

**ANIMAL SCIENCES MAJOR  
SCIENCE OPTION**

**124 Total Credits Required**

<b>FIRST SEMESTER</b>	<b>CREDITS</b>	<b>SECOND SEMESTER</b>	<b>CREDITS</b>
BIOL 110 - Biology Conc Biod (GN)	4	CHEM 112 - Chem Princ (GN)	3
Arts selection (GA)	3	CHEM 113 - Exper Chem (GN)	1
CHEM 110 - Chem Princ (GN)	3	ENGL 015 - Rhetoric & Comp (GWS) or ENGL 030 - Honors Fresh Comp (GWS)	3
CHEM 111 - Exper Chem (GN)	1	AG BM 101 – Econ Prin Agribus (GS) or ECON 102 – Micro Anly (GS)	3
First-Year Seminar (S)	1	Elective	0-2
Quantification selection (GQ)	<u>3-4<sup>a</sup></u>	Quantification selection (GQ)	<u>2-4<sup>b</sup></u>
	15-16		12-16
<b>THIRD SEMESTER</b>	<b>CREDITS</b>	<b>FOURTH SEMESTER</b>	<b>CREDITS</b>
▼ AN SC 201 *	4	▼ AN SC 300 (GN)*	3
▼ AN SC 290W	1	BIOL 220W - Biology Pop Comm (GN), BIOL 230W - Biology Mol Cells (GN), or BIOL 240W - Biol Func Dev Org (GN)	4
▼ AN SC 207, 208*	3	CHEM 203 - Organic Chem	3
Humanities selection (GH)	3	Social and Behavioral Sciences selection (GS)	3
CHEM 202 - Organic Chem	3	CAS 100 - Effective Speech (GWS)	<u>3</u>
Health and Physical Activity (GHA)	<u>1.5</u>		16
	15.5		
<b>FIFTH SEMESTER</b>	<b>CREDITS</b>	<b>SIXTH SEMESTER</b>	<b>CREDITS</b>
▼ AN SC 301*	3	AGRO 028 - Prin Crop Mgmt or SOILS 101 - Introductory Soils or ▼ AN SC 213	3
▼ AN SC 305*, 306*, 308*, 309*, 310*, 311*, 324*or 327*	3-4	B M B 221 - Applied Biochem	2
▼ AN SC 322, BIOL 222-Genetics, or BIOL 133 - Gent Evol Humans	3	Health and Physical Activity (GHA)	1.5
B M B 211 - Elem Biochemistry	3	MICRB 201 - Intro Microbiology	3
B M B 212 - Elem Biochem Lab	1	MICRB 202 - Intro Micro Lab	2
Elective	<u>1-4<sup>c</sup></u>	PHYS 250 - Intro Phys (GN)	<u>4</u>
	14-18		15.5
<b>SEVENTH SEMESTER</b>	<b>CREDITS</b>	<b>EIGHTH SEMESTER</b>	<b>CREDITS</b>
▼ AN SC 306, 308, 309, 405, 407, 410 or 413	3-4	▼ AN SC 423	3
▼ AN SC 431W	4	Arts selection (GA)	3
Elective	0-4 <sup>c</sup>	Supporting courses	5-7 <sup>d</sup>
ENGL 202 selection (GWS)	3 <sup>f</sup>	Communication Skills selection	<u>3-5<sup>e</sup></u>
Humanities selection (GH)	<u>3</u>		14-18
	13-18		

<sup>a</sup> Required to complete one of the following: MATH 021 GQ(3), 022 GQ(3), 110 GQ(4), or 140 GQ(4); recommend MATH 110 GQ(4) or 140 GQ(4).

<sup>b</sup> Required to complete one of the following: CMPSC 101 GQ(3), 203 GQ(4), MATH 022 GQ(3), 111 GQ(2), 141 GQ(4), STAT 100 GQ(3), 200 GQ(4), or 250 GQ(3).

<sup>c</sup> PHYS 251 is required for admission to veterinary school; students with a poultry interest are encouraged to schedule AN SC 211; students interested in meats or livestock judging should enroll in AN SC 324; students interested in horse judging should enroll in AN SC 217.

<sup>d</sup> Required to complete 5-7 credits from the department list. Courses that fulfill major requirements do not count in this area.

<sup>e</sup> Required to complete one of the following: ENGL 50 (GA), 210, 212, 213, 215, any foreign language (001-003), SPAN 105; CAS 212, 213, 250, 352; AEE 330W, 360, 440; AN SC 417 and 426, or AN SC 421 and 426, or AN SC 422 and 426, or AN SC 424 and 426. (AN SC courses cannot count as supporting courses and fulfill communication skills requirement)

<sup>f</sup> Recommend ENGL 202C GWS, Technical Writing

\* A grade of C or higher is required to graduate (16 credits) - Senate Policy 82 - 44.

▼ Course titles available on the semester schedule of Animal Science courses offered.

