

**Pre-Professional Option**  
**Four Year Plan of Study - MA 123**  
(Math ACT Score 26 or higher and/or ALEKS Score 61 or higher)

**Fall Year 1**

Course	Hrs.
ASC 101 Domestic Animal Biology	3
CHE 105 General Chemistry I	4
CHE 111 General Chem I Lab	1
CIS or WRD 110 Comp & Comm I	3
AFE 100 Issues in Ag, Food & Environment	3
<b>Total</b>	<b>14</b>

**Spring Year 1**

Course	Hrs.
ASC 102 Introduction to Livestock & Poultry Production <sup>a</sup>	3
CHE 107 General Chemistry II <sup>b</sup>	3
CHE 113 General Chemistry II Lab	2
CIS or WRD 111 Comp & Comm II	3
MA 123 Brief Application of Calculus	4
<b>Total</b>	<b>15</b>

**Fall Year 2**

Course	Hrs.
ASC 205 Career Development for ASC	1
BIO 148 Introduction to Biology I	3
CHE 230 Organic Chem I	3
CHE 231 Organic Chem I Lab	1
UK Core Global Dynamics	3
UK Core Humanities	3
<b>Total</b>	<b>14</b>

**Spring Year 2**

Course	Hrs.
BIO 152 Principles of Biology II <sup>c</sup>	3
CHE 232 Organic Chem II <sup>d</sup>	3
CHE 233 Organic Chem II Lab	1
STA 210 Introduction to Statistical Reasoning or STA 296 Statistical Methods & Motivations	3
WRD 203 Business Writing <sup>a</sup> or WRD 204 Technical Writing	3
UK Core Social Sciences	3
<b>Total</b>	<b>16</b>

**Fall Year 3**

Course	Hrs.
ASC 325 Animal Physiology	3
ASC 378 Animal Nutrition <sup>e</sup>	3
BIO 304 Principles of Genetics	4
UK Core Arts & Creativity	3
Free Elective	3
<b>Total</b>	<b>16</b>

**Spring Year 3**

Course	Hrs.
ASC 362 Animal Breeding & Genetics	4
ASC 364 Reproductive Physiology of Farm Animals	4
PHY 211 General Physics I	5
Free Elective	3
<b>Total</b>	<b>16</b>

**Fall Year 4**

Course	Hrs.
ASC 470 Capstone for Animal Agriculture	3
ASC Production Course	3-4
PHY 213 General Physics II	5
Free Elective	3
<b>Total</b>	<b>14-15</b>

**Spring Year 4**

Course	Hrs.
ASC 380 Applied Animal Nutrition <sup>a</sup>	3
ASC Academic Enrichment Experience <sup>f</sup>	1-3
ASC Production Course	2-3
ASC Production Course	3
Free Elective	3
<b>Total</b>	<b>12-15</b>

Production Courses	Semester
ASC 340 Poultry Production	Spring
ASC 404G Sheep Science	Fall
ASC 406 Beef Cattle Science	Fall
ASC 408G Swine Production	Spring
ASC 410G Equine Science	Spring
ASC 420G Dairy Cattle Science	Fall

**120 hrs. required for graduation**  
**45 hrs. of 300 level or higher required**

<sup>a</sup> Course only offered during spring

<sup>b</sup> C or higher required in CHE 105

<sup>c</sup> C or higher required in BIO 148

<sup>d</sup> C or higher required in CHE 230

<sup>e</sup> Course only offered during fall semesters

<sup>f</sup> Requirement fulfilled via ASC 333

Scholar Teaching Learning ASC, ASC 395  
Special Problems in Animal Sciences, ASC  
399 Experiential Learning in ASC, or EAP  
599 Study Abroad