

Livestock Science

Livestock Science is the animal care, business, and services associated with beef, sheep, and/or swine production and management and related agribusiness.

The objective of the livestock science program at Ohio State ATI is to allow students to complete first half of a Bachelor of Science in Animal Science or to prepare for employment in agricultural business.

This degree also includes the transfer module, a common set of courses which apply to other bachelor's degree programs in Ohio.

Pursuing Livestock Science at Ohio State ATI

Students pursuing the Associate of Science program must complete the following high school curriculum in order to be admitted to the program without conditions:

- four units of English
- three units of mathematics
- two units of natural science
- two units of social science
- two units of the same foreign language*
- one unit of visual or performing arts
- one additional unit from any of the above categories

*Students with a deficiency in foreign language are permitted to fulfill the requirement upon transfer to the Columbus campus.

Applicants to the Associate of Science program in livestock science who have not followed this curriculum will have conditions placed on their enrollment. These conditions must be satisfied by earning college course credits in the high school subject areas in which the students are deficient.

Students seeking an Associate of Science in Livestock Science 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.

Students must complete a minimum of 99 quarter credit hours of technical and general studies courses, with a cumulative point-hour ratio of 2.0 or above, to earn an Associate of Science in Livestock Science. A minimum of 45 quarter credit hours must be earned through regular course work at the institute.

Technical courses emphasize principles of management, animal nutrition, anatomy and physiology, livestock disease prevention, and genetics. A minimum of 30 quarter credit hours are required in technical courses.

Students also complete 54 credit hours of general studies which include communications, social sciences, mathematics, and biological and chemical sciences. Fourteen credit hours of electives, either technical or general, round out the curriculum.

Students in the livestock science program have the option of completing an internship while attending Ohio State ATI or following transfer. Practicum is required of students in the livestock science program. This is a supervised, on-campus work experience that provides students with the opportunity to apply skills learned in the classroom and at the Ohio State ATI beef, sheep, and swine facilities. Students are encouraged to think independently and evaluate and solve problems under the guidance of the livestock facilities manager. Students assist in the daily husbandry and management of the livestock.

Career Prospects in Livestock Science

After completing the Associate of Science in Livestock Science, many students choose to further their education by pursuing a bachelor's degree in animal sciences or another major at the Ohio State Columbus campus.

Those who graduate with a major in animal sciences are prepared for a variety of careers related to the specific course emphasis which agrees with each student's goals.

Many graduates work in allied industries such as breed associations, artificial insemination organizations, feed companies, equipment companies, research laboratories, meat-packing and animal product processing plants, government agencies, biotechnical industries, and in the business aspects of chemical and pharmaceutical companies. Students may return to their home farm, start an operation of their own, or manage others' operations.

Beginning salaries for animal science graduates range from \$17,000 to \$30,000 per year, depending upon the position, candidates' skills, and other factors determined by employers.

For more information, check these web sites:

Livestock Science: www.ati.osu.edu/programs

Ohio State ATI: www.ati.osu.edu

Ohio State: www.osu.edu

Admissions: www.ATIadmissions.osu.edu

Visit ATI: www.ati.osu.edu/visit_campus.html

Curriculum Sample

First Year:

Autumn Quarter	
FAES Survey	1
First-Year English Composition	5
Rural Sociology	5
Beef and Sheep Production I or Swine Production I	4
Practicum	1

Winter Quarter

Algebra, Trigonometry and their Applications	4
American Civilization to 1877	5
Elementary Chemistry	5
Livestock Disease Prevention	3

Spring Quarter

Animal Anatomy and Physiology	4
Elective	4/5
Principles of Food and Resource Economics	5
Introductory Animal Science	5
Total hours	51/52

Second Year:

Autumn Quarter	
Transferable elective	4/5
Bio Sc: Energy Transfer and Development	5
Social Groups in Developing Societies	5
Principals of Animal Nutrition	4

Winter Quarter

Agricultural Issues in Contemporary American Society	5
Practicum	1
Sheep Production	5
Transferable elective	4/5
Genetic Principles	5

Spring Quarter

Beef Production II or Swine Production II	5
Music Cultures of the World	5
Transferable electives	5
Total hours	43/55

Related Programs

Students who are not planning to ultimately pursue a bachelor's degree might be interested instead in one of the following Associate of Applied Science programs: Beef and Sheep Production and Management, Dairy Cattle Production and Management, and/or Swine Production and Management. Ohio State ATI also offers an Associate of Applied Science degree in Horse Production and Management and an Associate of Science (transfer) degree in Horse Science.

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.

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.

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Contact information:

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