ANIMAL SCIENCE (SCIENCE) - BACHELOR OF SCIENCE IN AGRICULTURE

A Suggested Plan of Study for Students

This roadmap assumes student placement in MATH 1220G College Algebra and ENGL 1110G Composition I. The contents and order of this roadmap may vary depending on initial student placement in mathematics and English. It is only a suggested plan of study for students and is not intended as a contract. Course availability may vary from fall to spring semester and may be subject to modification or change.

First Year		
Semester 1		**Credits**
ENGL 1110G	Composition I [1]	4
MATH 1220G or MATH 1511G	College Algebra [1] or Calculus and Analytic Geometry I	3
ANSC 1120 or ANSC 1120H	Introduction to Animal Science or Introduction to Animal Science Honors	3
ANSC 1120L	Introduction to Animal Science Lab	1
ACES 1120	Freshman Orientation	1
Choose from one of the following AG Elective Options:		3
RGSC 2110	Introduction to Rangeland Management	
ANSC 1160	Introductory Horse Science	
ANSC 1180	Companion Animal in Society	
	Credits	**15**
Semester 2		
ACOM 1130G or COMM 1115G	Effective Leadership and Communication in Agriculture [1] or Introduction to Communication	3
CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors	4
CHEM 1121	General Supplemental Instruction I	1
ANSC 1110	Animal Science Careers	1
Area V: Humanities Course [2]		3
Area VI: Creative and Fine Arts Course [2]		3
	Credits	**15**
Second Year		
Semester 1		
ENGL 2210G	Professional and Technical Communication Honors [1]	3
BIOL 2610G & BIOL 2610L	Principles of Biology: Biodiversity, Ecology, and Evolution and Principles of Biology: Biodiversity, Ecology, and Evolution Laboratory	4
CHEM 1225G	General Chemistry II Lecture and Laboratory for STEM Majors	4
CHEM 1122	General Supplemental Instruction II	1
ANSC 304	Feeds and Feeding [1]	3
	Credits	**15**
Semester 2		
A ST 311	Statistical Applications	3
BIOL 2110G & BIOL 2110L	Principles of Biology: Cellular and Molecular Biology and Principles of Biology: Cellular and Molecular Biology Laboratory	4
Area IV: Social and Behavioral Science Course		3
ECON 1110G	Survey of Economics	
ECON 2110G	Macroeconomic Principles	
ECON 2120G	Principles of Microeconomics	
VWW: Viewing a Wider World Course [3]		3
Choose from one of the following AG Elective Options:		3
ANSC 2310	Introduction to Meat Science	
ANSC 301	Animal and Carcass Evaluation	
ANSC 390	Internship	
ANSC 391	Undergraduate Research Experience	
ANSC 392	Animal Sciences Teaching/Extension Experience	
	Credits	**16**
Third Year		
Semester 1		
ANSC 370	Anatomy and Physiology of Farm Animals (Fall Only) [1]	4
Choose from one of the following:		4
ANSC 303	Livestock, Meat and Wool Evaluation (Fall Only)	
ANSC 308	Horse Evaluation (Spring Only)	
CHEM 313	Organic Chemistry I [1]	3
CHEM 303	Organic Supplemental Instruction I	1
ANSC 305	Principles of Genetics [1]	3
	Credits	**15**
Semester 2		
ANSC 421	Physiology of Reproduction (Spring Only) [1]	4
CHEM 314 & CHEM 315	Organic Chemistry II and Organic Chemistry Laboratory [1]	5
CHEM 304	Organic Supplemental Instruction II	1
Choose from one of the following:		4
MATH 1511G	Calculus and Analytic Geometry I [1]	
MATH 1521G	Calculus and Analytic Geometry II [1]	
PHYS 1230G & PHYS 1230L	Algebra-Based Physics I and Algebra-Based Physics I Lab [1]	
PHYS 1240G & PHYS 1240L	Algebra-Based Physics II and Algebra-Based Physics II Lab [1]	
Elective Course		1
	Credits	**15**
Fourth Year		
Semester 1		
ANSC 422	Animal Nutrition [1]	3
ANSC 423	Animal Breeding [1]	3
ANSC 402 or ANSC 402 H or RGSC 402	Animal Science Seminar or Animal Science Seminar or Seminar	1
Choose from one of the following:		3
ANSC 462	Parasitology	
ANSC 480	Environmental Physiology of Domestic Animals	
ANSC 484	Ruminant Nutrition	
TOX 361	Basic Toxicology	
TOX 461	Toxicology I	
Elective Course		3

Elective Course		2
	Credits	**15**
Semester 2		
BCHE 395 or BCHE 341	Biochemistry I [1] or Survey of Biochemistry	3
Choose any two from the following courses:		6
ANSC 424	Swine Production	
ANSC 425	Horse Science and Management	
ANSC 426	Beef Production: Cow-Calf Management	
ANSC 427	Dairy Production	
ANSC 428	Sheep and Wool Production	
ANSC 429	Beef Production: Feedlot Management	
ANSC 468	Advanced Dairy Herd Management	
VWW: Viewing a Wider World Course [3]		3
Elective Course		2
	Credits	**14**
	Total Credits	**120**

1 These courses have prerequisites and it is the students responsibility to check and fulfill all course prerequisites listed for these courses.

2 See the General Education (https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/) section of the catalog for a full list of courses.

3 See the Viewing a Wider World (https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/#viewingawiderworldtext) section of the catalog for a full list of courses.