

Industry Credentials, Concentration Sequences, and Career Clusters

Fisheries and Wildlife Management (8041)

Industry Credentials:

These apply only to 36-week courses

- Certified Commercial Pesticide Applicator Examination
- Certified Private Applicator Examination
- Certified Registered Technician Pesticide Applicator Examination
- College and Work Readiness Assessment (CWRA+)
- Customer Service Specialist (CSS) Examination
- Ecology Conservation & Management Certification Examination
- National Career Readiness Certificate Assessment
- Natural Resource Systems 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
- Biological Applications in Agriculture
- Biotechnology Applications in Agriculture
- Biotechnology Foundations in Agricultural and Environmental Science
- Community Forestry and Tree Management
- Ecology and Environmental Management (18 Weeks)
- Ecology and Environmental Management (36 Weeks)
- Forestry Management
- Forestry Management, Advanced
- Introduction to Animal Systems

- Introduction to Natural Resources and Ecology Systems
- Outdoor Recreation, Parks, and Tourism Systems Management
- Sustainability and Renewable Technologies

Career Clusters, Career Pathways, and Occupations:

- Agriculture, Food and Natural Resources
 - Animal Systems
 - Animal Geneticist
 - Animal Nutritionist
 - Animal Scientist
 - Aquacultural Manager
 - Veterinarian
 - Veterinary Technician
 - Environmental Service Systems
 - Environmental Sampling and Analysis Technician
 - Water Conservationist
 - Natural Resources Systems
 - Ecologist
 - Fish and Game Officer
 - Fisheries Technician
 - Forest Manager, Forester
 - Forest Technician
 - Park Manager
 - Park Technician
 - Range Technician
 - Wildlife Manager
 - Plant Systems
 - Botanist
 - Farm, Ranch Manager
 - Farmer/Rancher
 - Forest Geneticist
 - Secondary School Teacher
 - Soil and Plant Scientist
 - Tree Surgeon
 - Plant Breeder/Geneticist
 - Power, Structural, and Technical Systems
 - Agricultural Engineer