft maintenance technician
    - Network operator
    - Instrumentation specialist
    - Quality control inspector
- For information Contact Kyle Fulton at 740-403-0837 or email [kfulton@tec-tec.edu](mailto:kfulton@tec-tec.edu)

# EARN COLLEGE CREDIT WHILE ENROLLED IN A C-TEC POST SECONDARY EDUCATION PROGRAM

There are different avenues through which postsecondary students can earn college credit. Consider The options below to determine if your pathway is one that includes earning college credit while attending a postsecondary program.

## THE ONE-YEAR OPTION



Up to 30 college credits may be awarded to graduates of Ohio Technical Centers, like C-TEC's Adult Education Center, when they:

- Complete a 600 hour or more career technical program and
- Obtain an approved industry-recognized credential

### POSTSECONDARY PROGRAM

ADVANCED CNC MACHINING AND  
ROBOTIC INTEGRATION



### SEMESTER HOURS TOWARD AN ASSOCIATE OF TECHNICAL STUDIES

30 SEMESTER HOURS

STRUCTURAL AND PIPE WELDING/FABRICATION



30 SEMESTER HOURS

## CENTRAL OHIO TECHNICAL COLLEGE



### POSTSECONDARY PROGRAM

ADVANCED CNC MACHINING AND  
ROBOTIC INTEGRATION



### SEMESTER HOURS TOWARD AN ASSOCIATE OF TECHNICAL STUDIES

13 HOURS IN ENGINEERING TECHNOLOGIES

MULTICRAFT MAINTENANCE



2 HOURS IN ENGINEERING TECHNOLOGIES