

Industry Credentials, Concentration Sequences, and Career Clusters Technology Transfer (8404, 8405)

Industry Credentials:

These apply only to 36-week courses.

- College and Work Readiness Assessment (CWRA+)
- National Career Readiness Certificate Assessment
- 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.*

- Technology Assessment (8406/18 weeks)
- Technology Assessment (8407/36 weeks)
- Technology Foundations (8402/18 weeks)
- Technology Foundations (8403/36 weeks)

Career Clusters, Career Pathways, and Occupations:

- Manufacturing
 - Health, Safety, and Environmental Assurance
 - Occupational Health and Safety Specialist
 - Safety Engineer
 - Logistics and Inventory Control
 - Logistician
 - Manufacturing Production Process Development
 - Electro-Mechanical Technician
 - Industrial Engineer
 - Industrial Engineering Technician
 - Manufacturing Systems Engineer
 - Network Designer
 - Precision Inspector, Tester, or Grader
 - Production Manager
 - Programmer
 - SPC (Statistical Process Control) Coordinator
 - Production

- Assembler
- Automated Manufacturing Technician
- Extruding and Drawing Machine Operator
- Tool and Die Maker
- Quality Assurance
 - Precision Inspector, Tester, or Grader
 - Quality Control Technician
- Science, Technology, Engineering and Mathematics
 - Engineering and Technology
 - Aeronautical Drafter
 - Aerospace Engineer
 - Aerospace Engineering Technician
 - Architect
 - Civil Engineer
 - Civil Engineering Technician
 - Commercial and Industrial Designer
 - Computer Hardware Engineer
 - Electrical Engineer
 - Electrical Engineering Technician
 - Electro-Mechanical Technician
 - Electronics Engineering Technician
 - Engineering Manager
 - Industrial Engineer
 - Industrial Engineering Technician
 - Machine Setter, Operator
 - Manufacturing Systems Engineer
 - Materials Engineer
 - Mechanical Engineer
 - Mechanical Engineering Technician
 - Power Systems Engineer
 - Project Manager
 - Quality Engineer
 - Quality Technician
 - Statistician
 - Systems Analyst
 - Science and Mathematics
 - Ecologist
 - Materials Scientist
 - Oceanographer
 - Research Chemist
 - Technical Writer