

Industry Credentials, Concentration Sequences, and Career Clusters

Agricultural Power Systems (8018)

Industry Credentials:

These apply only to 36-week courses

- Agriculture Mechanics Assessment
- College and Work Readiness Assessment (CWRA+)
- Customer Service Specialist (CSS) Examination
- EETC Technician Certification Tests
- National Career Readiness Certificate Assessment
- Principles of Small Engine Technology Certification Examination
- Small Engine Technology 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.*

- Agricultural Business Fundamentals I
- Agricultural Fabrication and Emerging Technologies
- Agricultural Structural Systems
- Applied Agricultural Concepts (18 weeks)
- Applied Agricultural Concepts (36 weeks)
- Energy and Power
- Introduction to Power, Structural and Technical Systems
- Small Engine Repair
- Small Engine Repair (18 weeks)

Career Clusters, Career Pathways, and Occupations:

- Agriculture, Food and Natural Resources
 - Power, Structural, and Technical Systems

- Agricultural Engineer
 - Agricultural Equipment Operator
 - Agricultural Equipment Parts Manager
 - Agricultural Equipment Parts Salesperson
 - Machinist
 - Parts Manager
- Architecture and Construction
 - Design/Pre-Construction
 - Civil Engineer
 - Mechanical Drafter
 - Mechanical Engineer
 - Engineering and Technology
 - Engineer
 - Maintenance and Operations
 - Electrician
 - General Contractor
- Science, Technology, Engineering and Mathematics
 - Engineering and Technology
 - Agricultural Engineer
 - Electrical Engineer
 - Electrical Engineering Technician
 - Electro-Mechanical Technician
 - Engineering Technician
 - Industrial Engineer
 - Industrial Engineering Technician
 - Machine Setter, Operator
 - Manufacturing Systems Engineer
 - Marine Engineer
 - Mechanical Engineer
 - Mechanical Engineering Technician
 - Power Systems Engineer