**Horticulture – Landscaping & Outdoor Systems (Level 1)** is designed for students who enjoy the outdoors and like to work with their hands. Students are instructed in basic landscape design, landscape construction and maintenance, retail and marketing, project pricing and estimating, plant identification and usage, arboriculture, and parks and recreation management.

**Program Highlights:**
- Design, install and maintain creative natural living and recreational landscaping
- Work with parks and recreational professionals to manage public and private properties
- Provide excellent customer service while interpreting job requirements and completing client projects

**The Program Focuses on the Following State Approved Courses:**
- Urban Forestry
- Parks & Recreational Management
- Business Management for Agricultural and Environmental Systems
- Landscape Systems Management

**COST-FREE COLLEGE CREDIT OPPORTUNITIES**

Career Technical Assurance Guides (CTAGs)
- CTHOR003: Equipment Operation and Maintenance (3 Credit Hours)
- CTAGP003: Agribusiness Management (3 Credit Hours)

Articulated Credits through Clark State Community College - Up to 12 Credit Hours

Articulated Credits through Northwest State Community College - 3 Credit Hours

Articulated Credits through Owens Community College - Up to 6 Credit Hours

Articulated Credits through the University of Northwestern Ohio - 3 Credit Hours

**INDUSTRY-RECOGNIZED CREDENTIALS (POINT VALUES)**

- Ohio Certified Nursery Technician – Grower (12 Points)
- Ohio Certified Nursery Technician – Landscape (12 Points)
- Ohio Certified Nursery Technician – Master Technician (12 Points)
- Ohio Certified Nursery Technician – Garden Center (12 Points)
- BASF Plant Science (6 Points)
- Ducks Unlimited Ecology Conservation & Management Certification (6 Points)
- National Center for Construction Education and Research (NCCER) Core (6 Points)
- NCCER Level 1 - Heavy Equipment Operations (6 Points)
- CSAW (Chainsaw Safety Awareness) Levels 1 & 2 (3 Points)
- 3M: Head, Eye and Face Protection (1 Point)
- 3M: Hearing and Noise Protection (1 Point)
- 3M: Respiratory Protection (1 Point)
- Forklift Operation (1 Point)
- Manlift Operation (1 Point)
- CPR First Aid (1 Point)

**OHIO MEANS JOBS OCCUPATIONS LISTED ACCORDING TO TYPICAL SALARY**

<table>
<thead>
<tr>
<th>OCCUPATION TITLE</th>
<th>TYPICAL SALARY-BOTTOM 10%</th>
<th>TYPICAL SALARY-MEDIAN</th>
<th>TYPICAL EDUCATION</th>
<th>ANNUAL JOB OPENINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Farmworkers &amp; Laborers, Crop, Nursery &amp; Greenhouse</td>
<td>$19,230</td>
<td>$28,830</td>
<td>No Formal Educational Credential</td>
<td>1,550</td>
</tr>
<tr>
<td>Recreation Workers</td>
<td>$19,500</td>
<td>$24,630</td>
<td>HS Diploma or Equivalent</td>
<td>2,670</td>
</tr>
<tr>
<td>Landscaping &amp; Groundskeeping Workers*</td>
<td>$20,490</td>
<td>$30,320</td>
<td>No Formal Educational Credential</td>
<td>6,380</td>
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<tr>
<td>Pesticide Handlers, Sprayers, &amp; Applicators, Vegetation</td>
<td>$28,290</td>
<td>$36,690</td>
<td>HS Diploma or Equivalent</td>
<td>120</td>
</tr>
<tr>
<td>Tree Trimmers &amp; Pruners</td>
<td>$34,150</td>
<td>$44,600</td>
<td>HS Diploma or Equivalent</td>
<td>160</td>
</tr>
</tbody>
</table>

**JOB OUTLOOK COMPILED BY OHIO MEANS JOBS AS OF SEPTEMBER 2021; VISIT OHIOMEANSJOBS.COM FOR MORE INFORMATION.**

*Denotes an In-Demand Occupation in the State of Ohio

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Career Services: Marshall Wolf 419.661.6372 mwolf@pentacc.org
CAREER TREE

TECHNICAL CAREERS
- Sports Turf Installation Technician
- Irrigation Installation and Maintenance Tech
- Landscape Designer
- Arborist
- Nursery Manager/Plant Propagator
- Plant Production Manager
- Equipment Operator
- Landscape Equipment Mechanic
- Horticultural Product Sales
- Garden Center Manager
- Golf Course Assistant Superintendent
- Park Ranger/Naturalist

ACADEMICS

PROFESSIONAL SKILLS

EXPERIENCES

PASSION

PROFESSIONAL CAREERS
- Horticultural Therapist
- Cooperative Extension Agent
- City Parks Design and Civil Planning
- Golf Course Design and Architecture
- College Professor/Landscape Teacher
- Landscape Architect
- Botanical Curator
- Golf Course Superintendent
- Public Works Manager
- Botanist
- Soil Scientist
- Business Owner

ENTRY-LEVEL CAREERS
- Golf Course Maintenance Crew
- Park and Recreation Maintenance Crew
- Sports Field Preparation Crew
- Turf Installation Technician
- Landscape Maintenance Technician
- Landscape Installation Crew
- Fisheries & Wildlife Assistant
- Chemical Applicator
- Supply Delivery Driver
- Field Production Specialist
- Retail Sales Associate
- Plant Production Specialist

LANDSCAPE & TURFGRASS MANAGEMENT