

# Swine Production & Management

Swine production and management is the animal care, business, and associated services that are part of a swine facility or related business.

## Pursuing Swine Production and Management at Ohio State ATI

Ohio State ATI recommends that students entering the study of swine production and management pursue a college preparatory curriculum and have previous experience with or an aptitude for working with animals. A career center background may be helpful, particularly if associated with any aspect of animal production or agriculture.

Students seeking an Associate of Applied Science in Swine 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 in order to acquaint themselves with the various aspects of this major.

The curriculum includes the technical instruction in the principles and processes of nutrition, reproduction, genetics, meat science, health, facilities, and management of swine, as well as principles of farm business management.

The swine production and management program requires that approximately 50 percent of each student's credits be earned in the general studies of science, math, communications, and social science. Courses such as written expression, technical reporting, oral communication, technical math, chemistry, biology, and social science electives are some of the courses offered in general studies.

Technical courses include meat animal evaluation, swine nutrition, livestock disease prevention, anatomy and physiology, and swine production and management.

To obtain an Associate of Applied Science in Swine Production and Management at Ohio State ATI, students must complete a minimum of 103 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 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 internship.

Practicum is required of students in swine production and management. This is a supervised, practical work experience at the Ohio State ATI farrow to finish swine facility. Students are encouraged to think independently and to evaluate and solve problems under the guidance of the swine facilities manager. Students assist in the daily husbandry and management of the herd.

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 of this program complete an industry internship of 10 to 12 weeks of full-time employment. Ohio State ATI students choose from in-state, national, or international internship locations. Students are paid for their employment, graded on their job performance, and awarded academic credit.

## Career Prospects in Swine Production and Management

Career opportunities for technical workers in swine production and management are available in the areas of production, service, sales, and management. Graduates fill positions as area managers, assistant managers, or managers of swine production units. Some graduates work within related swine industry businesses as salespersons for breeding stock, feed, and livestock pharmaceutical companies. Others choose to start their own pork production enterprises or to work for contract production units. Additional opportunities are available for work in areas such as research laboratories, cooperatives, breed associations, test stations, and meat processing (supplying goods and services to the swine producer). Ohio State ATI swine production and management graduates typically have a number of job opportunities to select from upon graduation.

Beginning salaries for careers associated with swine production and management range from \$24,000 to \$28,000 annually, depending on the employee skill level and the benefits package offered by the employer.

## Related Programs

Ohio State ATI also offers an Associate of Science in Livestock Science. This degree option allows students to begin their course work toward a Bachelor of Science.

For more information, check these web sites:

Swine Production & Management:  
[www.ati.osu.edu/programs](http://www.ati.osu.edu/programs)  
 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

Social science or humanities elective	3
Swine Production I	4
Practicum	1
First-Year Written Composition	3
Personal and Career Orientation	1
General Biology	4

#### Winter Quarter

Livestock Disease Prevention	3
Practicum	1
Essentials of Oral Communication	3
Technical Mathematics I	5
Animal Anatomy & Physiology	4

#### Spring Quarter

Judging Meat Animals	5
Practicum	1
Introductory Chemistry I	4
Technical Reporting or Business Communication	3
Technical Electives	4/5

#### Summer Quarter

Occupational Internship	6
<b>Total hours</b>	<b>55/56</b>

### Second Year:

#### Autumn Quarter

Practical Leadership in Swine Production and Management	1
General Economics	5
Farm Financial Records or Managerial Accounting	4/5
Principles of Animal Nutrition	4

#### Winter Quarter

Electives	6
Practical Leadership in Swine Production and Management	1
Introduction to Microcomputer Applications	1
Word Processing or Spreadsheet or Database Applications	1
Social science or humanities elective	3
Genetic Principles	5

#### Spring Quarter

Swine Production II	5
Practical Leadership in Swine Production and Management	1
Small Business Management or Principles of Farm Management	4
Social science or humanities elective	3
Free elective	3
<b>Total hours</b>	<b>47/48</b>

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. Please consult the Livestock 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 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.

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### Contact information:

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