

Animal Sciences

Pre-Professional Option – Starting in CHE 105

1st Fall Semester

AFE 100 <i>Issues in Agriculture, Food & Environment</i>	3 credits
ASC 101 <i>Domestic Animal Biology</i>	3 credits
CHE 105 <i>General Chemistry I</i>	4 credits
CHE 111 <i>General Chemistry I Lab</i>	1 credit
MA 109 <i>College Algebra</i>	3 credits
Total:	14 credits

1st Spring Semester

ASC 102 <i>Introduction to Livestock & Poultry Production</i>	3 credits
CHE 107 <i>General Chemistry II</i>	3 credits
CHE 113 <i>General Chemistry II Lab</i>	2 credits
CIS or WRD 110 <i>Composition & Communication I</i>	3 credits
UK Core Social Sciences	3 credits
Total:	14 credits

2nd Fall Semester

ASC 205 <i>Career Development for Animal Sciences</i>	1 credit
BIO 148 <i>Introductory Biology I</i>	3 credits
CHE 230 <i>Organic Chemistry I</i>	3 credits
CHE 231 <i>Organic Chemistry I Lab</i>	1 credit
CIS or WRD 111 <i>Composition & Communication II</i>	3 credits
UK Core Global Dynamics	3 credits
Total:	14 credits

2nd Spring Semester

BIO 152 <i>Principles of Biology II</i>	3 credits
CHE 232 <i>Organic Chemistry II</i>	3 credits
CHE 233 <i>Organic Chemistry II Lab</i>	1 credit
WRD 203 <i>Business Writing</i> or WRD 204 <i>Technical Writing</i>	3 credits
UK Core Arts & Creativity	3 credits
UK Core Humanities	3 credits
Total:	16 credits

3rd Fall Semester

ASC 325 <i>Animal Physiology</i>	3 credits
ASC 378 <i>Animal Nutrition</i>	3 credits
BIO 304 <i>Principles of Genetics</i>	4 credits
PHY 211 <i>General Physics</i>	5 credits
Total:	15 credits

3rd Spring Semester

ASC 362 <i>Animal Breeding & Genetics</i>	4 credits
ASC 364 <i>Reproductive Physiology of Farm Animals</i>	4 credits
STA 210 <i>Introduction to Statistical Reasoning</i> or STA 296 <i>Statistical Methods & Motivation</i>	3 credits
Specialty Support Elective	3-5 credits
Total:	14-16 credits

4th Fall Semester

ASC 470 <i>Capstone for Animal Agriculture</i>	3 credits
ASC Production Course	3-4 credits
Academic Enrichment Experience	1-3 credits
Free Elective	3 credits
Free Elective	3 credits
Total:	13-16 credits

4th Spring Semester

ASC 380 <i>Applied Animal Nutrition</i>	3 credits
ASC Production Course	3-4 credits
ASC Production Course	3-4 credits
Free Elective	3 credits
Free Elective	3 credits
Total:	15-17 credits

Specialty Support Electives: BCH 401G *Fundamentals of Biochemistry*, BIO 308/309 *General Microbiology & Lab*, BIO 315 *Introduction to Cell Biology*, PHY 213 *General Physics II*

ASC Production Courses: ASC 404 *Sheep Science*, ASC 406 *Beef Cattle Science*, ASC 408 *Swine Science*, ASC 410 *Equine Science*, ASC 420 *Dairy Cattle Science*, ASC 440 *Poultry Science*