

Crop Management & Services

Crop management and services involves the management of field and forage crops through the application of scientific and applied principles. It includes sales, consulting, and other support activities for the crop producer.

Pursuing Crop Management and Services at Ohio State ATI

Ohio State ATI recommends that students entering the study of crop management and services pursue a college preparatory curriculum and have an aptitude for working outdoors.

Students seeking a degree in crop management and services at Ohio State ATI enter directly into the program upon the completion of their admission requirements. All applicants are strongly advised to arrange a pre-admission conference in order to acquaint themselves with the various aspects of this major.

The three program options in this area are crop services, crop management, and custom pesticide and fertilizer application. The crop services option stresses the support areas of the crop industry, including business, sales, and service. The crop management option involves the actual production of field crops, the application of pesticides, and the implementation of farm business practices. The custom application option focuses on field placement of pesticides and fertilizers, and on the operation of sophisticated application equipment.

Students are also required to take a number of general studies courses in the areas of science, math, communications, and social science. Courses such as written expression, oral communication, technical reporting, economics, technical math, and chemistry are some of the courses offered in general studies.

To obtain an Associate of Applied Science in Crop Management and Services, students must complete a minimum of 106 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 60 quarter credit hours in technical studies and 46 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.

Internships

Crop management and services students complete an industry internship of 10 weeks of full-time employment in their field of study. Ohio State ATI helps students find appropriate internship positions in both Ohio and other states. Students are paid for their employment, graded on their job performance, and awarded academic credit.

Career Prospects in Crop Management and Services

Graduates can enter the work force as field technicians, farm managers, or self-employed farmers, working on farms or for agricultural businesses that serve the crop farmer. Career opportunities for technical workers in crop production are available in production, management, sales, and services. Specifically, graduates could fill the following positions: farm manager; farm operator; production consultant; production specialist; sales technician; and field person for seed companies, fertilizer and chemical companies, and grain elevators. Opportunities also exist in the sales and custom application of farm chemicals and fertilizers.

Beginning salaries for careers associated with crop production and farm services range from \$20,500 to \$26,000 annually, depending on the specific skills and other factors determined by various employers.

Related Programs

Ohio State ATI also offers an Associate of Science in Agronomy. 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 Agronomy major series sheet for the curriculum details of this option.

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 upon academic achievement and leadership qualities. Students with cumulative grade point averages of between 3.7 and

For more information, check these web sites:

Crop Management and Services:

www.ati.osu.edu/programs

Ohio State ATI: www.ati.osu.edu

Ohio State: www.osu.edu

Admissions: www.ATIadmissions.osu.edu

Student Success Services: www.ati.osu.edu/support.html

Curriculum Sample *

First Year:

Autumn Quarter	
Introduction to Microcomputer Applications	1
Introductory Chemistry I	4
First-Year Written Composition	3
Technical Mathematics I	5
Personal and Career Orientation	1
Practicum	1
Harvesting Equipment* or Tractors and Related Equipment**=	3/4

Winter Quarter	
Introductory Chemistry II	4
Introduction to Soils and Soil Management	4
Technical Reporting or Business Communication	3
Social science or humanities elective*	3
Field Crop Production* **	3
General Botany=	5
Spreadsheet Applications**	1
Practicum**	1

Spring Quarter	
Occupational Internship	6

Summer Quarter	
Essentials of Oral Communication* **	3
General and Applied Entomology* **	3
Social science or humanities elective* **	3
Total Hours	52*/50**/41=

Second Year:	
Autumn Quarter	
General Economics	5
Diseases of Agronomic Crops	3
Practicum	1
Farm Financial Records*	4
Spreadsheet Applications*=	1
Marketing of Agricultural Products*=	3
Introduction to Animal Agriculture**	4
Personal Selling**=	4

Winter Quarter	
Fertilizers and Soil Fertility	3
Human Resource Management*	4
General Botany*	5
Storage and Processing of Agronomic Crops*	4
Practicum	1
Financial Accounting**=	5
Social science or humanities elective**=	3
Field Crop Production=	3
Marketing of Agricultural Products**	3
Technical Mathematics II=	5

Spring Quarter	
Social science or humanities elective	3
Principles of Farm Management*	4
Forage Crop Production*	3
Tillage and Planting Equipment*	3
Weed Control in Field Crops* **	4
Practicum* **	2
Small Business Management**	4
Human Resource Management**	4
Total hours	56*/47**/47=

Third Year:	
Autumn Quarter	
Social science or humanities elective=	3
Basic Hydraulic Systems=	3
Small Business Management=	4
Weed Control in Field Crops=	4
Practicum=	1

Winter Quarter	
Essentials of Oral Communication=	3
General and Applied Entomology=	3
Pesticides and Their Use=	3
Social science or humanities elective*=	3
Total Hours	27=

* Crop management option

** Crop services option

= Custom applicator option

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 ranked number one in the nation in the awarding of associate degrees in agriculture and related sciences and 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, and numerous outdoor gardens assure that the campus is blooming and beautiful year-round.

Ohio State ATI's student activities center features a weight room, game room, gymnasium, and racquetball courts and coordinates activities and events sponsored by student clubs. An active intramural sports program makes use of ATI's multi-purpose athletic field.

The Ohio State ATI residence hall features fully-furnished efficiency apartments that include a kitchenette and full bath. The Applewood Village student apartments are fully-furnished one-, two-, or three-bedroom townhouses. Both the residence hall and apartment village are air conditioned and include utilities, cable TV, and Internet access. Parking is free on the ATI campus.

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Contact information:

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Office of Admissions | 1328 Dover Road | Wooster, Ohio 44691-4000
(330) 264-3911 ext. 1327 | Toll free in Ohio 1-800-OH-STATE