

**Food Industry Option**  
**Four Year Plan of Study - MA 109**  
(Math ACT Score 21 or higher and/or ALEKS Score 46 or higher)

**Fall Year 1**

Course	Hrs.
ASC 101 Domestic Animal Biology	3
CIS or WRD 110 Comp & Comm I	3
AFE 100 Issues in Ag, Food & Environment	3
MA 109 College Algebra	3
UK Core Humanities	3
<b>Total</b>	<b>15</b>

**Spring Year 1**

Course	Hrs.
ASC 102 Introduction to Livestock & Poultry Production <sup>a</sup>	3
ASC 205 Career Development for ASC	1
CHE 109 General Chemistry IA <sup>b</sup>	4
CIS or WRD 111 Comp & Comm II	3
MA 123 Brief Application of Calculus <sup>c</sup>	4
<b>Total</b>	<b>15</b>

**Fall Year 2**

Course	Hrs.
BIO 148 Introductory Biology I	3
CHE 110 General Chemistry IB <sup>d</sup>	4
CHE 111 General Chemistry I Lab	1
FSC 107 Introduction to Food Science <sup>e</sup>	3
STA 210 Introduction to Statistical Reasoning or STA 296 Statistical Methods & Motivations	3
Free Elective	1
<b>Total</b>	<b>15</b>

**Spring Year 2**

Course	Hrs.
BIO 152 Principles of Biology II <sup>f</sup>	3
CHE 107 General Chemistry II <sup>g</sup>	3
CHE 113 General Chemistry II Lab	2
WRD 203 Business Writing <sup>a</sup> or WRD 204 Technical Writing	3
UK Core Arts & Creativity	3
Free Elective	1
<b>Total</b>	<b>15</b>

**Fall Year 3**

Course	Hrs.
ASC 300 Meat Science <sup>e</sup>	4
ASC 325 Animal Physiology	3
ASC 362 Animal Breeding and Genetics	4
Specialty Support Course <sup>h</sup>	3
<b>Total</b>	<b>14</b>

**Spring Year 3**

Course	Hrs.
ASC 364 Reproductive Physiology of Farm Animals	4
CHE 230 Organic Chemistry I or CHE 236 Survey of Organic Chemistry <sup>a</sup>	3
FSC 304 Animal Food Products <sup>a</sup>	4
UK Core Global Dynamics	3
Specialty Support Course <sup>h</sup>	2
<b>Total</b>	<b>16</b>

**Fall Year 4**

Course	Hrs.
ASC 378 Animal Nutrition <sup>e</sup>	3
ASC 470 Capstone for Animal Agriculture	3
Specialty Support Course <sup>h</sup>	3
UK Core Social Sciences	3
<b>Total</b>	<b>12</b>

**Spring Year 4**

Course	Hrs.
ASC 380 Applied Animal Nutrition <sup>a</sup>	3
ASC Academic Enrichment Experience <sup>i</sup>	3
ASC Production Course	2-3
ASC Production Course	3
ASC Production Course	3
<b>Total</b>	<b>14-15</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> B or higher required in MA 109

<sup>c</sup> C or higher required in MA 109

<sup>d</sup> C or higher required in CHE 109

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

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

<sup>g</sup> C or higher required in CHE 110

<sup>h</sup> Specialty support electives are approved 200 level or higher courses

<sup>i</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