

**Eight-Semester Degree Plan**

**Bachelor of Science in Agriculture**

**Major in Animal Science**

**Emphasis in Pre-Veterinary Medicine**

**2020-2021**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Year 1** | | | | | | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
| ANSC 1613/1621 | Intro to Animal Science/ Lab | 4 |  |  | AGEC 1003 | Intro to AgriBusiness | 3 |  |
| ENG 1003 | Composition I | 3 | x |  | ENG 1013 | Composition II | 3 | x |
| AGRI 1213 | Making Connections in Agriculture | 3 |  |  | MATH 1033 or 1054 | Plane Trigonometry or PreCalculus | 3 or 4 | x |
| MATH 1023 | College Algebra | 3 | x |  | BIOL 1003/1001 | Biological Science/ Lab | 4 | x |
| COMS 1203 | Oral Communication | 3 | x |  | ART / MUS/ THEA 2503 | Choose 1: Fine Arts: Visual/ Music/ Theater | 3 | x |
|  |  |  |  |  |  |  |  |  |
| **Total Hours:** | | 16 | |  | **Total Hours**: | | 16-17 | |
|  | | | | | | | | |
| **Year 2** | | | | | | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
| ECON 2313 or 2333 | Macroeconomics or Economic Concepts in issues | 3 | x |  | HIST 2763/2773 or POSC 2103 | US History to 1876/ since 1876 or Intro to US Government | 3 | x |
| ENG 2003/2013 or PHIL 1303 | World Literature to/ since 1660 or Intro to Philosophy | 3 | x |  | PSSC 1303 | Intro to Plant Science | 3 |  |
| CHEM 1013/ 1011 | General Chem I/ Lab | 4 | x |  | AGRI 2213 or \*BIO 3013 | Genetic Improvement or \*Genetics prereq BIO 2013/2011 Biology of the cell & lab | 3 |  |
| HIST 1013/1023; SOC 2013; POSC 1003; GEO2613; CMAC 1003 | Choose one: World Civ to/ since 1660; Intro to sociology; Intro to Psychology; Intro to Politics; Intro to Geography; Intro to Mass Communication | 3 | x |  | CHEM 1023/1021 | General Chemistry II/ lab | 4 |  |
| AGST 2003 | Intro to Ag Systems | 3 |  |  | Free Elective | Free Elective | 2 |  |
|  |  |  |  |  |  |  |  |  |
| **Total Hours:** | | 16 | |  | **Total Hours**: | | 15 | |
|  | | | | | | | | |
| **Year 3** | | | | | | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
| ANSC 3633 | Vet Anatomy and Physiology | 3 |  |  | ANSC Elective | Upper level ANSC Elective | 3 |  |
| STAT 3233 | Applied Statistics | 3 |  |  | AGRI 4723 or AGRI 420V | Ag Connections or Internship in Agriculture | 3 |  |
| ANSC 3613 | Nutritional Management Domestic Animals | 3 |  |  | ANSC 4673 | Digestive Physiology | 3 |  |
| CHEM 3103/3101 | Organic Chemistry I & Lab | 4 |  |  | CHEM 3113/3111 | Organic Chemistry II& Lab | 4 |  |
| PHYS 2054 | General Physics I | 4 |  |  | PHYS 2064 | General Physics II | 4 |  |
|  |  |  |  |  |  |  |  |  |
| **Total Hours:** | | 17 | |  | **Total Hours**: | | 17 | |
|  | |  | |  |  | |  | |
|  | |  | |  |  | |  | |
| **Year 4** | | | | | | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
| BIO 2103/2101 or \*BIO 4104 | Microbiology for Nursing/ lab or \*Microbiology prereq BIO 2013/2011 Biology of the cell & lab | 4 |  |  | ANSC 4683 | Reproductive Physiology | 3 |  |
| ANSC Elective | Upper level ANSC elective | 3 |  |  | CHEM 4243 | Biochemistry | 3 |  |
| AGRI 3813 | AG Biosystems | 3 |  |  | ANSC Elective | Upper level ANSC elective | 3 |  |
| Free Elective | Consult Advisor | 3 |  |  | AGRI 3823 | AG Biosystems | 3 |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **Total Hours:** | | 13 | |  | **Total Hours**: | | 12 | |
| **Total Upper-Level Hours:** | | 45 | |  | **Total Degree Hours**: | | 120 | |

Students requiring developmental course work based on low entrance exam scores (ACT, SAT, ASSET, COMPASS) may not be able to complete this program of study in eight (8) semesters. Developmental courses do not count toward total degree hours. Students having completed college level courses prior to enrollment will be assisted by their advisor in making appropriate substitutions.  In most cases, general education courses may be interchanged between semesters. A minimum of 45 hours of upper-level credit (3000-4000 level) is required for this degree. Mandatory state and institutional assessment exams will be required during your degree program. Failure to participate in required assessments may delay graduation.

**Additional Graduation Requirements**:

**2020-2021 BACHELORS OF SCIENCE AGRICULTURE DEGREES**

*For a more detailed outline of all academic requirements and regulations for the Bachelors of Science in Agriculture degrees, please see the 2020-2021 Undergraduate Bulletin.*

1. At least 120 credit hours

2. 45 hours of upper level (JR/SR) credit

3. Completed all required and elective hours

4. Maintain a minimum 2.0 GPA in all sections of the degree course work

a. General Education

b. Ag Core

c. Major Requirements

d. Program Emphasis Requirements

e. Free Electives

5. Minimum overall 2.0 GPA (including A-State and Transfer hours)