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| **Arkansas State University - Jonesboro** | | | | | | | | |
| **Bachelor of Science in Agriculture** | | | | | | | | |
| **Major:  Animal Science, Emphasis: Pre-Veterinary Medicine** | | | | | | | | |
| **2013-2014** | | | | | | | | |
| 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** |
| ANSC 1613 | Intro. Animal Science | 3 |  |  | AGEC 1003 | Intro. Agri. Business | 3 |  |
| ANSC 1621 | Lab for Intro Animal Science | 1 |  |  | PSSC 1303 | Intro. Plant Science | 3 |  |
| AGRI 1213 | Making Connections | 3 |  |  | ENG 1013 | Composition II | 3 | x |
| ENG 1003 | Composition I | 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 |
| MATH 1023 | College Algebra | 3 | x |  | MATH 1033 or 1054 | Plane Trigonometry or Precalculus | 3-4 |  |  |
| ART/MUS/THEA 2503 | Fine Arts Visual, Music or Theater | 3 | x |  |  |  |  |  |
| **Total Hours** |  | 16 |  |  | **Total Hours** |  | 15-16 |  |
| **Year 2** | | | |  | **Year 2** | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
| ECON 2313 or 2333 | Prin. Macroeconomics or Economic Issues and Concepts | 3 | x |  | HIST 2763 or 2773 or POSC 2103 | US History to 1876/since 1876 or Intro to US Government | 3 | x |
| CHEM 1013/1011 or CHEM 1043/1041 | Gen. Chem.I/Lab or Fundamental Concepts of Chemistry/Lab (consult your advisor) | 4 | x |  | BIO 2013/1011 or BIO 1303/1301 | Biology of the Cell/Lab or Biology of Animals/Lab (consult your advisor) | 4 | x |
| SCOM 1203 | Oral Communication | 3 | x |  | PSSC 2813 | Soils | 3 | x |
| ANSC 3633 | Vet. Anatomy and Phys. | 3 |  |  | CHEM 1023/1021 or CHEM 1052 | Gen. Chem II/Lab or Fundamental Concepts of Chemistry II (consult your advisor) | 2-4 |  |
| ENG 2003 or 2013 or PHIL 1303 | Intro to Lit I or II or Intro to Philosophy | 3 |  |  | Elective | Depends on course selection-CONSULT YOUR ADVISOR | 1 |  |
|  |  |  |  |  |  |  |  |  |
| **Total Hours** |  | 16 |  |  | **Total Hours** |  | 13-15 |  |
| **Year 3** | | | |  | **Year 3** | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
| ANSC 3613 | Nutritional Mgmt. of Animals | 3 |  |  | ANSC 4673 | Dig. Physiology Anim. | 3 |  |
| ANSC (upper-level) | See list at end of this plan and consult your advisor | 3 |  |  | ANSC (upper-level) | See list at end of this plan and consult your advisor | 3 |  |
| CHEM 3103/3101 | Organic Chem. I and Lab | 4 |  |  | PHYS 2064 | Physics II | 4 |  |
| PHYS 2054 | Physics I | 4 |  |  | AGRI 2213 or BIO 3013 | Genetic Improvement of Plant and Animals or Genetics | 3 |  |
| Elective | Consult your advisor | 1 |  |  | AGRI 3723 or STAT 3233 or ECON 2113 | Statistics course | 3 |  |
|  |  |  |  |  |  |  |  |  |
| **Total Hours** |  | 15 |  |  | **Total Hours** |  | 16 |  |
|  |  |  |  |  |  |  |  |  |
| **Year 4** | | | |  | **Year 4** | | | |
| **Fall Semester** | | | |  | **Spring Semester** | | | |
| **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |  | **Course No.** | **Course Name** | **Hrs** | **Gen Ed** |
| BIO 4104 or BIO 2103/2101 | Microbiology or Microbiology for Nursing/Lab | 4 |  |  | ANSC (upper-level) | See list at end of this plan and consult your advisor | 3 |  |
| Electives | Consult advisor | 8 |  |  | ANSC 4683 | Theriogenology | 3 |  |
| ANSC (upper-level) | See list at end of this plan and consult your advisor | 3 |  |  | AGRI 3723 | Ag. Connections | 3 |  |
|  |  |  |  |  | CHEM 4243 | Biochemistry | 3 |  |
|  |  |  |  |  | AGRI Core Elective (Upper-level) | See Agri. Core electives listed at end of this plan and consult your advisor | 3 |  |
| **Total Hours** |  | 15 |  |  | **Total Hours** |  | 15 |  |
|  |  |  |  |  |  |  |  |  |
| **Total Jr/Sr Hours** | | **45** |  |  | **Total Degree Hours** | | 120 |  |
|  |  |  |  |  |  |  |  |  |

**Note the following additional requirements for a baccalaureate degree:**

**- Must have a minimum of 32 semester hours through the ASU-Jonesboro campus.   
- Must have a minimum of 45 semester hours of junior-senior level courses after earning 30 degree credit hours. (UPPER-LEVEL COURSES COMPLETED BY A STUDENT BEFORE HE/SHE HAS EARNED 30 DEGREE-CREDIT HOURS CANNOT BE COUNTED AS JUNIOR-SENIOR CREDIT.)   
- Eighteen (18) of the last 24 semester hours must be Arkansas State University work.   
- Must satisfy other General Requirements for Baccalaureate degrees**

**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

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| \*\*SELECT FOUR OF THE FOLLOWING: | |  |
| ANSC 3203 | Small Animal Care and Management | ANSC 4613 Horse Production |
| ANSC 3653 | Meat Science and Processing | ANSC 4623 Beef Production |
| ANSC 3663 | Sheep Production |  |