

# Agricultural Management (630)

## Animal Science Emphasis

### ASSOCIATE OF APPLIED SCIENCE

#### About Our Program

This program prepares students for employment in an agricultural business that focuses primarily on the production and management of livestock animals including beef cattle, dairy cattle, swine, and sheep.

#### Program Outcomes

- Apply concepts of breeding, nutrition, physiology, herd-health, economics and management in practical and profitable animal production programs.
- Contribute to respectful management of animals and the environment.
- Develop livestock/dairy feeding programs based on sound nutritional principles.
- Make decisions based on an understanding of policy and the regulatory environment within livestock/dairy production.
- Evaluate management practices of various livestock/dairy production practices and management.

#### Nature of Work and Employment

Career pathways in the animal science program may include employment in animal production, farm management, finance, feed and nutrition, livestock marketing, and animal health. Current employment potential in these areas is very good with a variety of options for work and advancement.

#### Special Considerations

All students enrolled are required to complete a workplace experience before graduating. Students are strongly encouraged to seek the advice of an Agriculture Instructor or Advisor to assist with class schedules, work place experiences, scholarship opportunities, and employment placement.

#### Program Contacts

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

- Scott Anderson, Vice President of Business, Technology and Community Programs
- Justin Ebert, Agriculture Instructor
- Monica Pierce, Agriculture Instructor
- Vicki Schulz, Student Advisor/Transfer Coordinator



#### First Semester

15 Credit Hours

LIBS	199	First Year Experience – Ag Emphasis	2	
AGRI	186	Introduction to Animal Science		
	-or-		4	
AGOC	116	Principles of Animal Science		
AGRI	192	Computer Applications in Agriculture	3	
*	BUSN	125	Mathematics of Business or Math Elective	3
			Elective	3

#### Second Semester

16 Credit Hours

AGRI	286	Crop Science		
	-or-		4	
AGOC	114	Principles of Plant Science		
AGOC	226	Animal Nutrition	4	
AGOC	127	Forage Production		
	-or-		2	
AGOC	227	Corn and Soybean Production		
*	BUSN	141	Business Communications or Communication Elective	3
			Elective	3

#### Summer

4 Credit Hours

*	OCED	290	Workplace Experience	4
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#### Third Semester

15 Credit Hours

AGOC	142	Livestock Facilities and Waste Management	3
AGOC	230	Animal Health	3
AGOC	221	Agricultural Policies and Programs	3
AGOC	232	Animal Reproduction	3
BUSN	225	Personal Finance or Social Science Elective	3

#### Fourth Semester

15 Credit Hours

AGOC	299	Agriculture Capstone Experience	1	
AGOC	143	Evaluation of Livestock Animals		
	-or-		2	
AGOC	144	Evaluation of Dairy Animals		
AGOC	242	Beef Management		
	-or-			
AGOC	243	Swine Management	3	
	-or-			
AGOC	245	Dairy Management		
*	AGOC	240	Farm Business Management	3
*	BUSN	121	Introduction to Business or Humanities Elective	3
			Elective	3

**Total Credit Hours =**

**65**

\* Course has a prerequisite. See course description.

Electives may be selected from courses with prefixes AGOC, AGRI, BIOL, BUSN, CHEM, EQUI, NSCI, and WELD.

Of the available General Education courses required for this program, at least three credits need to be completed with a Diversity designation (see advisor).