

## Animal Sciences

### Animal Enterprises & Production Option – Equine Specialization

1 <sup>st</sup> Fall Semester		1 <sup>st</sup> Spring Semester	
AFE 100 <i>Issues in Agriculture, Food &amp; Environment</i>	3 credits	ASC 102 <i>Introduction to Livestock &amp; Poultry Production</i>	3 credits
ASC 101 <i>Domestic Animal Biology</i>	3 credits	CHE 108 <i>Introduction to Inorganic, Organic &amp; Biochemistry</i>	3 credits
CHE 104 <i>Introduction General Chemistry</i>	3 credits	CIS or WRD 111 <i>Composition &amp; Communication II</i>	3 credits
CIS or WRD 110 <i>Composition &amp; Communication I</i>	3 credits	UK Core Natural, Physical & Mathematical Sciences	3 credits
MA 109 <i>College Algebra</i>	3 credits	UK Core Social Sciences	3 credits
<b>Total:</b>	<b>15 credits</b>	<b>Total:</b>	<b>15 credits</b>
2 <sup>nd</sup> Fall Semester		2 <sup>nd</sup> Spring Semester	
ASC 205 <i>Career Development for Animal Sciences</i>	1 credit	BIO 152 <i>Principles of Biology II</i>	3 credits
BIO 148 <i>Introductory Biology I</i>	3 credits	WRD 203 <i>Business Writing or WRD 204 Technical Writing</i>	3 credits
STA 210 <i>Introduction to Statistical Reasoning</i> or STA 296 <i>Statistical Methods &amp; Motivation</i>	3 credits	<i>Specialty Support Business Elective</i>	3 credits
<i>Specialty Support Business Elective</i>	3 credits	<i>Specialty Support Elective</i>	3 credits
UK Core Arts & Creativity	3 credits	UK Core Humanities	3 credits
UK Core Global Dynamics	3 credits	<b>Total:</b>	<b>15 credits</b>
<b>Total:</b>	<b>16 credits</b>		
3 <sup>rd</sup> Fall Semester		3 <sup>rd</sup> Spring Semester	
ASC 325 <i>Animal Physiology</i>	3 credits	ASC 364 <i>Reproductive Physiology of Farm Animals</i>	4 credits
ASC 362 <i>Animal Breeding &amp; Genetics</i>	4 credits	ASC 380 <i>Applied Animal Nutrition</i>	3 credits
ASC 378 <i>Animal Nutrition</i>	3 credits	ASC <i>Production Course</i>	2-4 credits
<i>Equine Specialization Elective</i>	3 credits	<i>Free Elective</i>	3 credits
<i>Academic Enrichment Experience</i>	1-3 credits	<i>Specialty Support Elective</i>	3 credits
<b>Total:</b>	<b>14-16 credits</b>	<b>Total:</b>	<b>15-17 credits</b>
4 <sup>th</sup> Fall Semester		4 <sup>th</sup> Spring Semester	
ASC <i>Production Course</i>	2-4 credits	ASC 470 <i>Capstone for Animal Agriculture</i>	3 credits
<i>Equine Specialization Elective</i>	3 credits	ASC <i>Production Course</i>	2-4 credits
<i>Free Elective</i>	3 credits	<i>Free Elective</i>	3 credits
<i>Free Elective</i>	3 credits	<i>Free Elective</i>	3 credits
<i>Specialty Support Elective</i>	3 credits	<i>Specialty Support Elective</i>	3 credits
<b>Total:</b>	<b>14-16 credits</b>	<b>Total:</b>	<b>14-16 credits</b>

**Equine Specialization Electives:** ASC 310 *Equine Anatomy*, ASC 311 *Advanced Equine Evaluation*, ASC 320 *Equine Management*, ASC 389 *Applied Equine Nutrition & Feeding*, ASC 410 *Equine Science*

**ASC Production Courses:** ASC 340 *Poultry Science*, ASC 404 *Sheep Science*, ASC 406 *Beef Cattle Science*, ASC 408 *Swine Science*, ASC 410 *Equine Science*, ASC 420 *Dairy Cattle Science*