

# 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 <sup>1</sup> |       | 31-35      |
| <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-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> |

| Code                      | Title                  | Hours |
|---------------------------|------------------------|-------|
| <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 |

### 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 <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 |
| ECON 201  | Principles of Microeconomics <sup>GE</sup>     | 3 |
| MATH 110  | College Algebra <sup>GE</sup>                  | 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     |
|---|--|-----------|
| <b>Freshman</b>   |  |           |
| <b>Fall</b>   |  |           |
| SGE030 - Math Statistics Discipline Area  |  |           |
| MATH 110  | College Algebra <sup>1, GE</sup>                             | 3         |
| SGE010 - English Discipline Area  |  |           |
| SGE020 - Communication Discipline Area  |  |           |
| 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         |
| <b>Hours</b>  |  | <b>16</b> |
| <b>Spring</b>   |  |           |
| SGE070 - Institutionally Designated Area: Personal and Professional Development |  |           |
| SGE040 - Natural Physical Science Discipline Area                               |  |           |
| BIOL 180  | Principles of Biology <sup>1, GE</sup>                       | 3         |
| SGE010 - English Discipline Area  |  |           |
| AGRI 113  | Introduction to Agribusiness                                 | 3         |
| AGRI 212  | Techniques of Livestock Selection & Evaluation II            | 2         |
| <b>Hours</b>  |  | <b>14</b> |
| <b>Sophomore</b>  |  |           |
| <b>Fall</b>   |  |           |
| SGE060 - Arts Humanities Discipline Area  |  |           |
| SGE070 - Institutionally Designated Area: Critical Thinking                     |  |           |
| SGE050 - Social Behavioral Sciences Discipline Area                             |  |           |
| ECON 201  | Principles of Microeconomics <sup>1, GE</sup>                | 3         |
| AGRI 112 & 112L   | Agronomic Crop Science and Agronomic Crop Science Laboratory | 4         |
| AGRI 214  | Principles of Feeding  | 3         |
| <b>Hours</b>  |  | <b>16</b> |
| <b>Spring</b>   |  |           |
| 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 Behavioral Sciences Discipline Area                             |  |           |
| SGE060 - Arts Humanities Discipline Area  |  |           |
| <b>Hours</b>  |  | <b>16</b> |
| <b>Junior</b>   |  |           |
| <b>Fall</b>   |  |           |
| 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         |
| <b>Hours</b>  |  | <b>13</b> |
| <b>Spring</b>   |  |           |
| 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         |
| <b>Hours</b>  |  | <b>17</b> |
| <b>Senior</b>   |  |           |
| <b>Fall</b>   |  |           |
| AGRI 475  | Seminar  | 2         |
| AGRI 617  | Animal Nutrition   | 3         |
| Open Electives  |  | 9         |
| <b>Hours</b>  |  | <b>14</b> |

| Spring             |            |
|--------------------|------------|
| Open Electives     | 14         |
| <b>Hours</b>       |            |
|                    | <b>14</b>  |
| <b>Total Hours</b> |            |
|                    | <b>120</b> |

<sup>1</sup> 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. 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.