

AGRICULTURE | BACHELOR OF SCIENCE IN AGRICULTURE (AGRICULTURAL EDUCATION)

A degree option in Agriculture Education gives you the opportunity to take your passion for agriculture to another level by teaching the next generation of agriculture professionals. Through this teaching certification program, you will combine Ag Ed with a degree in Secondary Education. Gain in-depth knowledge about the many areas of agriculture, along with the theory and practical experience you need to become an excellent teacher.

Learn more about the Department of Teacher Education (<https://www.fhsu.edu/teachereducation/index/>)

Program Summary

Code	Title	Hours
General Education		34
Major Core		18
Concentration Core		21
Applied Technology Courses		6
Cognates		11
Open Electives ¹		30
Total Hours		120

¹ 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 ^{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 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-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
General Education		34-35

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
Agricultural Education Courses		
AGRI 277	Early Field Experience In Agriculture	1
AGRI 452	Meat Science	3
AGRI 460	Teaching Agriculture Education	3
Select 8 credit hours from the following:		8
AGRI 114	Techniques of Livestock Selection and Evaluation I	
AGRI 214	Principles of Feeding	
AGRI 215	Soils	
AGRI 215L	Soils Laboratory	
AGRI 301	Home Horticulture	
Select two courses from the following:		6
TECS 119	Introduction to Welding	
TECS 120	Power, Energy, and Transportation	
TECS 220	Engine Systems	
TECS 280	Wood Processes	
TECS 391	Technology in Society	
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
Total Hours		50

Second Degree: Secondary Education (BS)

The Bachelor of Science in Education with a emphasis in Secondary Education is available only as part of a dual major in conjunction with a major in an academic teaching field approved by the KSDE at the PreK-12 and 6-12 levels. The teaching fields available at FHSU for students interested in licensure at middle or high school levels are art, biology, business, chemistry, earth/space science, English, modern languages (Spanish), journalism, mathematics, music, physical education, physics, psychology, technology education (communications; power, energy, transportation; production), history and government. For requirements in each content, please contact the appropriate teaching area departmental office. Students wishing to complete the requirements for the Secondary Education major must also meet the Teacher Education Program admission requirements. This program follows the Conceptual Framework for Teacher Education at Fort Hays State University.

Code	Title	Hours
	Secondary Education Core	19
	Courses from field of study	variable
	Student Teaching	12
Total number of credit hours varies based on chosen field of study		

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Code	Title	Hours
	General Education	34-35

Program Admission Requirements & General Education Courses

To earn an undergraduate degree at FHSU, you must complete 34 hours of General Education coursework. For the Secondary Education degree the following classes typically applied to the general education requirements must be completed with the specified grade for admission to the teacher education program, these include:

Code	Title	Hours
ENG 101	English Composition I (Grade C) ^{GE}	3
ENG 102	English Composition II (Grade B) ^{GE}	3
COMM 100	Fundamentals of Oral Communication (Grade B) ^{GE}	3
or COMM 304	Intermediate Interpersonal Communication	
MATH 110	College Algebra (Grade C) ^{GE}	3
or MATH 101	Contemporary Mathematics	
or MATH 130	Pre-Calculus Mathematics	
or MATH 234	Analytic Geometry and Calculus I	
MATH 250	Elements of Statistics (Grade C) ^{GE}	3

For a current list of all teacher education admission requirements check out the programs website (<https://www.fhsu.edu/cert/admission-to-teacher-education/>)

Secondary Education Requirements

These requirements are in addition to the requirements for the primary degree

Code	Title	Hours
Secondary Education Core Non-Restricted Courses		
TEEL 202	Foundations of Education (Grade C)	3

TEEL 231	Human Growth and Development (Grade C) ^{GE}	3
TECS 301	Introduction to Instructional Technology (Grade C)	3
___ 277	Early Field Experience (Grade C)	

Secondary Education Core Restricted Courses (Admission to Teacher Education Required)

TESP 302	Educating Students with Exceptionalities	3
TEEL 431	Educational Psychology	3
TESS 494	The Secondary School Experience	4
Student Teaching Courses		
TESS 496	Student Teaching Secondary	11
TEEL 675	Seminar in Education I	1

Total Secondary Education Courses: 31 Credit Hours. The 31 credit hours doesn't include method classes in the discipline or additional cognates necessary for specific fields.

- All program courses must be completed with a C or better
- Major requires 2.75 GPA

Degree Requirements

Code	Title	Hours
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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

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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.