

HORTICULTURE TECHNOLOGY - A.A.S.

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

About This Program

The Associate of Applied Science degree in Horticulture Technology focuses on the practical skills needed to succeed in the horticulture industry. With flexible scheduling, state-of-the-art facilities and experienced faculty, you'll be prepared for a variety of career opportunities. Enroll now and cultivate your future. 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

Examples 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 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

* 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.

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

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.

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

Program Requirements

Major Requirements

Code	Title	Credit Hours
Major Requirements (courses count in major GPA)		
BSCI 16001	HORTICULTURAL BOTANY	3
BSCI 26002	ECOLOGICAL PRINCIPLES OF PEST MANAGEMENT	3
BSCI 26003	PLANT IDENTIFICATION AND SELECTION I	3
BSCI 26004	PLANT IDENTIFICATION AND SELECTION II	3
GEOG 16001	SOIL AND HORTICULTURAL MANAGEMENT	3
HORT 16001	INTRODUCTION TO HORTICULTURE	1
HORT 26001	OCCUPATIONAL REGULATIONS AND SAFETY	2
	Technical Elective	3
Additional Requirements (courses do not count in major GPA)		
CHEM 10030	CHEMISTRY IN OUR WORLD (KBS)	3
CHEM 10031	CHEMISTRY IN OUR WORLD LABORATORY (KBS) (KLAB)	1
COMM 15000	INTRODUCTION TO HUMAN COMMUNICATION (KADL)	3
ESCI 21062	ENVIRONMENTAL EARTH SCIENCE (KBS)	3
UC 10001	FLASHES 101	1
	Kent Core Composition	3
	Kent Core Mathematics and Critical Reasoning	3
	Kent Core Humanities and Fine Arts	3
	Kent Core Social Sciences	3
	General Electives (total credit hours depends on earning 60 credits hour)	1
Concentrations		
	Choose from the following:	15
	Landscape Design	
	Turfgrass Management	
	Urban Forestry	

Minimum Total Credit Hours: 60

Landscape Design Concentration Requirements

Code	Title	Credit Hours
Concentration Requirements (courses count in major GPA)		
HORT 26016	IRRIGATION DESIGN AND MAINTENANCE	3
HORT 26018	LANDSCAPE CONSTRUCTION	3
HORT 26020	LANDSCAPE MANAGEMENT	3
HORT 26021	COOPERATIVE WORK EXPERIENCE IN LANDSCAPE MANAGEMENT	3

HORT 26046	LANDSCAPE DESIGN I	3
Minimum Total Credit Hours:		15

Turfgrass Management Concentration Requirements

Code	Title	Credit Hours
Concentration Requirements (courses count in major GPA)		
BMRT 11000	INTRODUCTION TO BUSINESS	3
BMRT 21052	PROFESSIONAL SELLING TECHNIQUES	3
HORT 26030	TURF GRASS MANAGEMENT	3
HORT 26031	COOPERATIVE WORK EXPERIENCE IN TURF GRASS MANAGEMENT	3
HORT 26032	GOLF COURSE MANAGEMENT	3
Minimum Total Credit Hours:		15

Urban Forestry Concentration Requirements

Code	Title	Credit Hours
Concentration Requirements (courses count in major GPA)		
BMRT 11000	INTRODUCTION TO BUSINESS	3
BMRT 21052	PROFESSIONAL SELLING TECHNIQUES	3
HORT 26010	ARBORICULTURE	3
HORT 26011	COOPERATIVE WORK EXPERIENCE IN TREE CARE	3
HORT 26012	URBAN FORESTRY	3
Minimum Total Credit Hours:		15

Graduation Requirements

Minimum Major GPA	Minimum Overall GPA
2.000	2.000

Roadmaps

Landscape Design Concentration

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
!	HORT 16001 INTRODUCTION TO HORTICULTURE	1
	UC 10001 FLASHES 101	1
	Kent Core Requirement	3
	Kent Core Requirement	3
	Kent Core Requirement	3
Credit Hours		14
Semester Two		Credits
!	BSCI 26003 PLANT IDENTIFICATION AND SELECTION I	3
	CHEM 10030 CHEMISTRY IN OUR WORLD (KBS)	3
	CHEM 10031 CHEMISTRY IN OUR WORLD LABORATORY (KBS) (KLAB)	1
	HORT 26018 LANDSCAPE CONSTRUCTION	3
!	HORT 26020 LANDSCAPE MANAGEMENT	3
	Kent Core Requirement	3
Credit Hours		16

