

Environmental Resources Management

Environmental resources management involves finding solutions to today's critical issues of air pollution, water quality, soil erosion, and waste management.

Technicians work mostly in field settings, analyzing pollution problems and applying appropriate conservation practices.

Pursuing Environmental Resources Management at Ohio State ATI

Ohio State ATI recommends that students entering the field of environmental resources management pursue a college preparatory curriculum or have an interest in biology, earth science, mathematics, and physical science. A career center background may be helpful in working with soil, recycling, composting, and other conservation applications.

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

General Degree Requirements: Technical courses include the study of environmental resources, regulated waste management, sediment pollution control and design, and microcomputer and business applications.

This program requires that 45 percent of the credits be earned in the general studies of science, math, communications, humanities, and social science. Developing written expression, oral communication, technical reporting, economics, technical mathematics, social science, world cultures, biology/botany, and chemistry are some of the courses offered in general studies.

To obtain an Associate of Applied Science in Environmental Resources Management from Ohio State ATI, students must complete a minimum of 104 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 57 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.

Practicum is a supervised work experience. Environmental resource management students are involved in special conservation and environmental projects on campus, at the Ohio State ATI farm laboratory and at soil and water conservation offices. Students complete a minimum of three credit hours of practicum.

Internships

Environmental resources management students complete 10 weeks of full-time employment in their field of study. Ohio State ATI assists students in securing an appropriate internship. Students are paid for their employment, graded on their job performance, and awarded academic credit.

Career Opportunities in Environmental Resources Management

Graduates receiving an Associate of Applied Science degree can enter the work force in conservation agencies at local, state, and federal levels as well as in those environmentally concerned businesses and industries attempting to solve or prevent environmental problems.

Beginning salaries for graduates of the environmental resources management program begin at about \$25,000-\$30,000 annually, depending on the specific skills and other factors determined by various employers.

Related Programs

Ohio State ATI offers an Associate of Science in Environmental Resources Science. This degree option allows students to begin 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 in the School of Natural Resources of the 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 Environmental Resource Science 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:

Environmental Resources Management:

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

Introductory Chemistry I	4
First-Year Written Composition	3
Technical Mathematics I	5
Living with our Planet Earth	2
Personal and Career Orientation	1
Introduction to Microcomputer Applications	1

Winter Quarter

Introduction to Soils and Soil Management	4
Technical Drafting	2
Introductory Chemistry II	4
Technical Mathematics II	5
Introduction to CAD	2

Spring Quarter

Soil Formation and Classification*	3
Surveying and Mapping	3
Irrigation, Drainage and Erosion Control Systems*	5
Practicum	1
Essentials of Oral Communication	3

Summer Quarter

Environmental Sciences Internship	6
Total hours	54

Second Year:

Autumn Quarter

General Economics	5
Practicum	2
General Botany or General Biology	5
Technical elective	3/4
Humanities or social science elective	3

Winter Quarter

Human Resource Management	4
Field Crop Production	3
Business Communications	3
Social science elective	3
Humanities elective	3

Spring Quarter

Soil Physics and Mechanics*	3
Weed Control in Field Crops	4
Environmental Resources	3
Modeling and Managing Soil Erosion*	3
Regulated Waste Management*	3
Total hours	50/51

* Courses offered during alternate years and can be taken either in your first or second year.

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 anatomy and physiology. Skou 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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(330) 264-3911 ext. 1327 | Toll free in Ohio 1-800-OH-STATE