

# Animal Sciences — Equine Science Option (ANEQ)

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## Freshman

Fall	Hours	Spring	Hours
<b>ANSC 1100 Orientation to Animal Sciences</b>		<b>1 ANSC 1000 Introduction to Animal Sciences</b>	<b>4</b>
<b>BIOL 1020 Principles of Biology</b>		<b>3 BIOL 1030 Organismal Biology</b>	<b>3</b>
<b>BIOL 1021 Principles of Biology Laboratory</b>		<b>1 BIOL 1031 Organismal Biology Laboratory</b>	<b>1</b>
CHEM 1030 Fundamentals Chemistry I		3 CHEM 1040 Fundamental Chemistry II	3
CHEM 1031 Fundamental Chemistry I Laboratory		1 CHEM 1041 Fundamental Chemistry II Laboratory	1
ENGL 1100 English Composition I		3 ENGL 1120 English Composition II	3
MATH 1130 Pre-Calculus Trigonometry		3	
		<b>15</b>	<b>15</b>

## Sophomore

Fall	Hours	Spring	Hours
BIOL 2500 Human Anatomy and Physiology I		3 BIOL 2510 Human Anatomy and Physiology II	3
BIOL 2501 Human Anatomy and Physiology I Laboratory		1 BIOL 2511 Human Anatomy and Physiology II Laboratory	1
STAT 2510 Statistics for Biological and Health Sciences		3 CHEM 2030 Survey of Organic Chemistry	3
<b>ANSC 1050 Introduction to Equine Care and Use</b>		<b>3 COMM 1000 Public Speaking</b>	<b>3</b>
Core History 1		3 ECON 2020 Principles of Microeconomics	3
		Core History 2	3
		<b>13</b>	<b>16</b>

## Junior

Fall	Hours	Spring	Hours
AGEC 4000 Principles of Agribusiness Management		3 <b>ANSC 3600 Reproductive Physiology</b>	<b>4</b>
<b>ANSC 3410 Animal Metabolism and Nutrition</b>		<b>3 ANSC 3500 Animal Breeding</b>	<b>3</b>
Core Literature		3 <b>ANSC 3800 Careers in Animal Science</b>	<b>1</b>
<b>AGRI 3000 Agricultural Genetics (OR BIOL 3000 &amp; 3001)</b>		4 Core Humanity	3
		Core Social Science	3
		Directed Elective <sup>1</sup>	3
		<b>13</b>	<b>17</b>

## Senior

Fall	Hours	Spring	Hours
<b>ANSC 4450 Equine Nutrition</b>		<b>3 CSES 5500 Forage Production and Utilization</b>	<b>3</b>
BIOL 3200 General Microbiology		<b>3 ANSC 4050 Equine Production and Management</b>	<b>4</b>
BIOL 3201 General Microbiology Laboratory		1 High Impact Experience <sup>2</sup>	2
Core Fine Arts		3 Free Electives	6
Directed Elective <sup>1</sup>		3 UNIV 4AA0 Achieve the Creed	0

Free Electives	3	
	<b>16</b>	<b>15</b>

**Total Hours: 120**

**Bolded** courses constitute the ANEQ major (38 hrs; 2.0 GPA required for these courses).

- <sup>1</sup> Directed Electives:
  - ANSC 2050 Equine Behavior and Training
  - ANSC 3150 Equine Marketing
  - ANSC 3650 Physiology of Equine Athlete
- <sup>2</sup> High Impact Experience (2 hours):
  - ANSC 2100 Dairy Goat U Program Planning
  - ANSC 2200 Dairy U Program Planning
  - ANSC 2300 Beef U Program Planning
  - ANSC 2400 Horse U Program Planning
  - ANSC 3840 Study/Travel in ANSC
  - ANSC 4920 Internship
  - ANSC 4980 Undergraduate Research
  - AGRI 4000 Agriculture Study Abroad