## PROGRESS REPORT

MAJOR: ANIMAL SCIENCES    OPTION: SCIENCE    NAME: \_\_\_\_\_    STUDENT NUMBER: \_\_\_\_\_  
 CREDITS REQUIRED: 124    ADVISOR: \_\_\_\_\_

### REQUIREMENTS FOR THE MAJOR (87-97 CREDITS)

GENERAL EDUCATION REQUIREMENTS (45 CREDITS)	COMMON REQUIREMENTS FOR MAJOR (35-41 CREDITS)	REQUIREMENTS FOR OPTION (52-55 CREDITS)																																																												
<b>FIRST YEAR SEMINAR (1) (S)</b> _____ _____	<b>COMMON PRESCRIBED (21 CREDITS)</b>	<b>SCIENCE OPTION PRESCRIBED (34 CREDITS)</b>																																																												
<b>WRITING SPEAKING SKILLS (9) GWS</b> ENGL 015 <i>or</i> 030 _____ ENGL 202 _____ CAS 100 _____	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">CR</th> <th style="text-align: center;">GD</th> </tr> </thead> <tbody> <tr> <td>* AN SC 201</td> <td style="text-align: center;">4</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>* AN SC 207 &amp; 208</td> <td style="text-align: center;">3</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>AN SC 290W</td> <td style="text-align: center;">1</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>* AN SC 300 GN</td> <td style="text-align: center;">3</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>* AN SC 301</td> <td style="text-align: center;">3</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>BMB 211</td> <td style="text-align: center;">3</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>CHEM 202</td> <td style="text-align: center;">3</td> <td style="text-align: center;">_____</td> </tr> </tbody> </table>		CR	GD	* AN SC 201	4	_____	* AN SC 207 & 208	3	_____	AN SC 290W	1	_____	* AN SC 300 GN	3	_____	* AN SC 301	3	_____	BMB 211	3	_____	CHEM 202	3	_____	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">CR</th> <th style="text-align: center;">GD</th> </tr> </thead> <tbody> <tr> <td>AN SC 423</td> <td style="text-align: center;">3</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>AN SC 431W**</td> <td style="text-align: center;">4</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>BIOL 110 GN</td> <td style="text-align: center;">4</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>BMB 212</td> <td style="text-align: center;">1</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>BMB 221</td> <td style="text-align: center;">2</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>CHEM 110 &amp; 111 GN</td> <td style="text-align: center;">4</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>CHEM 112 &amp; 113 GN</td> <td style="text-align: center;">4</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>CHEM 203</td> <td style="text-align: center;">3</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>MICRB 201</td> <td style="text-align: center;">3</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>MICRB 202</td> <td style="text-align: center;">2</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>PHYS 250 GN</td> <td style="text-align: center;">4</td> <td style="text-align: center;">_____</td> </tr> </tbody> </table>		CR	GD	AN SC 423	3	_____	AN SC 431W**	4	_____	BIOL 110 GN	4	_____	BMB 212	1	_____	BMB 221	2	_____	CHEM 110 & 111 GN	4	_____	CHEM 112 & 113 GN	4	_____	CHEM 203	3	_____	MICRB 201	3	_____	MICRB 202	2	_____	PHYS 250 GN	4	_____
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<b>NATURAL SCIENCES (9) GN</b> _____ _____ _____	AG BM 101 GS <i>or</i> ECON 102 GS    3    _____	AGRO 028, SOILS 101 <i>or</i> AN SC 213    3    _____																																																												
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<b>HEALTH &amp; PHYSICAL ACT (3) GHA</b> _____ _____ _____	<b>SUPPORTING COURSES AND RELATED AREAS: (3-5 CREDITS)</b>	<b>SUPPORTING COURSES AND RELATED AREAS (5-7 CREDITS) ***</b>																																																												
<b>▲ ELECTIVES (0-14 CREDITS)</b> _____ _____ _____	<i>Communication Skills<sup>e</sup></i> 3-5    _____	Select 5-7 credits from the    5-7    _____ department list.																																																												
<b>▲ Must include 3 credits of U.S. (US) and 3 credits of International (IL) Cultures</b>	* A grade of C or higher must be obtained to graduate – Policy 82-44.  ** Writing across the curriculum designation. Required to complete 3 credits <i>within the College</i>	*** Courses that fulfill major requirements do not count in this area.																																																												

## Animal Sciences Major Science Option Supporting Courses

Select 5-7 additional credits from the following list. Courses that fulfill major requirements or the additional production course for the option cannot count as a supporting course.

### Science Selections:

Course (credits)	Title	Semester Offered
AN SC 405 (3)	Advanced Canine Nutrition and Management	Fall
AN SC 407 (3)	Advanced Horse Management	Spring
AN SC 410 (4)	Advanced Dairy Herd Management	Fall
AN SC 413 (3)	Transgenic Biology	Spring
AN SC 418 (3)	Nutrient Management in Agricultural Systems	Fall
AN SC 419W (3)	Applied Animal Welfare	Fall
AN SC 420 (4)	Animal Nutrition and Feed Technology	Spring
AN SC 425 (3)	Principles of Avian Diseases	Spring
AN SC 427 (3)	Milk Secretion	Spring
AN SC 432 (2)	Techniques in Cattle Reproduction	Fall
AN SC 450 (3)	Dairy Farm Management Systems	Spring
AN SC 457 (3)	Equine Reproduction and Breeding Farm Management	Fall
AN SC 467 (3)	Equine Nutrition and Feeding	Fall
FD SC 408 (2)	Food Microbiology	Fall
FD SC 409W (3)	Laboratory in Food Microbiology	Fall
FD SC 415 (3)	Science and Technology of Muscle Foods	Spring
VB SC 402W (3)	Biology of Animal Parasites	Spring
VB SC 405 (3)	Laboratory Animal Science	Spring
VB SC 420 (3)	General Animal Pathology	Fall
VB SC 423W (3)	Pathology of Nutritional and Metabolic Diseases	Spring
WFS 407 (3)	Ornithology	Spring
WFS 408 (3)	Mammalogy	Spring
WFS 430 (3)	Conservation Biology	Fall
WFS 447W (3)	Wildlife Management	Fall
WFS 460 (3)	Wildlife Behavior	Spring