

Industry Credentials, Concentration Sequences, and Career Clusters

Industrial Robotics Technology (8558)

Industry Credentials:

These apply only to 36-week courses

- Associate Certified Electronics Technician (CETa) Examination
- College and Work Readiness Assessment (CWRA+)
- Customer Service Examination
- Customer Service Specialist (CSS) Examination
- FANUC Certified Robot Operator with ROBOGUIDE Assessment
- Manufacturing Specialist Certification Examination
- Manufacturing Technician Level 1 (MT1) Certification Examination
- Mechatronics Level 1 Assessment
- Mechatronics Systems Certification Examinations
- National Career Readiness Certificate Assessment
- Pre-Manufacturing Technician 1 (Pre-MT1) Examination
- Professional Communications Certification Examination
- Smart Automation Associate Certifications
- Smart Automation Associate Examinations: Certified Industry 4.0 Associate–Advanced Operations
- Smart Automation Associate Examinations: Certified Industry 4.0 Associate–Basic Operations
- Smart Automation Associate Examinations: Certified Industry 4.0 Associate–Robot System Operations
- Workplace Readiness Skills for the Commonwealth Examination

Concentration Sequences:

*A combination of this course and those below, equivalent to two 36-week courses, is a **concentration sequence**. A **program completer** is a student who has met the requirements for a CTE concentration sequence and all other requirements for high school graduation or an approved alternative education program. Students wishing to complete a specialization may take additional courses based on their career pathways.*

- Electronics/Industrial Robotics Technology

Career Clusters, Career Pathways, and Occupations:

- Manufacturing
 - Maintenance, Installation, and Repair
 - Millwright
 - Manufacturing Production Process Development
 - Electro-Mechanical Technician
 - Industrial Engineer
 - Industrial Engineering Technician
 - Manufacturing Systems Engineer
 - Millwright
 - Precision Inspector, Tester, or Grader
 - Production Manager
 - Programmer
 - Production
 - Assembler
 - Automated Manufacturing Technician
 - Welder
- Science, Technology, Engineering and Mathematics
 - Engineering and Technology
 - Aerospace Engineer
 - Aerospace Engineering Technician
 - Agricultural Engineer
 - Assembler
 - Biomedical Engineer
 - Commercial and Industrial Designer
 - Computer Hardware Engineer
 - Computer Programmer
 - Computer Software Engineer
 - Electrical Engineer
 - Electrical Engineering Technician
 - Electro-Mechanical Technician
 - Electronic Drafter
 - Electronics Engineering Technician
 - Engineer
 - Engineering Manager
 - Engineering Technician
 - Human Factors Engineer
 - Industrial Engineer
 - Industrial Engineering Technician

- Manufacturing Systems Engineer