

**B.S. Degree in Animal and Veterinary Sciences  
SCHEDULE OF COURSES (120 credits) Effective Fall 2016**

	<u>Credits</u>		<u>Credits</u>
<b>FALL 1<sup>st</sup> year</b>		<b>SPRING 1<sup>st</sup> year</b>	
AVS 145 - Animal Science	4	BIO 200 - Biology of Organisms	4
BIO 100 - Basic Biology	4	CHY 122/124 - Molec Basis of Chem/Lab	4
CHY 121/123 - Intro to Chemistry/Lab	4	ENG 101 - College Composition	3
MAT 122 - Pre-Calculus	4	STS 232 - Prin of Statistical Inference	3
NFA 117 - Issues and Opportunities	<u>1</u>	HUM/SOC Gen Ed	<u>3</u>
	17		17
<b>FALL ** 2<sup>nd</sup> year**</b>		<b>SPRING ** 2<sup>nd</sup> year**</b>	
AVS 249 - Lab/Comp Animal Science	2	CMJ 103 - Fund of Public Communication	3
AVS 346 - Dairy Cattle Technology	3	ECO 254 - Small Business Econ/Mgmt	3
AVS 303 - Equine Mgmt Co-op	2	AVS 303 - Equine Mgmt Co-op	2
<b>or</b>		<b>or</b>	
AVS 347 - Dairy Cattle Tech Lab	2	AVS 347 - Dairy Cattle Tech Lab	2
BIO 377 - Medical Physiology	3	Career Enhancement Elective	<u>3</u>
Career Enhancement Elective	<u>3</u>		11
	13		
<b>FALL ** 3<sup>rd</sup> year**</b>		<b>SPRING ** 3<sup>rd</sup> year**</b>	
AVS 455 - Animal Nutrition	4	Ethics Gen Ed	3
ENG 315 - Research Writing in Discipline	3	AVS 437 - Animal Diseases	3
<b>or</b>		BIO 350 - Concepts and Appl of Genetics	3
ENG 317 - Business/Technical Writing	3	Career Enhancement Elective	<u>3</u>
Career Enhancement Elective	3		12
HUM/SOC Gen Ed	<u>3</u>		
	13		
<b>FALL ** 4<sup>th</sup> year**</b>		<b>SPRING ** 4<sup>th</sup> year**</b>	
AVS 401 - Senior Paper I	2	AVS 402 - Senior Paper II	2
AVS 480 - Physiology of Reproduction	3	AVS 466 - Livestock Feeds and Feeding	2
Career Enhancement Elective	3	Career Enhancement Elective	3
HUM/SOC Gen Ed	<u>6</u>	HUM/SOC Gen Ed	3
	14	General Elective	<u>3</u>
		13	
		<b>Total 110 credits</b>	

**\*\*Complete during 2<sup>nd</sup> to 4<sup>th</sup> years (S = Spring; F = Fall; B = Both semesters)\*\***

**Non-Ruminant Species (choose at least 3 credits):** AVS 196 (B), AVS 203 (S), AVS 211 (F), or AVS 253 (B). 3

**Career-Related Experience (choose at least 4 credits):** AVS 371 (B), AVS 396 (B) or AVS 397 (B). 4

**Advanced Topics (choose at least 3 credits):** AVS 353 (S), AVS 393 (F), AVS 405 (S) or AVS 433 (S). 3  
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**Total 120 credits**

**HUM/SOC Gen Ed** - Human Values and Social Contexts General Education requirements- minimum of 18 credits (courses must include all five of the following categories, which is at least 3 credits from each: Western Cultural Tradition, Social Contexts and Institutions, Cultural Diversity and International Perspectives, Population and the Environment, and Artistic and Creative Expression).

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**Career Enhancement Electives** - With the aid of their academic advisor, the student selects 18 credits of elective classes, or a minor program of study, that will help build knowledge and skills in preparation for a future career.

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**Complete during 2<sup>nd</sup> to 4<sup>th</sup> years (S = Spring; F = Fall; B = Both semesters)**

**Non-Ruminant Species** (choose **at least 3 credits**):

AVS 196 (B) - Introduction to Equine Cooperative (1 cr.)

AVS 203 (S) - Equine Management (3 cr.)

AVS 211 (F) - Introduction to Aquaculture (3 cr.).

AVS 253 (B) - Principles of Western Riding (3cr.)

**Career-Related Experience** (choose **at least 4 credits**):

AVS 371 (B) - University Dairy Cooperative (4 cr.)

AVS 396 (B) - Field Experience in Animal and Veterinary Science (1-4 cr.)

AVS 397 (B) - Equine Internship (1-4 cr.)

- ✓ *AVS 371 provides the student an opportunity to gain experience in dairy management.*
- ✓ *AVS 396 provides the student an opportunity to gain experience in the specific field of animal science that a student wishes to pursue as a career. The student arranges the field experience themselves with assistance from their academic advisor.*
- ✓ *AVS 397 provides students with an interest in equine management the opportunity to gain more experience in this area. For more information contact Dr. Robert Causey.*

**Advanced Topics** (choose **at least 3 credits**):

AVS 353 (S) – Equine Reproduction and Breeding Management (3 cr.)

AVS 393 (F) – Training the Standardbred Horse (3 cr.)

AVS 405 (S) – Livestock and Companion Animal Behavior (3 cr.)

AVS 433 (S) – Equine Exercise Physiology (3 cr.)