HORTICULTURE - B.A.H.

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

About This Program
Cultivate your green thumb with Kent State’s horticulture program. Our Bachelor of Applied Horticulture degree provides hands-on training in plant cultivation, landscape design, and sustainable practices. With experienced faculty, cutting-edge facilities, and real-world experience, you’ll gain the skills needed to succeed in the horticulture industry. Enroll now and bring your love of plants to life. Read more...

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

Program Delivery
- Delivery:
  - In person
- Location:
  - Salem Campus

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

First-line supervisors of construction trades and extraction workers
- 4.8% about as fast as the average
- 685,000 number of jobs
- $67,840 potential earnings

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

* Source of occupation titles and labor data comes 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.

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 Ashtabula, 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. For more information on admissions, contact the Regional Campuses admissions offices.

International Students: All international students must provide proof of English language proficiency unless they meet specific exceptions. For more information, visit the admissions website for international students.

Transfer Students: Students who have attended any other educational institution after graduating from high school must apply as undergraduate 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.

Admission policies for undergraduate students may be found in the University Catalog.

Some programs may require that students meet certain requirements before progressing through the program. For programs with progression requirements, the information is shown on the Coursework tab.

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSCI 16001</td>
<td>HORTICULTURAL BOTANY</td>
<td>3</td>
</tr>
<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>3</td>
</tr>
<tr>
<td>HORT 16001</td>
<td>INTRODUCTION TO HORTICULTURE</td>
<td>1</td>
</tr>
<tr>
<td>HORT 26001</td>
<td>OCCUPATIONAL REGULATIONS AND SAFETY</td>
<td>2</td>
</tr>
<tr>
<td>HORT 26016</td>
<td>IRRIGATION DESIGN AND MAINTENANCE</td>
<td>3</td>
</tr>
<tr>
<td>HORT 26018</td>
<td>LANDSCAPE CONSTRUCTION</td>
<td>3</td>
</tr>
<tr>
<td>HORT 36014</td>
<td>PLANT PROPAGATION AND GREENHOUSE PRODUCTION</td>
<td>3</td>
</tr>
<tr>
<td>HORT 36018</td>
<td>LANDSCAPE CONSTRUCTION II</td>
<td>3</td>
</tr>
<tr>
<td>HORT 36025</td>
<td>PROFESSIONAL PRACTICE IN HORTICULTURE (WIC)</td>
<td>3</td>
</tr>
<tr>
<td>HORT 36046</td>
<td>LANDSCAPE DESIGN II</td>
<td>3</td>
</tr>
<tr>
<td>HORT 36092</td>
<td>INTERNSHIP IN HORTICULTURE (ELR)</td>
<td>4</td>
</tr>
<tr>
<td>HORT 46014</td>
<td>GARDEN CENTER AND NURSERY PRODUCTION MANAGEMENT</td>
<td>3</td>
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</tbody>
</table>

Cooperative Work Experience, choose from the following:

1. HORT 36025
2. HORT 36046
**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.

<table>
<thead>
<tr>
<th>Semester One</th>
<th>Credits</th>
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<tbody>
<tr>
<td>! BSCI 16001</td>
<td>3</td>
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<tr>
<td>HORT 26010</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 10030</td>
<td>3</td>
</tr>
<tr>
<td>! HORT 16001</td>
<td>1</td>
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<tr>
<td>UC 10001</td>
<td>1</td>
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</tbody>
</table>

**Credit Hours**: 12

**First Summer Term**

Cooperative Work Experience

**Credit Hours**: 3

**Semester Two**

BMRT 11000 INTRODUCTION TO BUSINESS

BSCI 26003 PLANT IDENTIFICATION AND SELECTION I

HORT 26018 LANDSCAPE CONSTRUCTION

**Credit Hours**: 3

**Semester Three**

! BSCI 26004 PLANT IDENTIFICATION AND SELECTION II

COMM 15000 INTRODUCTION TO HUMAN COMMUNICATION (KADL)

! GEGO 17064 GEOGRAPHY OF THE UNITED STATES AND CANADA (DIVD) (KSS)

HORT 26016 IRRIGATION DESIGN AND MAINTENANCE

**Credit Hours**: 3

**Semester Four**

! BSCI 26002 ECOLOGICAL PRINCIPLES OF PEST MANAGEMENT

3

! Major Elective

ESCI 21062 ENVIRONMENTAL EARTH SCIENCE (KBS)

! Technical Elective

Kent Core Requirement

**Credit Hours**: 3

**Second Summer Term**

HORT 36018 LANDSCAPE CONSTRUCTION II

Cooperative Work Experience

**Credit Hours**: 3

**Semester Five**

ARTH 22007 ART HISTORY: RENAISSANCE TO MODERN ART (KFA)

GEOG 17064 GEOGRAPHY OF THE UNITED STATES AND CANADA (DIVD) (KSS)

HORT 26018 PROFESSIONAL PRACTICE IN HORTICULTURE (WIC)

HORT 26046 LANDSCAPE DESIGN II

**Credit Hours**: 3

**Semester Six**

PHIL 21001 INTRODUCTION TO ETHICS (DIVG) (KHUM)

Kent Core Requirement

**Credit Hours**: 3

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1 Minimum C grade is required to fulfill the writing-intensive requirement.

2 Courses in one foreign language or American Sign Language in proficiency required. This requirement may be fulfilled by one of the following two conditions: (1) passing the first two semesters of any foreign language or American Sign Language, or (2) passing a foreign language course at the Elementary II level or above.

3 Students are recommended to complete another internship (e.g., HORT 46092).

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**Graduation Requirements**

<table>
<thead>
<tr>
<th>Minimum Major GPA</th>
<th>Minimum Overall GPA</th>
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<tr>
<td>2.000</td>
<td>2.000</td>
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</tbody>
</table>

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**Kent State University Catalog 2023-2024**

**Horticulture - B.A.H.**
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>Hours</th>
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</thead>
<tbody>
<tr>
<td>Flashes 101 (UC 10001)</td>
<td>1</td>
</tr>
<tr>
<td>Diversity Domestic/Global (DIVD/DIVG)</td>
<td>2</td>
</tr>
<tr>
<td>Experiential Learning Requirement (ELR)</td>
<td>varies</td>
</tr>
<tr>
<td>Kent Core (see table below)</td>
<td>36-37</td>
</tr>
<tr>
<td>Writing-Intensive Course (WIC)</td>
<td>1</td>
</tr>
<tr>
<td>Upper-Division Requirement</td>
<td>39</td>
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<tr>
<td>Total Credit Hour Requirement</td>
<td>120</td>
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**Kent Core Requirements**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kent Core Composition (KCMP)</td>
<td>6</td>
</tr>
<tr>
<td>Kent Core Mathematics and Critical Reasoning (KMCR)</td>
<td>3</td>
</tr>
<tr>
<td>Kent Core Humanities and Fine Arts (KHUM/KFA) (min one course each)</td>
<td>9</td>
</tr>
<tr>
<td>Kent Core Social Sciences (KSS) (must be from two disciplines)</td>
<td>6</td>
</tr>
<tr>
<td>Kent Core Basic Sciences (KBS/KLAB) (must include one laboratory)</td>
<td>6-7</td>
</tr>
</tbody>
</table>

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 work place.
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.

Full 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.