

# Greenhouse Production & Management

Greenhouse production and management involves the propagation and production of herbaceous ornamental plants in environmentally controlled greenhouses, for later use in gardens, homes, and exterior or interior landscaping. Floriculture greenhouse businesses produce and market their products to garden centers, floral shops, the mass market, and directly to the public.

## Pursuing Greenhouse Production and Management at Ohio State ATI

Ohio State ATI recommends that students entering the field of greenhouse production and management pursue a college preparatory curriculum. Students will benefit from a good background in biology, chemistry, math, and written and verbal communication. Horticultural classes or industry work experience can also be beneficial.

Students seeking an Associate of Applied Science in Greenhouse Production and Management enter directly into the program upon completion of their admission requirements. All applicants are strongly advised to arrange a pre-admission conference to acquaint themselves with the various aspects of this major.

The curriculum emphasizes floriculture production, integrated pest management, plant diseases, and greenhouse environmental control, as well as the harvesting, handling, and use of pot plants, bedding plants, herbaceous perennials, foliage, and cut flowers. In addition to business management and marketing, merchandising and selling plant products are presented. The five Ohio State ATI production greenhouses, conservatory, and outdoor display gardens provide opportunities for practical experience in plant production.

To obtain an Associate of Applied Science in Greenhouse Production and Management from Ohio State ATI, students must complete a minimum of 105 quarter credit hours with a cumulative point-hour ratio of 2.0 or above. They must satisfactorily complete a prescribed curriculum which includes at least 58 quarter credit hours in technical studies and 47 quarter credit hours in basic and general studies. A minimum of 45 quarter credit hours must be earned through regular course work at the institute, exclusive of an internship.

Because of their diverse and related interests, many students choose to pursue a dual major during their academic studies at Ohio State ATI. This can serve to broaden professional opportunities and educational experience.

Students who decide to follow this curriculum track are urged to work closely with their academic advisors.

## Internships

Students in the greenhouse production and management program complete an internship of 10 weeks of full-time employment in a greenhouse business. Ohio State ATI helps students find appropriate internship positions in Ohio, other states, and abroad. Students are paid for their employment, graded on their job performance, and awarded academic credit.

## Related Programs

Ohio State ATI also offers an Associate of Science degree in Horticultural Science. This degree option allows students to begin their course work toward a Bachelor of Science. Students who pursue this degree at Ohio State ATI can meet a portion of the requirements for a bachelor's degree at The Ohio State University College of Food, Agricultural, and Environmental Sciences.

In addition, this degree contains the transfer module, a common set of general education courses which apply to bachelor's degrees at other colleges in Ohio. Consult the Horticultural Science major series sheet for the curriculum details of this option.

## Career Opportunities in Greenhouse Production and Management

Many opportunities exist in the greenhouse industry. Graduates will find job opportunities in greenhouse businesses, garden centers, and horticultural companies. Graduates are qualified to fill the following positions: greenhouse grower, greenhouse assistant manager/manager, greenhouse technician, or production specialist. Other areas of employment within the greenhouse industry may include sales, service, technical support, public horticulture, and consulting associated with greenhouse businesses.

Beginning salaries for greenhouse production managers typically range from \$25,000 to \$40,000 annually, depending on location, specific skills, and other factors determined by various employers.

## Opportunities for Outstanding Students

Each spring, the Outstanding Student Banquet recognizes the top student in each major or technology. Ohio State ATI also has a chapter of Phi Theta Kappa, the international honor society for students at two-year institutions. Selection for this prestigious society is based

**For more information, check these web sites:**

**Greenhouse Production and Management:**  
[www.ati.osu.edu/programs/greenhouse.html](http://www.ati.osu.edu/programs/greenhouse.html)  
**Ohio State ATI:** [www.ati.osu.edu](http://www.ati.osu.edu)

**Ohio State:** [www.osu.edu](http://www.osu.edu)  
**Admissions:** [www.ATIadmissions.osu.edu](http://www.ATIadmissions.osu.edu)  
**Visit ATI:** [www.ati.osu.edu/visit\\_campus.html](http://www.ati.osu.edu/visit_campus.html)

## Curriculum Sample

### First Year:

#### Autumn Quarter

First-Year Written Composition	3
Technical Mathematics I	5
Personal and Career Orientation	1
Greenhouse Environment Control	4
Practicum	1

#### Winter Quarter

General Economics	5
Microcomputer Applications	1
General Botany	5
Greenhouse Bedding Plant Production	4
Practicum	1
General and Applied Entomology	3

#### Spring Quarter

Occupational Internship	6
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#### Summer Quarter

Fundamentals of Marketing	3
Spreadsheet Applications	1
Essentials of Oral Communication	3
Herbaceous Plants	3
Practicum	1
Social science or humanities elective	3

**Total hours** 53

### Second Year

#### Autumn Quarter

General Chemistry	4
Financial Accounting	5
Pesticides and Their Use	3
Greenhouse Perennial Production	3

#### Winter Quarter

General Chemistry I	4
Technical Reporting or Business	
Communications	3
Houseplants for Interior Decoration	4
Plant Diseases of Ornamentals and Turf	3
Practicum	1
Humanities or social science elective	3

#### Spring Quarter

Soils and Soil Management	4
Small Business Management	4
Propagation of Nursery and	
Greenhouse Plants	4
Greenhouse Pot Plant Production	4
Social science or humanities elective	3

**Total hours** 52

upon academic achievement and leadership qualities. Students with cumulative grade point averages of between 3.7 and 4.0 are eligible to graduate with Latin honors (summa cum laude, magna cum laude, or cum laude).

### About Ohio State ATI

Ohio State ATI, located in Wooster, Ohio, is the associate-degree granting unit of The Ohio State University College of Food, Agricultural, and Environmental Sciences. Twenty-five technical programs leading to the Associate of Applied Science or Associate of Science degree are offered at the Wooster campus. Two Certificate of Competency programs, in hydraulic service and repair and commercial turf equipment, are also offered. Within four months of graduation, 99% of Ohio State ATI graduates are employed or pursuing bachelor's degrees.

Ohio State ATI's 50-acre central campus features classroom and laboratory buildings, horticultural facilities, the student activities center, residence hall, and Applewood Village student apartments. A 1700-acre farm laboratory is located five miles east of the central campus.

Halterman Hall houses classrooms, the Library Learning Resource Center, computer labs, administrative and faculty offices, as well as specialized laboratory facilities for chemistry, physics, entomology, biology, botany, soils, floral design, and landscape classes.

Adjacent to Halterman Hall is Skou Hall, home to classrooms, academic offices, and laboratories for animal, dairy, and equine sciences and turfgrass management. Skou Hall also houses engine, electronics, construction, and Fluid Power classes, and contains the Ohio State ATI Bookstore, Café Carmen, a student lounge, and the office of Student Success Services, which provides career and personal counseling, tutoring, study groups, disability services, and other support services to students.

Ohio State ATI's greenhouse complex, tropical plant conservatory, campus grounds, and numerous outdoor gardens assure that the campus is blooming and beautiful year-round.

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### Contact information:

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