

# AGRICULTURE - ANIMAL SCIENCE, ASSOCIATE OF SCIENCE (460)

## About Our Program

This program is intended to provide the first two years of a 4-year baccalaureate program and includes the general education, agriculture, science, and math courses required of the transfer student.

## Nature of Work and Employment

This agricultural pathway includes opportunities to work directly with animals or to work with products that come from animals. Scientists and technicians in animal science careers treat diseased or injured livestock, companion, and exotic animals, and they work to keep animals healthy. They also study and research genetics, nutrition, and the development of the animals they work with. Other animal science careers develop more efficient ways of producing and processing meat, poultry, eggs and dairy products. Some examples of careers within animal science are listed below.

- Animal Nutritionist
- Livestock Grader
- Herd Manager
- Artificial Inseminator
- Meat Inspector
- Feed Mill Operator
- Animal Geneticist
- Pre-Veterinary

## Special Considerations

The listed coursework is a recommendation only. Students should check with a student advisor for HCC graduation requirements. **Students must meet with an advisor to ensure that the special requirements of the department and institution to which they plan to transfer are met.** Colleges and universities have specific requirements for transfer students.

## Requirements

### Associate of Science Requirements

Students must meet all requirements for the Associate of Science degree (<https://catalog.highland.edu/programs-available/as-requirements/>) in order to graduate from Highland Community College. For more information, please see your advisor.

## Recommended Courses

### Associate of Science Degree

Code	Title	Hours
	Communications	9
	Humanities & Fine Arts	6
	Mathematics (see recommendations below)	7

Physical & Life Science (see recommendations below)	11
Social & Behavioral Sciences	6
Major/Minor Electives (see recommendations below)	23
<b>Total Hours</b>	<b>62</b>

### Agriculture Recommendations

Code	Title	Hours
AGRI 184	Intro to Ag Economics	3
AGRI 186	Introduction Animal Science	4
AGRI 286	Crop Science	4

### Physical & Life Science Recommendations

Code	Title	Hours
BIOL 110	Principles of Biology	4
CHEM 120	Elementary General Chemistry <sup>1</sup>	4

### Mathematics Recommendations

Code	Title	Hours
MATH 134	Statistics <sup>1</sup>	4

### Agricultural Electives

Code	Title	Hours
AGRI 182	Introductory Ag Mechanics	4
AGOC 143	Evaluation Of Ls Animals	2
AGOC 226	Animal Nutrition	4
AGOC 240	Farm Accounting	3

<sup>1</sup> Course has a prerequisite. See course description.

## Program Outcomes

- Students will demonstrate an ability to engage in critical thinking by analyzing situations and constructing and selecting viable solutions to solve problems.
- Students will understand and analyze the current events and issues that are occurring in agriculture and how they affect the future in agriculture.
- Students will demonstrate the ability to communicate effectively and confidently both orally and in writing.
- Students will demonstrate the ability to analyze data and draw appropriate statistical conclusions.
- Students will be encouraged to network and grow professionally through participation in PAS and Collegiate Farm Bureau activities.

## Program Contacts

Call Highland at 815-235-6121 for the following program contacts:

- Dr. Matt Magee, Dean of Agriculture, Business & Technology
- Justin Ebert, Agriculture Instructor
- Olivia Kepner, Agriculture Instructor
- Monica Pierce, Agriculture Instructor
- Vicki Schulz, Student Advisor/Transfer Coordinator