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 Coordinator: John Majernik | jmajerni@kent.edu
• Speak with an Advisor
• Chat with an Admissions Counselor

Fully Offered
• 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.

Freshman Students on the Kent Campus: The freshman admission policy on the Kent Campus is selective. Admission decisions are based upon the following: cumulative grade point average, ACT and/or SAT scores, strength of high school college preparatory curriculum and grade trends. The Admissions Office at the Kent Campus may defer the admission of students who do not meet admissions criteria but who demonstrate areas of promise for successful college study. Deferred applicants may begin their college coursework at one of seven regional campuses of Kent State University. For more information on admissions, including additional requirements for some academic programs, visit the admissions website for first-year students.

Freshman Students on the Regional Campuses: Kent State campuses at Ashtabula, East Liverpool, Geauga, Salem, Stark, Trumbull and Tuscarawas, as well as the Twinsburg Academic Center, have open enrollment admission for students who hold a high school diploma, GED or equivalent.

English Language Proficiency Requirements for 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 on international admission, visit the Office of Global Education's admission website.

Transfer, Transitioning and Former Students: For more information about admission criteria for transfer, transitioning and former students, please visit the admissions 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 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.

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>Destination Kent State: First Year Experience</th>
<th>1</th>
</tr>
</thead>
<tbody>
<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>
</tr>
</tbody>
</table>
Writing-Intensive Course (WIC) 1 course
Students must earn a minimum C grade in the course.

Upper-Division Requirement 39 (or 42)
Students must successfully complete 39 upper-division (numbered 30000 to 49999) credit hours to graduate. Students in a B.A. and/or B.S. degree in the College of Arts and Sciences must complete 42 upper-division credit hours.

Total Credit Hour Requirement 120
Some bachelor’s degrees require students to complete more than 120 credit hours.

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) 9
Kent Core Social Sciences (KSS) (must be from two disciplines) 6
Kent Core Basic Sciences (KBS/KLAB) (must include one laboratory) 6-7
Kent Core Additional (KADL) 6
Total Credit Hours: 36-37

Program Requirements

Major 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>
</tr>
<tr>
<td>HORT 26011</td>
<td>COOPERATIVE WORK EXPERIENCE IN TREE CARE</td>
<td>6</td>
</tr>
<tr>
<td>HORT 26021</td>
<td>COOPERATIVE WORK EXPERIENCE IN LANDSCAPE MANAGEMENT</td>
<td></td>
</tr>
<tr>
<td>HORT 26031</td>
<td>COOPERATIVE WORK EXPERIENCE IN TURF GRASS MANAGEMENT</td>
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</table>

Cooperative Work Experience, choose from the following: 6

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>HORT 26001</td>
<td>ARBORICULTURE and URBAN FORESTRY</td>
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</tr>
<tr>
<td>HORT 26020</td>
<td>LANDSCAPE MANAGEMENT</td>
<td></td>
</tr>
<tr>
<td>HORT 26046</td>
<td>LANDSCAPE DESIGN I</td>
<td></td>
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</table>

Technical Electives, choose from the following: 6

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>HORT 26030</td>
<td>TURF GRASS MANAGEMENT and GOLF COURSE MANAGEMENT</td>
<td></td>
</tr>
<tr>
<td>HORT 26032</td>
<td>TURF GRASS MANAGEMENT and GOLF COURSE MANAGEMENT</td>
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<tr>
<td>GEOG 31062</td>
<td>FUNDAMENTALS OF METEOROLOGY</td>
<td></td>
</tr>
<tr>
<td>GEOG 31080</td>
<td>GEOGRAPHY OF WINE</td>
<td></td>
</tr>
<tr>
<td>HORT 36034</td>
<td>SPORTS TURF MANAGEMENT</td>
<td></td>
</tr>
<tr>
<td>HORT 41096</td>
<td>INDIVIDUAL INVESTIGATION IN HORTICULTURE</td>
<td></td>
</tr>
</tbody>
</table>

Additional Requirements (courses do not count in major GPA)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTH 22007</td>
<td>ART HISTORY: RENAISSANCE TO MODERN ART (KFA)</td>
<td>3</td>
</tr>
<tr>
<td>BMRT 11000</td>
<td>INTRODUCTION TO BUSINESS</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 10030</td>
<td>CHEMISTRY IN OUR WORLD (KBS)</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 10031</td>
<td>CHEMISTRY IN OUR WORLD LABORATORY (KBS) (KLAB)</td>
<td>1</td>
</tr>
<tr>
<td>COMM 15000</td>
<td>INTRODUCTION TO HUMAN COMMUNICATION (KADL)</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 17064</td>
<td>GEOGRAPHY OF THE UNITED STATES AND CANADA (DIVD) (KSS)</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 31070</td>
<td>POPULATION AND THE ENVIRONMENT</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 37010</td>
<td>GEOGRAPHY OF OHIO</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 21062</td>
<td>ENVIRONMENTAL EARTH SCIENCE (KBS)</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 41073</td>
<td>GEOLOGY OF OHIO</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 21001</td>
<td>INTRODUCTION TO ETHICS (DIVG) (KHUM)</td>
<td>3</td>
</tr>
<tr>
<td>UC 10097</td>
<td>DESTINATION KENT STATE: FIRST YEAR EXPERIENCE</td>
<td>1</td>
</tr>
</tbody>
</table>

