

A.S. Animal Science Emphasis - Livestock Management & Industry

This two-year (65 credit) emphasis provides students with a foundation in the biological and natural sciences. Students will learn reproductive physiology, animal breeding, nutrition, and livestock management. This option incorporates courses in economics and business to prepare graduates to manage livestock enterprises, or to be employed by companies producing and marketing livestock, animal feeds and health products.

Upon completion of this program, graduates will demonstrate:

- Understand the Basics of livestock management;
- Have an understanding of animal nutrition;
- Know types of livestock operations and how to manage them

Program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check [Course Descriptions](#) to determine pre-requisites and should consult their advisor regarding the order in which to take courses. Students should consult the catalog of the institution to which they expect to transfer and should select appropriate core requirement and elective courses in consultation with their advisor: [General Education Core Requirements Courses](#).

NOTE: 3 credits of either Humanities & Fine Arts or History & Social Sciences must meet the Cultural Diversity requirement.

First Year Fall Semester	
AGSC 101 Intro to Ag & Environmental Resources	1 credit
ANSC 100 Intro to Animal Science	3 credits
NRSM 101 Natural Resource Conservation	3 credits
NRSM 102 Montana Range Plants	1 credit
BIOB 160/161 Principles of Living Systems & Lab	3 and 1 credits
WRIT 101 College Writing I	3 credits
Total	15 credits
First Year Spring Semester	
COMX 111 Intro to Public Speaking, or AGED 140 Leadership Development for Agriculture	3 credits
ANSC 222 Livestock in Sustainable Systems	3 credits
M 121 College Algebra	4 credits
WRIT 201 College Writing II, or WRIT 121 Intro to Technical Writing	3 credits
Humanities & Fine Arts Core Requirement	3 credits
Total	16 credits
Second Year Fall Semester	
ACTG 201 Principles of Financial Accounting	4 credits
ANSC 265/266 Anatomy & Physiology of Domestic Animals & Lab	3 and 1 credits
CHMY 121/122 Intro to General Chemistry & Lab	3 and 1 credits
ECNS 201 Principles of Microeconomics	3 credits
NRSM 240 Natural Resource Ecology	3 credits

Total	18 credits
Second Year Spring Semester	
CHMY 123/124 Intro to Organic & Biochemistry & Lab	3 and 1 credits
STAT 216 Introduction to Statistics	3 credits
ECNS 202 Principles of Macroeconomics	3 credits
ANSC 202 Livestock Feeding & Nutrition	3 credits
Humanities & Fine Arts Core Requirement	3 credits
Total	16 credits
Program Total	65 credits