HORTICULTURE - B.A.H.

College of Applied and Technical Studies
www.kent.edu/cats

Examples of Possible Careers*
Farmers, ranchers, and other agricultural managers
- 6.5% decline
- 952,300 number of jobs
- $68,090 potential earnings

First-line supervisors of landscaping, lawn service, and groundskeeping workers
- 11.4% much faster than the average
- 170,700 number of jobs
- $51,010 potential earnings

Landscaping and groundskeeping workers
- 10.1% much faster than the average
- 1,188,000 number of jobs
- $31,730 potential earnings

Contact Information
- Program Director: Sheren Farag | sfaragmo@kent.edu | 330-337-4270
- Speak with an Advisor

Fully Offered
- Delivery: In person
- Location: Salem Campus

*Note
Source of occupation titles and labor data is from the U.S. Bureau of Labor Statistics’ Occupational Outlook Handbook. Data comprises projected percent change in employment over the next 10 years; nation-wide employment numbers; and the yearly median wage at which half of the workers in the occupation earned more than that amount and half earned less.

Description
The Bachelor of Applied Horticulture degree provides students with the academic background and learning environment to further their education beyond an associate degree. The program aids students in the development of managerial expertise in areas of landscape design, turfgrass management and urban forestry, as well as landscape design, golf courses, sports turf management, arboriculture, environmental sustainability, plant propagation and greenhouse and nursery operations.

Admission Requirements
The university affirmatively strives to provide educational opportunities and access to students with varied backgrounds, those with special talents and adult students who graduated from high school three or more years ago.

First-Year Students on the Kent Campus: First-year admission policy on the Kent Campus is selective. Admission decisions are based upon cumulative grade point average, strength of high school college preparatory curriculum and grade trends. Students not admissible to the Kent Campus may be administratively referred to one of the seven regional campuses to begin their college coursework. For more information, visit the admissions website for first-year students.

First-Year Students on the Regional Campuses: First-year admission to Kent State’s campuses at Ashland, East Liverpool, Geauga, Salem, Stark, Trumbull and Tuscarawas, as well as the Twinsburg Academic Center, is open to anyone with a high school diploma or its equivalent. Check with a regional campus admissions office to determine application requirements, as they may differ among campuses.

International Students: All international students must provide proof of English language proficiency (unless they meet specific exceptions) by earning a minimum 525 TOEFL score (71 on the Internet-based version), minimum 75 MELAB score, minimum 6.0 IELTS score, minimum 48 PTE score or minimum 100 DET score; or by completing the ESL level 112 Intensive Program. For more information, visit the admissions website for international students.

Transfer Students: For more information, visit the admissions website for transfer students.

Former Students: Former Kent State students or graduates who have not attended another college or university since Kent State may complete the reenrollment or reinstatement form on the University Registrar’s website.

Program Learning Outcomes
Graduates of this program will be able to:

1. Demonstrate knowledge of plant characteristics, use, identification, and taxonomy.
2. Develop knowledge of the proper safety procedures and their application in the workplace.
3. Develop proper business protocol and specific horticulture concentration applications in the workplace.
4. Interpret soil test results, analyze and determine the best corrective course of action.
5. Demonstrate knowledge of pest identification, taxonomy, integrated pest management, and control strategies.

University Requirements
All students in a bachelor’s degree program at Kent State University must complete the following university requirements for graduation.

NOTE: University requirements may be fulfilled in this program by specific course requirements. Please see Program Requirements for details.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Destination Kent State: First Year Experience</td>
<td>1</td>
</tr>
<tr>
<td>Course is not required for students with 25 transfer credits, excluding College Credit Plus, or age 21+ at time of admission.</td>
<td></td>
</tr>
<tr>
<td>Diversity Domestic/Global (DIV/DIVG)</td>
<td>2 courses</td>
</tr>
<tr>
<td>Students must successfully complete one domestic and one global course, of which one must be from the Kent Core.</td>
<td></td>
</tr>
<tr>
<td>Experiential Learning Requirement (ELR)</td>
<td>varies</td>
</tr>
<tr>
<td>Students must successfully complete one course or approved experience.</td>
<td></td>
</tr>
<tr>
<td>Kent Core (see table below)</td>
<td>36-37</td>
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</tbody>
</table>

*Note: University requirements may be fulfilled in this program by specific course requirements. Please see Program Requirements for details.
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**Horticulture - B.A.H.**

**Writing-Intensive Course (WIC)**
1 course

- Students must earn a minimum C grade in the course.

**Upper-Division Requirement**
39

- Students must successfully complete 39 upper-division (numbered 30000 to 49999) credit hours to graduate.

**Total Credit Hour Requirement**
120

### Kent Core Requirements

- **Kent Core Composition (KCMP)**: 6
- **Kent Core Mathematics and Critical Reasoning (KMCR)**: 3
- **Kent Core Humanities and Fine Arts (KHUM/KFA)**: min. one course each

