

Industry Credentials, Concentration Sequences, and Career Clusters

Agricultural Production Technology (8010)

Industry Credentials:

These apply only to 36-week courses.

- Animal Systems Assessment
- Beef Quality Assurance Examination
- College and Work Readiness Assessment (CWRA+)
- Customer Service Specialist (CSS) Examination
- National Career Readiness Certificate Assessment
- Principles of Livestock Selection & Evaluation Certification Examination
- Production Agriculture 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 (8022/36 weeks)
- Agricultural Business Management III (8026/36 weeks)
- Agricultural Business Operations II (8024/36 weeks)
- Applied Agricultural Concepts (8073/36 weeks)
- Applied Agricultural Concepts (8072/18 weeks)
- Ecology and Environmental Management (8045/18 weeks)
- Equine Science (8015/18 weeks)
- Equine Science (8080/36 weeks)
- Introduction to Animal Systems (8008/36 weeks)
- Introduction to Natural Resources and Ecology Systems (8040/36 weeks)
- Introduction to Plant Systems (8007/36 weeks)
- Introduction to Power, Structural, and Technical Systems (8016/36 weeks)
- Livestock Production Management (8012/36 weeks)
- Operating the Farm Business (8014/36 weeks)

Career Clusters, Career Pathways, and Occupations:

- Agriculture, Food and Natural Resources
 - Agribusiness Systems
 - Farm, Ranch Manager
 - Sales Manager
 - Animal Systems
 - Agricultural Products Sales Representative
 - Animal Breeder, Husbandry
 - Animal Geneticist
 - Animal Nutritionist
 - Animal Scientist
 - Aquacultural Manager
 - Poultry Manager
 - Veterinarian
 - Veterinary Technician
 - Environmental Service Systems
 - Toxicologist
 - Turf Farmer
 - Food Products and Processing Systems
 - Biochemist
 - Food Scientist
 - Natural Resources Systems
 - Fisheries Technician
 - Plant Systems
 - Certified Crop Advisor
 - Soil and Plant Scientist
 - Power, Structural, and Technical Systems
 - Agricultural Engineer
 - Agricultural Equipment Operator
 - Agricultural Equipment Parts Manager
 - Agricultural Equipment Parts Salesperson
 - Machinist
 - Parts Manager
 - Welder