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| **Arkansas State University - Jonesboro** | | | | | | | | |
| **Bachelor of Science Agriculture** | | | | | | | | |
| **Major:  Plant and Soil Science Emphasis: Science and Research** | | | | | | | | |
| **2013-14** | | | | | | | | |
| 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 division 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.*** | | | | | | | | |
| **Year 1** | | | |  | **Year 1** | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
| ENG 1003 | Composition I | 3 | x |  | ENG 1013 | Composition II | 3 | x |
| MATH 1023 | College Algebra | 3 | x |  | SCOM 1203 | Oral Communications | 3 | x |
| AGRI 1213 | Making Connections | 3 |  |  | CHEM 1013 and 1011 | General Chemistry I and Lab | 4 | x |
| PSSC 1303 | Intro Plant Science | 3 |  |  |  |  |  |  |
| HIST 2763 or 2773 or POSC 2103 | US History to 1876 or since 1876 Intro to US Government | 3 | x |  | MUS/THEA/ART 2503 | Fine Arts – Musical/Theatre/ Art | 3 | x |
|  |  |  |  |  | HIST 1013/1023; SOC 2213; PSY 2013; POSC 1003; GEO 2613; JOUR 1003 | Choose one: World Civ. to or since 1660; Intro to Sociology; Intro to Psychology; Intro to Politics; Intro to Geography; Intro to Mass Communication | 3 | x |
| **Total Hours** |  | 15 |  |  | **Total Hours** |  | 16 |  |
| **Year 2** | | | |  | **Year 2** | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
| ANSC 1613 | Intro to Animal Science | 3 |  |  | AGEC 1003 | Intro to Ag Business | 3 |  |
| AGRI 3233 or ECON 2113 or STAT 3233 | Applied Ag Stat or Bus Statistics or Statistics | 3 |  |  | PSSC 1301 | Plant Science Lab | 1 |  |
| ENG 2003 or 2013; PHIL 1103 | Intro to Lit I or II; Intro to Philosophy | 3 | x |  | PSSC 2813 and 2811 | Soils and Soils Lab | 4 |  |
| CHEM 1023 and 1021 | General Chemistry II and Lab | 4 |  |  | MATH 2204 or MATH 2194 or AGRI 4233 | Calculus or Survey of Calculus or Experimental Ag Stat | 3-4 |  |
| BIO 1503 | Biology of Plants | 3 |  |  | BIO 1003/1001 | Biological Science | 4 | x |
| **Total Hours** |  | 16 |  |  | **Total Hours** |  | 15-16 |  |

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| **Year 3** | | | |  | **Year 3** | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
| AGRI 2213 | Genetic Improvements of Plants and Animals | 3 |  |  | BIO 3303 and 3301 OR 3313 and 3311 | General Entomology and Lab OR Economic Entomology and Lab | 4 |  |
| HIST 1013/1023; SOC 2213; PSY 2013; POSC 1003; GEO 2613; JOUR 1003 | Choose one: World Civ. to or since 1660; Intro to Sociology; Intro to Psychology; Intro to Politics; Intro to Geography; Intro to Mass Communication | 3 | x |  | AGEC 3013 or CIT 1503 | Computerized Ag Records or Microcomputer Applications | 3 |  |
| Elective | Must be Jr/Sr level course within the college-consult your advisor | 2 |  |  | PSSC or HORT electives | Consult your advisor | 4 |  |
| CHEM 3103 and 3101 | Organic Chemistry I and Lab | 4 |  |  | CHEM 3113 or 3111 | Organic Chemistry II and Lab | 4 |  |
| Ag Core Electives | See List at End of Plan | 3 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **Total Hours** |  | 15 |  |  | **Total Hours** |  | 15 |  |
|  |  |  |  |  |  |  |  |  |
| **Year 4** | | | |  | **Year 4** | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
| AGRI 3723 | Agricultural Connections: Technical Interpretation and Professional Applications | 3 |  |  | PSSC 3313 | Plant Disease Management | 3 |  |
| PSSC 4313 | Plant Growth and Development | 3 |  |  | PSSC or HORT electives | Consult your advisor | 0-1 |  |
| PSSC or HORT electives | Consult your advisor | 6 |  |  | Elective | Must be Jr/Sr level course within the college-consult your advisor | 5 |  |
| CHEM 4243 | Biochemistry | 3 |  |  | AGRI 4223 | Agriculture and the Environment | 3 |  |
|  |  |  |  |  | BIO 1501 | Biology of Plants Lab | 1 |  |
| **Total Hours** |  | 15 |  |  | **Total Hours** |  | 12-13 |  |
|  |  |  |  |  |  |  |  |  |
| **Total Jr/Sr Hours** | | **45** |  |  | **Total Degree Hours** | | **120** |  |
|  |  |  |  |  |  |  |  |  |

**Other Graduation Requirements for BSA**

1. 2.00 GPA in Major

2. 2.00 Cumulative GPA

3. 120 total credit hours required

4. Minimum of 45 JR/SR Hours ***after completing 30 hours***

5. 18 of last 24 hours must be from ASU-Jonesboro courses

6. Minimum of 57 hours from 4-year institutions

7. Minimum of 32 Resident Hours if completing second degree & first degree not from ASU-J

8. Maximum of 31 hours via correspondence, extension, examination, PLA, Military or similar means

9. 30 hours maximum CLEP

**Ag Core Electives:** AGED 3453 Ag Structural Systems, AGED 445V Practicum in Ag Communications, AGED 4473 International Ag Study Tour, AGRI 2213 Gen Imp of Plants and Animals, BIO 3013 Genetics, FDST 2203 Intro to Food Science, PSSC 3503 Ag Spatial Technologies, TECH 2453 Solid Works I, TECH 3863 Industrial Safety, TECH 4823 Quality Assurance