First Summer Term

HORT 26021	COOPERATIVE WORK EXPERIENCE IN LANDSCAPE MANAGEMENT	3
Credit Hours		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
Credit Hours		14
Semester Four		Credits
!	BSCI 26002 ECOLOGICAL PRINCIPLES OF PEST MANAGEMENT	3
	ESCI 21062 ENVIRONMENTAL EARTH SCIENCE (KBS)	3
!	HORT 26046 LANDSCAPE DESIGN I	3
	Technical Elective	3
	General Elective	1
Credit Hours		13
Minimum Total Credit Hours:		60

Turfgrass Management Concentration

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
!	HORT 16001 INTRODUCTION TO HORTICULTURE	1
!	HORT 26030 TURF GRASS MANAGEMENT	3
	UC 10001 FLASHES 101	1
	Kent Core Requirement	3
	Kent Core Requirement	3
Credit Hours		14
Semester Two		
!	BSCI 26003 PLANT IDENTIFICATION AND SELECTION I	3
	CHEM 10030 CHEMISTRY IN OUR WORLD (KBS)	3
	CHEM 10031 CHEMISTRY IN OUR WORLD LABORATORY (KBS) (KLAB)	1
	Kent Core Requirement	3
	Kent Core Requirement	3
Credit Hours		13
First Summer Term		
	HORT 26031 COOPERATIVE WORK EXPERIENCE IN TURF GRASS MANAGEMENT	3
Credit Hours		3
Semester Three		
	BMRT 11000 INTRODUCTION TO BUSINESS	3
!	BSCI 26004 PLANT IDENTIFICATION AND SELECTION II	3
!	GEOG 16001 SOIL AND HORTICULTURAL MANAGEMENT	3
!	HORT 26001 OCCUPATIONAL REGULATIONS AND SAFETY	2
!	HORT 26032 GOLF COURSE MANAGEMENT	3
Credit Hours		14
Semester Four		
	BMRT 21052 PROFESSIONAL SELLING TECHNIQUES	3
!	BSCI 26002 ECOLOGICAL PRINCIPLES OF PEST MANAGEMENT	3
	COMM 15000 INTRODUCTION TO HUMAN COMMUNICATION (KADL)	3
	ESCI 21062 ENVIRONMENTAL EARTH SCIENCE (KBS)	3
	Technical Elective	3
	General Elective	1
Credit Hours		16
Minimum Total Credit Hours:		60

Urban Forestry Concentration

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
!	HORT 16001 INTRODUCTION TO HORTICULTURE	1
	UC 10001 FLASHES 101	1
	Kent Core Requirement	3
	Kent Core Requirement	3
	Kent Core Requirement	3
Credit Hours		14
Semester Two		Credits
!	BSCI 26003 PLANT IDENTIFICATION AND SELECTION I	3
	CHEM 10030 CHEMISTRY IN OUR WORLD (KBS)	3
	CHEM 10031 CHEMISTRY IN OUR WORLD LABORATORY (KBS) (KLAB)	1
!	HORT 26010 ARBORICULTURE	3
	Kent Core Requirement	3
Credit Hours		13
First Summer Term		Credits
	HORT 26011 COOPERATIVE WORK EXPERIENCE IN TREE CARE	3
Credit Hours		3
Semester Three		Credits
	BMRT 11000 INTRODUCTION TO BUSINESS	3
!	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
Credit Hours		14
Semester Four		Credits
	BMRT 21052 PROFESSIONAL SELLING TECHNIQUES	3
!	BSCI 26002 ECOLOGICAL PRINCIPLES OF PEST MANAGEMENT	3
	ESCI 21062 ENVIRONMENTAL EARTH SCIENCE (KBS)	3
!	HORT 26012 URBAN FORESTRY	3
	Technical Elective	3
	General Elective	1
Credit Hours		16
Minimum Total Credit Hours:		60

University Requirements

All students in an applied or technical associate 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.

Code	Title	Credit Hours
	Flashes 101 (UC 10001)	1
	Course is not required for students with 30+ transfer credits (excluding College Credit Plus) or age 21+ at time of admission.	
	Kent Core (see table below)	15
	Total Credit Hour Requirement	60

Some associate degrees require students to complete more than 60 credit hours.

Kent Core Requirements

Kent Core Composition (KCMP)	3
Kent Core Mathematics and Critical Reasoning (KMCR)	3
Kent Core Humanities and Fine Arts (KHUM/KFA)	3
Kent Core Social Sciences (KSS)	3
Kent Core Basic Sciences (KBS/KLAB)	3
Total Credit Hours:	15

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.

Full Description

The Associate of Applied Science degree in Horticulture Technology prepares students for careers in landscape management, turf management, urban forestry, nursery and greenhouse operations and related horticultural professions. The program emphasizes practical experience through hands-on training in outdoor labs. Students are required to complete an internship.

The degree program articulates with Kent State's Bachelor of Applied Horticulture degree.

The Horticulture Technology major comprises the following concentrations:

- Landscape Design
- Turfgrass Management
- Urban Forestry