# Pre-Professional Option
# 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 Contempoarary 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 |
| PHY 211 General Physics I | 5 |
| UK Core Arts & Creativity | 3 |
| **Total** | **16** |

**Spring Year 2**

| Course | Hrs. |
|---|---|
| BIO 148 Introductory Biology I | 3 |
| CHE 110 General Chemistry IB[e] | 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** | **15** |

**Fall Year 3**

| Course | Hrs. |
|---|---|
| BIO 152 Principles of Biology II[f] | 3 |
| CHE 107 General Chemistry II[g] | 3 |
| CHE 113 General Chemistry II Lab | 2 |
| PHY 213 General Physics II | 5 |
| Free Elective | 3 |
| **Total** | **16** |

**Spring Year 3**

| Course | Hrs. |
|---|---|
| ASC 362 Animal Breeding & Genetics | 4 |
| BIO 304 Principles of Genetics | 4 |
| CHE 230 Organic Chemistry I | 3 |
| CHE 231 Organic Chemistry I Lab | 1 |
| Free Elective | 3 |
| **Total** | **15** |

**Fall Year 4**

| Course | Hrs. |
|---|---|
| ASC 325 Animal Physiology | 3 |
| ASC 364 Reproductive Physiology of Farm Animals | 4 |
| ASC 378 Animal Nutrition[h] | 3 |
| ASC Academic Enrichment Experience[i] | 3 |
| CHE 232 Organic Chemistry II[j] | 3 |
| CHE 233 Organic Chemistry II Lab | 1 |
| **Total** | **17** |

**Spring Year 4**

| Course | Hrs. |
|---|---|
| ASC 380 Applied Animal Nutrition[a] | 3 |
| ASC 470 Capstone for Animal Agriculture | 3 |
| ASC Production Course | 2 |
| ASC Production Course | 3 |
| ASC Production Course | 3 |
| **Total** | **14** |

| 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 |

[a] Course only offered during spring
[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] C or higher required in CHE 109
[f] C or higher required in BIO 148
[g] C or higher required in CHE 110
[h] Course only offered during fall semesters
[i] 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
[j] C or higher required in CHE 230

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

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