

Animal Industry Option - Equine Specialization
Four Year Plan of Study - MA 111
(Math ACT Score 19 or higher and/or ALEKS Score 30 or higher)

Fall Year 1

Course	Hrs.
ASC 101 Domestic Animal Biology	3
MA 111 Introduction to Contemporary Math	3
CIS or WRD 110 Comp & Comm I	3
AFE 100 Issues in Ag, Food & Environment	3
UK Core Humanities	3
Total	15

Spring Year 1

Course	Hrs.
ASC 102 Introduction to Livestock & Poultry Production ^a	3
ASC 205 Career Development for ASC	1
CIS or WRD 111 Comp & Comm II	3
MA 109 College Algebra ^b	3
UK Core Global Dynamics	3
UK Core Social Sciences	3
Total	16

Fall Year 2

Course	Hrs.
CHE 109 General Chemistry IA ^c	4
MA 123 Brief Application in Calculus ^d	4
UK Core Arts & Creativity	3
Specialty Support Course ^e	3
Free Elective	1
Total	15

Spring Year 2

Course	Hrs.
BIO 148 Introductory Biology I	3
CHE 110 General Chemistry IB ^f	4
CHE 111 General Chemistry I Lab	1
STA 210 Introduction to Statistical Reasoning or STA 296 Statistical Methods & Motivations	3
WRD 203 Business Writing ^a or WRD 204 Technical Writing	3
Total	14

Fall Year 3

Course	Hrs.
ASC 320 Equine Management ^g	3
BIO 152 Principles of Biology II ^h	3
CHE 107 General Chemistry II ⁱ	3
CHE 113 General Chemistry II Lab	2
Free Elective	3
Total	14

Spring Year 3

Course	Hrs.
ASC 310 Equine Anatomy	3
ASC 325 Animal Physiology	3
ASC 362 Animal Breeding and Genetics	4
CHE 230 Organic Chemistry I or CHE 236 Survey of Organic Chemistry ^a	3
Specialty Support Course ^e	3
Total	16

Fall Year 4

Course	Hrs.
ASC 364 Reproductive Physiology of Farm Animals	4
ASC 378 Animal Nutrition ^g	3
ASC 470 Capstone for Animal Agriculture	3
Specialty Support Course ^e	3
Specialty Support Course ^e	3
Total	16

Spring Year 4

Course	Hrs.
ASC 380 Applied Animal Nutrition ^a	3
ASC 410G Equine Science ^a	3
ASC Academic Enrichment Experience ⁱ	3
ASC Production Course	2-3
ASC Production Course	3
Total	14-15

Production Electives	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

^a Course only offered during spring semesters

^b B or higher required in MA 111

^c B or higher required in MA 109

^d C or higher required in MA 109

^e Specialty support electives are approved 200 level or higher courses

^f C or higher required in CHE 109

^g Course only offered during fall semesters

^h C or higher required in BIO 148

ⁱ C or higher required in CHE 110

^j 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