Foreign Language 2 4-8
Kent Core Composition 6
Kent Core Mathematics and Critical Reasoning 3
Kent Core Humanities and Fine Arts 3
Kent Core Social Sciences (must be from two disciplines) 3
Kent Core Additional 3
General Electives (total credit hours depends on earning 120 credit hours, including 39-upper-division credit hours) 5

Minimum Total Credit Hours: 120

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).

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.

### Semester One
- **Credits**
  - BSCI 16001 HORTICULTURAL BOTANY 3
  - CHEM 10030 CHEMISTRY IN OUR WORLD (KBS) 3
  - CHEM 10031 CHEMISTRY IN OUR WORLD LABORATORY (KBS) (KLAB) 1
  - HORT 16001 INTRODUCTION TO HORTICULTURE 1
  - UC 10097 DESTINATION KENT STATE: FIRST YEAR EXPERIENCE 1
  - Kent Core Requirement 3
  - Total Credits 12

### Semester Two
- **Credits**
  - BMRT 11000 INTRODUCTION TO BUSINESS 3
  - BSCI 26003 PLANT IDENTIFICATION AND SELECTION I 3
  - HORT 26018 LANDSCAPE CONSTRUCTION 3
  - Technical Elective 3
  - Kent Core Requirement 3
  - Total Credits 12

### First Summer Term
- **Credits**
  - Cooperative Work Experience 3
  - Total Credits 3

### Semester Three
- **Credits**
  - BSCI 26004 PLANT IDENTIFICATION AND SELECTION II 3
  - COMM 15000 INTRODUCTION TO HUMAN COMMUNICATION (KADL) 3
  - GEOG 16001 SOIL AND HORTICULTURAL MANAGEMENT 3
  - HORT 26001 OCCUPATIONAL REGULATIONS AND SAFETY 2
  - HORT 26016 IRRIGATION DESIGN AND MAINTENANCE 3
  - Total Credits 14

### Semester Four
- **Credits**
  - BSCI 26002 ECOLOGICAL PRINCIPLES OF PEST MANAGEMENT 3
  - GEOL 21062 ENVIRONMENTAL EARTH SCIENCE (KBS) 3
  - Major Elective 3
  - Technical Elective 3
  - Kent Core Requirement 3
  - Total Credits 15

### Second Summer Term
- **Credits**
  - HORT 36018 LANDSCAPE CONSTRUCTION II 3
  - Cooperative Work Experience 3
  - Total Credits 6

### Semester Five
- **Credits**
  - ARTH 22007 ART HISTORY: RENAISSANCE TO MODERN ART (KFA) 3
  - GEOG 17064 GEOGRAPHY OF THE UNITED STATES AND CANADA (DIVD) (KSS) 3
  - GEOL 41073 GEOLOGY OF OHIO 3
  - HORT 36025 PROFESSIONAL PRACTICE IN HORTICULTURE (WIC) 3
  - HORT 36046 LANDSCAPE DESIGN II 3
  - Total Credits 15

### Semester Six
- **Credits**
  - PHIL 21001 INTRODUCTION TO ETHICS (DIVG) (KHUM) 3
  - Kent Core Requirement 3
  - Kent Core Requirement 3
  - Kent Core Requirement 3
  - General Electives 3
  - Total Credits 15

### Third Summer Term
- **Credits**
  - HORT 36092 INTERNSHIP IN HORTICULTURE (ELR) 4
  - Total Credits 4

### Semester Seven
- **Credits**
  - GEOG 37010 GEOGRAPHY OF OHIO 3
  - HORT 36014 PLANT PROPAGATION AND GREENHOUSE PRODUCTION 3
  - Major Elective 3
  - Foreign Language 4
  - General Elective 2
  - Total Credits 15

### Semester Eight
- **Credits**
  - GEOG 31070 POPULATION AND THE ENVIRONMENT 3
  - HORT 46014 GARDEN CENTER AND NURSERY PRODUCTION MANAGEMENT 3
  - Foreign Language 0-4
  - Total Credits 6

**Minimum Total Credit Hours:** 120