

Industry Credentials, Concentration Sequences, and Career Clusters

Landscaping I (8036)

Industry Credentials:

These apply only to 36-week courses

- Certified Commercial Pesticide Applicator Examination
- Certified Private Applicator Examination
- Certified Registered Technician Pesticide Applicator Examination
- Certified Turfgrass Professional Examination
- Chesapeake Bay Landscape Professional-Associate (CBLP-A) Examination
- College and Work Readiness Assessment (CWRA+)
- Customer Service Specialist (CSS) Examination
- FAA Remote Pilot Small Unmanned Aircraft Systems Certification Examination
- Horticulture/Landscaping Assessment
- Landscape Management Certification Examination
- National Career Readiness Certificate Assessment
- Urban Forestry Certification Test
- 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
- Applied Agricultural Concepts (18 Weeks)
- Applied Agricultural Concepts (36 Weeks)
- Biological Applications in Agriculture
- Community Forestry and Tree Management
- Ecology and Environmental Management (18 Weeks)
- Ecology and Environmental Management (36 Weeks)
- Floriculture

- Horticulture Sciences
- Introduction to Plant Systems
- Landscaping II
- Operating the Farm Business
- Outdoor Recreation, Parks, and Tourism Systems Management
- Small Engine Repair (18 Weeks)
- Small Engine Repair (36 Weeks)
- Turfgrass Management

Career Clusters, Career Pathways, and Occupations:

- Agriculture, Food and Natural Resources
 - Agribusiness Systems
 - Agricultural Products Sales Representative
 - Farm Products Purchasing Agent and Buyer
 - Sales Manager
 - Agricultural Commodity Broker
 - Agricultural Economist
 - Agricultural Loan Officer
 - Farm, Ranch Manager
 - Farmer/Rancher
 - Feed, Farm Supply Store Sales Manager
 - Environmental Service Systems
 - Environmental Compliance Inspector
 - Environmental Sampling and Analysis Technician
 - Toxicologist
 - Pest Control Workers
 - Plant Systems
 - Agricultural Products Sales Representative
 - Botanist
 - Certified Crop Advisor
 - Crop Grower
 - Custom Harvester
 - Nursery and Greenhouse Manager
 - Ornamental Horticulturist
 - Secondary School Teacher
 - Soil and Plant Scientist
 - Tree Surgeon

- Turf Farmer
 - Farm, Ranch Manager
 - Farmer/Rancher
 - Floral Designer
 - Floral Shop Manager
 - Forest Geneticist
 - Biological Technician
 - Farmworkers and Laborers, Crop, Nursery and Greenhouse
 - Pesticide Handlers, Sprayers, and Applicators, Vegetation
 - Tree Trimmers and Pruners
 - Plant Breeder/Geneticist
- Food Products and Processing Systems
 - Biochemist
 - Food Scientist
- Natural Resources Systems
 - Forest Manager, Forester
 - Forest Technician
 - Microbiologist
- Science, Technology, Engineering and Mathematics
 - Science and Mathematics
 - Biologist
 - Botanist
 - Chemist
 - Microbiologist
 - Plant Biologist
 - Plant Breeder/Geneticist
 - Plant Pathologist
 - Research Chemist
 - Secondary School Teacher
 - Technical Writer
 - Toxicologist