

AGRICULTURE | BACHELOR OF SCIENCE IN AGRICULTURE (GENERAL)

If you have broader interests, you may find the General Agriculture option a great choice. Take a wide array of coursework from both the production and agricultural business areas. This option allows a great deal of flexibility to prepare you for careers requiring broad practical knowledge, including those in Cooperative Extension, general farm management, and production agriculture.

Program Summary

Code	Title	Hours
	General Education	34
	Major Core	18
	Concentration Core	23-27
	Cognates	14
	Open Electives ¹	31-35
	Total Hours	120

¹ Open electives are the credit hours required to reach a minimum of 120 total hours and 45 upper division 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 division 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 ^{GE} 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 university elective category. This flexibility may allow you to complete a minor or certificate within the 120 hour degree. Transfer students 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
	General Education	34-35

Effective in Fall 2025 the math pathway course (<https://catalog.fhsu.edu/general-education/gateway-courses/>) identified below is required for this degree.

The General Education Math Pathways course identified for this major is **MATH 110 College Algebra**. All students pursuing this degree program will be required to complete this course or the corequisite support course.

Students who place into a higher level math course may be able to satisfy this requirement; consult with your Academic Advisor for additional information.

Placement measures for **MATH 110 College Algebra** include:

- Math ACT: 22 or higher OR
- Math SAT: 540 or higher OR
- ALEKS PPL: 46 or higher OR
- Accuplacer QAS: 263 or higher OR
- HS GPA and Course Grade: 3.25 cumulative GPA (unweighted) and B- or higher in Second semester Algebra 2 or Integrated Math 3 OR
- Institutional Measure

Students who do not meet any of the placement measures listed above will need to register for the corequisite support course: MATH 105 College Algebra with Review. Credit for the corequisite support course will satisfy any requirement for the pathway course listed above.

Code	Title	Hours
Major Core Courses		
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
General Agriculture Option		
AGRI 214	Principles of Feeding	3
AGRI 215	Soils	3
AGRI 215L	Soils Laboratory	1
AGRI 220	Agricultural Accounting	3
Select one course from the following:		3
AGRI 320	Fund of Agricultural Commodity Marketing	
AGRI 321	Agricultural Law and Policy	
AGRI 410	Agricultural Finance	
Select two courses from the following:		6
AGRI 301	Home Horticulture	
AGRI 305	Agronomic Crop Insects	
AGRI 306	Pasture and Forage Crops	
AGRI 423	Agronomic Crop Diseases	
AGRI 625	Soil and Water Management	
Select two courses from the following:		4-7
AGRI 114	Techniques of Livestock Selection and Evaluation I	
AGRI 313	Anatomy and Physiology of Domestic Animals	
AGRI 409	Dairy Cattle Production and Management	
AGRI 411	Beef Feedlot Technology and Management	
AGRI 430	Large Animal Diseases	
AGRI 452	Meat Science	
AGRI 610	Beef Cattle Production and Management	
AGRI 611	Swine Production and Management	
Cognates		
BIOL 180	Principles of Biology ^{GE}	3

BIOL 180L	Principles of Biology Laboratory ^{GE}	1
CHEM 112	General Chemistry I	3
CHEM 112L	General Chemistry Laboratory I	1
ECON 201	Principles of Microeconomics ^{GE}	3
MATH 110	College Algebra ^{GE}	3
Total Hours		55-58

Degree Requirements

Code	Title	Hours
All bachelor degrees require:		
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

Course	Title	Hours
Freshman		
Fall		
MATH 110	College Algebra (SGE030 - Math and Statistics Discipline Area) ^{1, GE}	3
ENG 101	English Composition I (SGE010 - English Discipline Area)	3
COMM 100	Fundamentals of Oral Communication (SGE020 - Communication Discipline Area)	3
UNIV 101	Freshman Seminar	1
AGRI 111 & 111L	Animal Science and Animal Science Lab	4
AGRI 114	Techniques of Livestock Selection and Evaluation I	2
Hours		16
Spring		
SGE070 - Institutionally Designated Area: Personal and Professional Development		
BIOL 180	Principles of Biology (SGE040 - Natural and Physical Science Discipline Area) ^{1, GE}	3
ENG 102	English Composition II (SGE010 - English Discipline Area)	3
AGRI 113	Introduction to Agribusiness	3
AGRI 212	Techniques of Livestock Selection & Evaluation II	2
Hours		14
Sophomore		
Fall		
SGE060 - Arts and Humanities Discipline Area		
SGE070 - Institutionally Designated Area: Critical Thinking		
ECON 201	Principles of Microeconomics (SGE050 - Social and Behavioral Sciences Discipline Area) ^{1, GE}	3
AGRI 112 & 112L	Agronomic Crop Science and Agronomic Crop Science Laboratory	4
AGRI 214	Principles of Feeding	3
Hours		16
Spring		
AGRI 211	Marketing Farm Products	3
CHEM 112 & 112L	General Chemistry I and General Chemistry Laboratory I	4
AGRI 220	Agricultural Accounting	3
SGE050 - Social and Behavioral Sciences Discipline Area		3

SGE060 - Arts and Humanities Discipline Area		3
Hours		16
Junior		
Fall		
AGRI 311	Farm Management	3
CHEM 114 & 114L	General Chemistry II and General Chemistry Laboratory II	4
AGRI 611	Swine Production and Management	3
AGRI 321	Agricultural Law and Policy	3
Hours		13
Spring		
AGRI 409	Dairy Cattle Production and Management	3
AGRI 411	Beef Feedlot Technology and Management	3
AGRI 313	Anatomy and Physiology of Domestic Animals	4
AGRI 615	Genetics of Livestock Improvement	3
AGRI 616	Reproductive Physiology of Domestic Animals	4
Hours		17
Senior		
Fall		
AGRI 475	Seminar	2
AGRI 617	Animal Nutrition	3
Open Electives		9
Hours		14
Spring		
Open Electives		14
Hours		14
Total Hours		120

¹ Suggested General Education course, which also fulfills a major requirement

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. Open electives indicate the student is free to choose courses from any subject, but students should discuss with their advisor how many of these hours must be upper division. 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.