

**Eight-Semester Degree Plan**

**Bachelor of Science in Agriculture**

**Major in Agricultural Studies**

**Emphasis in Agricultural Systems Technology**

**2020-2021**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Year 1** | | | | | | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
| ENG 1003 | Comp I | 3 | x |  | ENG 1013 | Comp II | 3 | x |
| HIST 2763/2773 or  POSC 2103 | US History to/since 1876 or  Intro to US Government | 3 | x |  | COMS 1203 | Oral Communication | 3 | x |
| AGRI 1213 | Making Connections in Agriculture | 3 | x |  | MATH 1023 | College Algebra | 3 | x |
| PSSC 1303 | Intro to Plant Science; | 3 |  |  | CIT 1503 or  CS 1013 | Microcomputer Applications or  Introduction to Computers Applications | 3 |  |
| ART 2503;  MUS 2503;  TEHA 2503 | Choose 1 Fine Arts:  Fine Arts – Visual;  Fine Arts – Music;  Fine Arts - Theater | 3 | x |  | CHEM 1013/1011;  CHEM 1043/1041 | General Chemistry I and Laboratory or  Fund. Concepts of Chemistry | 4 | x |
| **Total Hours:** | | 15 | |  | **Total Hours:** | | 16 | |
|  | | | | | | | | |
| **Year 2** | | | | | | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
| Gen Ed Social Science\* HIST 1013/1023;  SOC 2213;  PSY 2013;  POSC 1003;  CMAC 1003 | Choose one:  World Civ. to or since 1660;  Intro to Sociology;  Intro to Psychology;  Intro to Politics;  Intro to Mass Communication | 3 | x |  | Gen Ed Social Science\* HIST 1013/1023;  SOC 2213;  PSY 2013;  POSC 1003;  CMAC 1003 | Choose one:  World Civ. to or since 1660;  Intro to Sociology;  Intro to Psychology;  Intro to Politics;  Intro to Mass Communication | 3 | x |
| AGST 2003 | Intro to Ag Systems | 3 |  |  | ENG 2003/2013 or PHIL 1013 | World Literature to/ since 1660 or  Intro to Philosophy | 3 | x |
| AGEC 1003 | Intro to Agribusiness | 3 |  |  | BIO 1503/ 1501; GEOL 1003/ 1001;  PHSC 1014;  PHSC 1203/ 1201;  PHYS 1103/ 1101;  PHYS 2054 | Choose one:  Biology of Plants and Laboratory;  Environmental Geology and Laboratory;  Energy and the Environment;  Physical Science and Laboratory;  Intro to Space Science and Laboratory;  General Physics I | 4 |  |
| MATH 1033 | Plane Trigonometry | 3 |  |  | PSSC 2813 | Soils | 3 |  |
| BIOL 1003/1001 | Biological Science/ lab | 4 | x |  | GEO 2613; | Introduction to Geography | 3 |  |
| **Total Hours:** | | 16 | |  | **Total Hours**: | | 16 | |

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| **Year 3** | | | | | | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
| BIO 3023; GEOG 3723;  GEOG 4113;  GEOG 4633 | Choose one:  Principles of Ecology;  Intro to Physical Geography, Weather & Climate;  Water Resources Planning;  Climatology | 3 |  |  | PSSC 3313; PSSC 3323;  PSSC 4813 | Choose one:  Plant Disease Management;  Weeds and Weed Control;  Soil Fertility | 3 |  |
| AGST 3543 | Fundamentals of GIS/GPS | 3 |  |  | AGST 4003 | Modern Irrigation Systems | 3 |  |
| AGRI 3813 | AG Biosystems I | 3 |  |  | AGST 4543 | Advanced Geographic Information Systems | 3 |  |
| AGST 3503 | Geospatial Data Applications | 3 |  |  | TECH 3803 | Electrical Systems | 3 |  |
| PSSC 4713 or PSSC 4804 | Soil Quality Assessment & Interpretation or  Principles of Crop Production | 3 or 4 |  |  | STAT 3233 | Applied Stats | 3 |  |
| **Total Hours:** | | 15 or 16 | |  | **Total Hours:** | | 15 | |
|  | | | | | | | | |
| **Year 4** | | | | | | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
| AGST 4773 | Remote Sensing | 3 |  |  | AGST 4843 | Agricultural Systems Technology Capstone | 3 |  |
| AGST 4022 | Irrigation Technology Tools | 2 |  |  | AGRI 4223 | Ag and the Environment | 3 |  |
| AGST 4501 or AGST 4511 | Agricultural Decision Analysis or  Unmanned Aircraft Systems | 1 |  |  | AGRI 3823 | AG Biosystems II | 3 |  |
| AGRI 4723  AGRI 420V(3) | AG Connections or  Internships in Agriculture | 3 |  |  | Upper Level Elective | Upper Level Elective in:  AGEC, AGST, AGRI, PSSC. | 3 |  |
| Upper Level Elective | Upper Level Elective in:  AGEC, AGST, AGRI, PSSC. | 3 |  |  |  |  |  |  |
| Upper Level Elective | Upper Level Elective in:  AGEC, AGST, AGRI, PSSC. | 3 |  |  |  |  |  |  |
| **Total Hours:** | | 15 | |  | **Total Hours:** | | 12 | |
| **Total Upper-Level Hours:** | | 57 | |  | **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)