

# Industry Credentials, Concentration Sequences, and Career Clusters

## Agricultural Power Systems, Advanced (8020)

### 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 Power Systems
- Agricultural Structural Systems
- Applied Agricultural Concepts (18 weeks)
- Applied Agricultural Concepts (36 weeks)
- 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
  - Agribusiness Systems
    - Agricultural Products Sales Representative
    - Farm Products Purchasing Agent and Buyer
    - Farm, Ranch Manager
    - Farmer/Rancher
    - Feed, Farm Supply Store Sales Manager
    - Sales Manager
  - Environmental Service Systems
    - Agricultural Products Sales Representative
    - Environmental Compliance Inspector
    - Environmental Sampling and Analysis Technician
    - Hazardous Materials Handler
    - Recycling Coordinator
    - Secondary School Teacher
  - Natural Resources Systems
    - Geological Technician
    - Logging Equipment Operator
  - Plant Systems
    - Machine Setter, Operator
  - Power, Structural, and Technical Systems
    - Agricultural Engineer
    - Agricultural Equipment Operator
    - Agricultural Equipment Parts Manager
    - Agricultural Equipment Parts Salesperson
    - Machinist
    - Parts Manager
    - Welder
- Science, Technology, Engineering and Mathematics
  - Engineering and Technology
    - Agricultural Engineer
    - Civil Engineer
    - Civil Engineering Technician
    - Commercial and Industrial Designer
    - Engineer
    - Industrial Engineer
    - Industrial Engineering Technician
    - Machine Setter, Operator

- Manufacturing Systems Engineer
- Mechanical Drafter
- Mechanical Engineer
- Mechanical Engineering Technician
- Technical Writer
- Science and Mathematics
  - Secondary School Teacher