

Related Technical Instruction (RTI) of this registered apprenticeship exceeds the Pennsylvania Department of Labor and United States Department of Labor requirements.

Related Technical Instruction

- Industrial Safety
- Job Skills
- Foundations of Manufacturing

Employer Engagement

At the employer's site, apprentices use Tooling-U online training modules, In addition, they will work to achieve proficiency in 80-plus on-the-job competencies. Employers are involved in three ways: daily interaction with apprentices to ensure fulfillment of program requirements, logging and reporting of progress monthly to NCC, and representation on a program steering committee.

TRAINING TAILORED TO YOUR BOTTOM LINE

New Century Careers is sensitive to the challenges facing local companies to balance innovation and productivity with the reality of fiscal restraints. Fees for the program are tailored to these needs. ROI is projected in terms of improved efficiency, less downtime when employees can maintain and repair equipment, and accelerated training for on-the-job proficiencies. The journeyworker credential in a minimum of two years provides an additional level of competency within your company.

NOW ENROLLING!

Companies in any sector interested in robotics should contact Eric Pferdekamper at pferdekamper@ncsquared.com or 412.745.1014 for more information. Or go to www.ncsquared.com/roboticstechnician to register online.

PROGRAM SPONSOR



PARTNERS



About New Century Careers

New Century Careers is a nonprofit manufacturer and technical skills development organization serving the Southwestern Pennsylvania region through inclusive access to technical training opportunities while helping employers find and develop technicians seeking purpose, passion and success in the workplace.

New Century Careers
305 East Carson Street
Pittsburgh, PA 15219
412.258.6620
Fax: 412.258.6625
info@ncsquared.com
www.ncsquared.com



New Century Careers Registered Robotics Technician Apprenticeship Program

*Approved by the Pennsylvania State
Apprenticeship Council*

*Formally recognized by
the Pennsylvania Department of Labor
and the United States Department of Labor*

Journeyworker in a minimum of two years

As more and more companies invest and deploy robotics and automation solutions to meet their customers' demands, the need for highly skilled technicians to operate and maintain these systems is critical to the long-term success of both existing companies and start-ups.

That's why New Century Careers is offering a two-year registered apprenticeship program to focus on automation and robotics for the job role of robotics technician.

THE APPRENTICESHIP ADVANTAGE

The New Century Careers Robotics Technician Registered Apprenticeship program enables the employer to incorporate automation and robotics to gain operational and competitive advantages:

- Improve safety and minimize on-the-job injuries and production down time
- Save time and money by operating, maintaining and repairing technical equipment in-house
- Proven, affordable education model to recruit future employees
- Can be used as part of an EEOC plan and DEI initiative



A ROBUST CURRICULUM

The Robotics Technician Apprenticeship combines theory, classroom, online courses and Related Technical Instruction (RTI) to upskill an employee to become a Journeyworker Robotics Technician, including:

- Related theory and instruction courses through Community College of Allegheny County (CCAC) with potential to earn 12 college credits
- Tooling-U online training modules
- Instruction on employer's site in 80-plus on-the-job competencies

COURSES

Industrial Safety

CCAC

- First Aid/CPR

Tooling- U

- Lock Out/Tag Out Procedures
- Intro to OSHA
- Ergonomics
- Personal Protective Equipment

- Machine Guarding
- Safety for Metal Cutting
- Essentials of Communications
- 5S Overview
- Quality and Customer Service

Foundations in Manufacturing

CCAC

- Math Training
- Blue Print Reading
- Problem Solving

Technical Expertise

CCAC

- Computer Training
- PLC Training
- Electrical Training
- Hydraulics Training
- Mechanical Training

Created by Manufacturers for Manufacturers

With a grant awarded by Advanced Robotics for Manufacturing, a Manufacturing USA Institute, NCC partnered with Catalyst Connection, Community College of Allegheny County and Tooling-U/SME, an industry leader in online manufacturing training, on program development, with input from local manufacturers.

A survey of over 300 small- and medium-sized companies to assess their interest and ability to incorporate this new technology into their manufacturing processes found that in addition to purchasing the equipment or systems, highly-skilled technicians would be a key component.