

# AGRICULTURE | BACHELOR OF SCIENCE IN AGRICULTURE (ANIMAL SCIENCE)

In addition to the wide variety of coursework you take in the Animal Science option, gain hands-on experience in animal evaluation, selection and handling, breeding techniques, pregnancy checking, livestock ration formulation, and other important real-life skills. Exposure to the beef, dairy, horse, sheep and swine industries can lead you to career opportunities in:

- Feedlot management
- Meat quality assurance
- Agriculture communications
- Animal production
- Pharmaceutical sales
- Nutrition and feeding
- Livestock reproduction
- Marketing

## Program Summary

Code	Title	Hours
General Education		34
Major Core		18
Concentration Core		43
Directed Electives		6
Cognates		18
Open Electives <sup>1</sup>		1
<b>Total Hours</b>		<b>120</b>

<sup>1</sup> Open electives are the credit hours required to reach a minimum of 120 total hours and 45 upper-level hours. The number listed assumes all courses are completed at FHSU as listed. This number may vary if students transfer courses, or have individual substitutions allowed.

Students should speak with their advisor if either situation applies to determine if the number will vary, and to ensure they enroll in a minimum of 45 upper-level hours.

Students entering within 1 year of high school graduation will take UNIV 101 Freshman Seminar and may apply that hour in the open elective category.

## Program Requirements

### General Education

All undergraduate degrees require completion of the Kansas Systemwide General Education (<https://catalog.fhsu.edu/general-education/>).

Courses identified with <sup>GE</sup> on this page may satisfy a general education requirement in addition to the identified degree requirement. Students who apply a degree requirement to satisfy a general education requirement will typically add an equal number of hours to the the university elective category. This flexibility may allow you to complete a minor or certificate within the 120 hour degree. Transfer students and students majoring in programs with approved exceptions ([https://www.fhsu.edu/general-education/documents/fhsu-gen-ed-transfer-](https://www.fhsu.edu/general-education/documents/fhsu-gen-ed-transfer-exceptions-explainer1.pdf)

[exceptions-explainer1.pdf](https://www.fhsu.edu/general-education/documents/fhsu-gen-ed-transfer-exceptions-explainer1.pdf)) are especially encouraged to select these courses in completing General Education requirements to maximize the likelihood of completing the degree with 120 credit hours.

Code	Title	Hours
<b>General Education</b>		
<b>34-35</b>		
<b>Code Title Hours</b>		
<b>Major Core Courses</b>		
AGRI 111	Animal Science	3
AGRI 112	Agronomic Crop Science	3
AGRI 112L	Agronomic Crop Science Laboratory	1
AGRI 113	Introduction to Agribusiness	3
AGRI 211	Marketing Farm Products	3
AGRI 311	Farm Management	3
AGRI 475	Seminar	2
<b>Concentration Core Courses</b>		
AGRI 111L	Animal Science Lab	1
AGRI 114	Techniques of Livestock Selection and Evaluation I	2
AGRI 212	Techniques of Livestock Selection & Evaluation II	2
AGRI 214	Principles of Feeding	3
AGRI 220	Agricultural Accounting	3
AGRI 306	Pasture and Forage Crops	3
AGRI 313	Anatomy and Physiology of Domestic Animals	4
AGRI 321	Agricultural Law and Policy	3
AGRI 409	Dairy Cattle Production and Management	3
AGRI 411	Beef Feedlot Technology and Management	3
or AGRI 610	Beef Cattle Production and Management	
AGRI 610	Beef Cattle Production and Management	3
AGRI 611	Swine Production and Management	3
AGRI 615	Genetics of Livestock Improvement	3
AGRI 616	Reproductive Physiology of Domestic Animals	4
AGRI 617	Animal Nutrition	3
<b>Cognates</b>		
BIOL 180	Principles of Biology <sup>GE</sup>	3
BIOL 180L	Principles of Biology Laboratory <sup>GE</sup>	1
CHEM 112	General Chemistry I	3
CHEM 112L	General Chemistry Laboratory I	1
CHEM 114	General Chemistry II	3
CHEM 114L	General Chemistry Laboratory II	1
ECON 201	Principles of Microeconomics <sup>GE</sup>	3
MATH 110	College Algebra <sup>GE</sup>	3
<b>Total Hours</b>		<b>79</b>

## Degree Requirements

Code	Title	Hours
<b>All bachelor degrees require:</b>		
GPA of 2.0 on FHSU courses & 2.0 on all coursework (Higher program requirements prevail over the 2.0 when set)		

A minimum of 30 hours earned from FHSU with a grade of D, C, B, or A

Successful completion of an upper division Writing and Information Literacy course (Most majors contain a course designated)

A minimum of 45 hours of recognized upper division credit

A minimum of 120 hours of recognized college credit

## Degree Maps

**Academic Degree Maps** are term-by-term sample course plans that specify milestones, courses, and special requirements that are necessary for facilitating on-time completion. Degree Maps are *examples* and are not prescriptive. Individualized choices such as concentration options, transfer credits, optional minors, advisory programs (certificates), etc. can alter the recommended coursework. Course offerings are subject to change. Students should consult with their academic advisors for additional guidance on course planning.

To determine courses to take in the directed choices (often listed as Program Elective Course) and directed elective course blocks see the overview tab for courses. To locate approved courses in General Education areas (Undergraduate Programs) see the general education section (<https://catalog.fhsu.edu/general-education/>) of the catalog.

The undergraduate course maps typically advise the most efficient route for students to complete the general education requirements. Courses that are required in the major may be listed as fulfilling relevant general education requirements. This will result in more open elective course hours in some maps than is listed on the degree overview page.