**Departments**

**Kent Core Social Sciences (KSS)**: must be from two disciplines

**Kent Core Basic Sciences (KBS/KLAB)**: must include one laboratory

**Kent Core Additional (KADL)**

**Total Credit Hours:** 36-37

### Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Kent Core Requirements</strong></td>
<td></td>
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</tr>
<tr>
<td>BSCI 16001</td>
<td>HORTICULTURAL BOTANY</td>
<td>3</td>
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<tr>
<td>BSCI 26002</td>
<td>ECOLOGICAL PRINCIPLES OF PEST MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>BSCI 26003</td>
<td>PLANT IDENTIFICATION AND SELECTION I</td>
<td>3</td>
</tr>
<tr>
<td>BSCI 26004</td>
<td>PLANT IDENTIFICATION AND SELECTION II</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 16001</td>
<td>SOIL AND HORTICULTURAL MANAGEMENT</td>
<td></td>
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<tr>
<td>HORT 16001</td>
<td>INTRODUCTION TO HORTICULTURE</td>
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<tr>
<td>HORT 26001</td>
<td>OCCUPATIONAL REGULATIONS AND SAFETY</td>
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<tr>
<td>HORT 26016</td>
<td>IRRIGATION DESIGN AND MAINTENANCE</td>
<td></td>
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<tr>
<td>HORT 26018</td>
<td>LANDSCAPE CONSTRUCTION</td>
<td></td>
</tr>
<tr>
<td>HORT 36014</td>
<td>PLANT PROPAGATION AND GREENHOUSE PRODUCTION</td>
<td></td>
</tr>
<tr>
<td>HORT 36018</td>
<td>LANDSCAPE CONSTRUCTION II</td>
<td></td>
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<tr>
<td>HORT 36025</td>
<td>PROFESSIONAL PRACTICE IN HORTICULTURE (WIC)</td>
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<tr>
<td>HORT 36046</td>
<td>LANDSCAPE DESIGN II</td>
<td></td>
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<tr>
<td>HORT 36092</td>
<td>INTERNSHIP IN HORTICULTURE (ELR)</td>
<td></td>
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<tr>
<td>HORT 46014</td>
<td>GARDEN CENTER AND NURSERY PRODUCTION MANAGEMENT</td>
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**Cooperative Work Experience, choose from the following:**

- HORT 26011: COOPERATIVE WORK EXPERIENCE IN TREE CARE
- HORT 26021: COOPERATIVE WORK EXPERIENCE IN LANDSCAPE MANAGEMENT
- HORT 26031: COOPERATIVE WORK EXPERIENCE IN TURF GRASS MANAGEMENT

**Technical Electives, choose from the following:**

- HORT 26010: ARBORICULTURE
- & HORT 26012: and URBAN FORESTRY
- HORT 26020: LANDSCAPE MANAGEMENT
- & HORT 26046: and LANDSCAPE DESIGN I
- HORT 26030: TURF GRASS MANAGEMENT
- & HORT 26032: and GOLF COURSE MANAGEMENT

**Major Electives, choose from the following:**

- GEOG 31062: FUNDAMENTALS OF METEOROLOGY

### Graduation Requirements

**Minimum Major GPA**: 2.000

**Minimum Overall GPA**: 2.000

### Roadmap

This roadmap is a recommended semester-by-semester plan of study for this major. However, courses designated as critical (!) must be completed in the semester listed to ensure a timely graduation.
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Kent Core Requirement

Credit Hours

Semester Two

- BMRT 11000 INTRODUCTION TO BUSINESS
- BSCI 26003 PLANT IDENTIFICATION AND SELECTION I
- HORT 26018 LANDSCAPE CONSTRUCTION
- Technical Elective
- Kent Core Requirement

Credit Hours

First Summer Term

Cooperative Work Experience

Credit Hours

Semester Three

- BSCI 26004 PLANT IDENTIFICATION AND SELECTION II
- COMM 15000 INTRODUCTION TO HUMAN COMMUNICATION (KADL)
- GEOG 16001 SOIL AND HORTICULTURAL MANAGEMENT
- HORT 26001 OCCUPATIONAL REGULATIONS AND SAFETY
- HORT 26016 IRRIGATION DESIGN AND MAINTENANCE

Credit Hours

Second Summer Term

- HORT 36018 LANDSCAPE CONSTRUCTION II

Credit Hours

Semester Four

- BSCI 26002 ECOLOGICAL PRINCIPLES OF PEST MANAGEMENT
- Major Elective
- ESCI 21062 ENVIRONMENTAL EARTH SCIENCE (KBS)
- Technical Elective
- Kent Core Requirement

Credit Hours

Third Summer Term

- HORT 36092 INTERNSHIP IN HORTICULTURE (ELR)

Credit Hours

Semester Five

- ARTH 22007 ART HISTORY: RENAISSANCE TO MODERN ART (KFA)
- GEOG 17064 GEOGRAPHY OF THE UNITED STATES AND CANADA (DIVD) (KSS)
- ESCI 41073 GEOLOGY OF OHIO
- HORT 36025 PROFESSIONAL PRACTICE IN HORTICULTURE (WIC)
- HORT 36046 LANDSCAPE DESIGN II

Credit Hours

Semester Six

- PHIL 21001 INTRODUCTION TO ETHICS (DIVG) (KHUM)
- Kent Core Requirement
- Kent Core Requirement
- Kent Core Requirement
- General Electives

Credit Hours

Third Summer Term

- GEOG 37010 GEOGRAPHY OF OHIO
- HORT 36014 PLANT PROPAGATION AND GREENHOUSE PRODUCTION
- Major Elective

Credit Hours

Fourth Summer Term

- HORT 36018 LANDSCAPE CONSTRUCTION II

Credit Hours

Semester Seven

- ESCI 41073 GEOLOGY OF OHIO
- HORT 36014 PLANT PROPAGATION AND GREENHOUSE PRODUCTION
- Major Elective

Credit Hours

Minimum Total Credit Hours: 120

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