

# Horticultural Industries

OSU/ATI offers comprehensive, two-year degree programs in the field of Horticulture Industry Technologies leading to an Associate of Applied Science Degree from The Ohio State University. Our curriculum contains a blend of general studies, hands-on education, and technical work experience assuring our graduates continued success in the thriving green industries. With over 15,000 square feet of growing space under glass and plastic greenhouses, a stately Conservatory housing an extensive foliage collection, and a 50-acre central campus that doubles as a hands-on learning laboratory, OSU/ATI offers a premier horticulture curriculum. In addition to the general scholarship funds, more than \$55,500 is available specifically for students enrolled in one of the following two-year Horticultural Industry Technologies:

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## Floral Design and Marketing

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## Nursery and Garden Center Management

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## Greenhouse Production and Management

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## Turfgrass and Grounds Management

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## Landscape Contracting and Construction

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### Floral Design and Marketing

Students enrolled in this curriculum develop their creativity through a course of study which combines the art of commercial floral design with the dynamics of running a service-oriented business. An on campus retail shop provides students the opportunity to experience merchandising, bookkeeping and the art of creating a window display.

#### Curriculum

The handling and storage of flowers, greenhouse operation, outdoor gardening, and propagation of greenhouse plants as well as the principles of floral design, decorative uses of plants, marketing, merchandising and selling are all emphasized in the curriculum

#### Career Opportunities

Students pursue careers as floral designers, sales and service specialists, or interior plant display technicians and some choose to establish their own businesses.

### Greenhouse Production and Management

Students learn to control the growing environment through the use of sophisticated, scientific methods, including a new greenhouse environment control computer, to produce quality crops of flowers and foliage.

#### Curriculum

The curriculum includes the production, harvesting, and handling of cut flowers, potted plants, and bedding plants as well as plant propagation, plant diseases, and greenhouse environmental control. Students also learn business management, marketing and merchandising, and how to sell plant products.

#### Career Opportunities

Graduates find career opportunities as greenhouse growers, production specialists, managers or interior plantscape technicians.

### Landscape Contracting and Construction

OSU/ATI's Landscape Contracting and Construction program is a Midwest Regional winner of the Excellence Award in Agricultural Technology Instruction and is formally endorsed by the Associated Landscape Contractors of America.

#### Curriculum

Instruction includes a thorough knowledge of plant materials and their esthetic and functional uses in relation to residential and commercial building sites. Landscape pricing and bidding as well as construction of outdoor landscape features like patios, walks, and decks are also included.

EDUCATION • EXPERIENCE • OPPORTUNITY

HORTICULTURAL INDUSTRIES  
GENERAL STUDIES  
AGRICULTURAL BUSINESSES  
ANIMAL INDUSTRIES  
ENGINEERING TECHNOLOGIES

### Career Opportunities

Students find careers as grounds maintenance superintendents, landscape contractors or design salesmen, landscape foremen, landscape nurserymen, or landscape superintendents.

## Nursery and Garden Center Management

This OSU/ATI technology strives to meet the growing demand for qualified technical personnel in the nursery garden center, botanical gardens, and arboretum industries. Plants are propagated and grown in a campus nursery which includes both field and container production. The adjacent Secrest Arboretum, located at the Ohio Agricultural Research and Development Center, offers students the opportunity to study plant materials of an established collection.

### Curriculum

The study of soil science, plant nutrition, plant propagation, plant identification and irrigation and drainage for field or container production are all included in the curriculum. The details of the nursery business including sales, marketing, and management are also emphasized.

### Career Opportunities

Graduates work as nurserymen, plant propagators, salespersons, garden center managers, horticulturists, and arborists.

## Turfgrass and Grounds Management

From the on-campus practice green to the athletic fields, the beautifully landscaped and maintained OSU/ATI campus becomes an outdoor laboratory for students preparing for a future in this technology. Students pursuing a career in Turfgrass and Grounds Management will join the more than 500,000 professionals making their living directly from the care and management of the estimated 25 to 30 thousand acres of turfgrass in the United States alone.

### Curriculum

The curriculum deals with soil science, plant nutrition, irrigation and drainage, weed and pest control, turf practices, plant diseases, and turfgrass power equipment.

### Career Opportunities

Many of graduates have established their own businesses while others enter the thriving industries of lawn care, grounds management, estate and botanical garden management, and park and sport facilities management including golf course assistant superintendents and superintendents.

## General Facts about OSU/ATI

### General Studies

Offering a well balanced technical education, OSU/ATI requires 40 per cent of each student's credits to be earned in the general studies of science, math, communications, and social science.

### Practicum

Supervised, practical, on-campus work experience provides students with the opportunity to apply skills learned in the classrooms and laboratories.

### Occupational Internship

A minimum of 10 weeks, full-time, paid employment in the student's field of study is required for graduation. Students are graded on job performance and receive academic credit while earning a salary.

### Financial Aid

Financial aid is available, to those who qualify, in the form of scholarships, grants, loans and part-time employment.

### Learning Assistance Center

OSU/ATI offers several learning assistance activities designed to help students succeed in college. Programs to Assist Learning (PAL) provides academic assistance through Project SUCCESS, Writing Lab, Math Lab, Tutoring, Study Tables, and Project BUILD.

For more information contact:  
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