

All students must complete two Global Issues courses in the GE (▲). This requirement is the successor to the diamond/asterisk requirement. All students must complete a Social Diversity requirement in the GE, which can be done by completing Rural Sociology 1500 or Sociology 1101.

<b>FAES 1100 and Department Seminar</b>	<b>.5, .5</b>	<b>Social Science 1(RURLSOC 1500 or SOCIOL 1101)</b>	<b>3</b>
<b>Writing Level 1 (ENGLISH 1110)</b>	<b>3</b>	<b>Social Science 2(AEDECON 2001 or ECON 2001)</b>	<b>3</b>
<b>Writing Level 2 (ANIMSCI 2367) or see approved CFAES GE List</b>	<b>3</b>	<b>Historical Study (See Approved CFAES GE List)</b>	<b>3</b>
<b>AGRCOMM 3130 or COMM 2110</b>	<b>3</b>	<b>Culture &amp; Ideas or Historical Study (See Approved CFAES GE List)</b>	<b>3</b>
<b>MATH 1150</b>	<b>5</b>	<b>Literature (See Approved CFAES GE List)</b>	<b>3</b>
<b>Data Analysis (ANIMSCI 2260)</b>	<b>3</b>	<b>Art (See Approved CFAES GE List)</b>	<b>3</b>
<b>Biological Science (BIOLOGY 1113)</b>	<b>4</b>	<b>Contemporary Issues (See Approved CFAES GE List)</b>	<b>3</b>
<b>Biological Science (BIOLOGY 1114)</b>	<b>4</b>		
<b>Physical Science (CHEM 1210)</b>	<b>5</b>		
<b>Physical Science (CHEM 1220)</b>	<b>5</b>		
		<b>Major</b>	
		<b>Animal Sciences Core</b>	<b>58</b>
		<b>Animal or Human Nutrition Option</b>	<b>9</b>
		<b>Internship: ANIMSCI 3191</b>	<b>2</b>
		<b>Free Electives<sup>1</sup></b>	<b>4</b>
		<b>TOTAL CREDIT HOURS:</b>	<b>121</b>

**Major** **58**

**Animal Sciences Core**

ANIMSCI 3130	Nutrition <sup>2</sup>	3
ANIMSCI 3140	Principles of Animal Systems Physiology	3
ANIMSCI 3700	Applied Animal Research Methods Laboratory	2
ANIMSCI 5031	Ruminant Nutrition	3
ANIMSCI 5032	Non-Ruminant Nutrition	3
ANIMSCI 5070	Nutritional Immunology in Animal Systems	3
ANIMSCI 5530	Comparative Animal Nutrient Metabolism	3
BIOCHEM 4511	Introduction to Biological Chemistry	4
CHEM 2510	Organic Chemistry I	4
CHEM 2520	Organic Chemistry II	4
MICRBIO 4000.01 or 4000.02	Basic and Practical Microbiology	4
MOLGEN 4500	General Genetics	3
PHYSICS 1200	Mechanics, Kinematics, Fluids, Waves	5
PHYSICS 1201	Electricity and Magnetism, Optics, Modern Physics	5
Elective Options 1		5-9
Elective Options 2**		0-4

**Elective Options 1 (minimum of 5 credits required)**

HUMNNUTR 3313	Food in Different Cultures	2
HUMNNUTR 3415	Global Nutrition Issues	2
HUMNNUTR 3506	Nutrition across the Life Span	3
HUMNNUTR 4609	Macronutrients	3
HUMNNUTR 4610	Micronutrients & Phytochemicals	3
HUMNNUTR 5705	Nutrition and Physical Performance	2

**Elective Options 2**

<b>Additional courses from Elective Options 1 <i>OR</i></b>		
ANIMSCI 3131	Equine Feeds and Feeding	3
ANIMSCI 3400	Management Intensive Grazing	2
ANIMSCI 400x	Production Course Option	3
ANIMSCI 5100	Advanced Growth & Development	3
ANIMSCI 5090	Gut Microbiology	3

\*\*Additional courses with a nutrition or metabolism emphasis may be considered following discussions with advisor. A maximum of one production course can be counted in the major.

<sup>1</sup>Suggest fulfilling the free elective with an Organic Chemistry Lab if student is pursuing an animal or human medicine professional degree.

<sup>2</sup>Class equivalent HUMNTR 2310