Arkansas State University –Jonesboro

Bachelor of Science Agriculture

**Major: Animal Science**

**Emphasis: Production and Management**

2016-2017

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| 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 who have 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. Anim. Sci. | 3 |  | AGEC 1003 | Intro Agricultural Business | 3 |  |
| ANSC 1621 | Lab. Intro. Anim. Sci. | 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 2013; PSY 2013; POSC 1003; GEO 2613; JOURN 1003 | Choose: 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 | BIOL XXX3/XXX1  | Gen Ed Biology/Lab | 4 | X |
| Electives | Consult your advisor | 3 |  |  |  |  |  |
| **Total Hours** |  | **16** |  | **Total Hours** |  | **16** |  |

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| **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, Intro to US Government | 3 | X |
| CHEM 1013/1011 or CHEM 1043/1041 | Gen Chem I/Lab or Fund Concepts of Chem/Lab (consult your advisor) | 4 | X | ART/MUS/THEA 2503 | Fine Arts Visual, Music, or Theater | 3 | X |
| ENG 2003 or 2013 or PHIL 1303 | Intro to Lit I or II or Intro to Philosophy | 3 | X | PSSC 2813 | Soils | 3 |  |
| ANSC 3633 | Vet Anatomy and Physiology | 3 |  | AGRI 3233 or ECON 2113 or STAT 3233 | Applied Ag Stat or Business Stat or Applied Stat | 3 |  |
| SCOM 1203 | Oral Communications | 3 | X | CHEM 1023/1021 or CHEM 1052 | Gen Chem II/Lab or Concepts of Chem II (consult your advisor) | 2-4 | X |
|  |  |  |  |  |  |  |  |
| **Total Hours** |  | **16** |  | **Total Hours** |  | **14-16** |  |

Animal Science – Production and Management Page 2

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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 |
| ANSC 3613 | Nutritional Mgmt of Animals | 3 |  | ANSC 3703 | Poultry Flock Mgmt | 3 |  |
| Electives | Electives - consult your advisor | 3 |  | ANSC 4673 | Dig Physiology of Animals | 3 |  |
| ANSC electives  | Must be upper level | 3 |  | ANSC electives  | Must be upper level | 6 |  |
| AGRI 2213 or BIOL 3013 | Genetic Improvement of Plants and Animals or Genetics | 3 |  | Electives | Electives –consult advisor | 3 |  |
| BIO 2103/2101 | Microbiology for Nursing/Lab | 4 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| **Total Hours** |  | **16** |  | **Total Hours** |  | **15** |  |

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| **Year 4** | **Year 4** |
|  **Fall Semester** | **Spring Semester** |
| Course No. | Course Name | Hrs. | Gen Ed | Course No. | Course Name | Hrs. | Gen Ed |
| ANSC 4663 | Principles of Breeding | 3 |  | AGEC 4073 | Agricultural Business Mgmt | 3 |  |
| ANSC electives  | Must be upper level | 3 |  | ANSC 4683 | Theriogenology | 3 |  |
| Electives | Electives - consult your advisor | 7-9 |  | AGRI 3723 | Agricultural Connections | 3 |  |
|  |  |  |  | Electives-Upper level support | Electives upper level | 6 |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| **Total Hours** |  | **13-15** |  | **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 Arkansas State University – Jonesboro
* Must have a minimum of 45 semester hours of upper-level (junior-senior level) courses after earning 30 degree credits (**UPPER-LEVEL COURSE COMPLETED BY A STUDENT BEFORE HE/SHE HAS EARNED 30 DEGREE-CREDIT HOURS CANNOUT BE COUNTED AS JUNIOR-SENIOR CREDIT**)
* Eighteen (18) of the last twenty-four (24) semester hours must be Arkansas State University-Jonesboro work
* Must satisfy other General Requirements for Baccalaureate degrees

Arkansas State University –Jonesboro

Bachelor of Science Agriculture

**Major: Animal Science**

**Emphasis: Pre-Veterinary Medicine**

2016-2017

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| **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. Anim. Sci. | 3 |  | AGEC 1003 | Intro. Ag. Business | 3 |  |
| ANSC 1621 | Lab. Intro. Anim. Sci. | 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 2013; PSY 2013; POSC 1003; GEO 2613; JOURN 1003 | Choose: 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 | Fine Arts Visual, Music, or Theater | 3 | X |  |  |  |  |
| **Total Hours** |  | **16** |  | **Total Hours** |  | **15-16** |  |

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| **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, Intro to US Government | 3 | X |
| CHEM 1013/1011  | Gen Chem I/Lab | 4 | X | BIOL XXX3/XXX1 | Gen Ed Biology/Lab | 4 | X |
| ENG 2003 or 2013 or PHIL 1303 | Intro to Lit I or II or Intro to Philosophy | 3 | X | AGRI 2213 or BIO 3013 | Genetic Improvement of Plants and Animals or Genetics | 3 |  |
| ANSC 3633 | Vet Anatomy and Physiology | 3 |  | CHEM 1023/1021  | Gen Chem II/Lab | 4 |  |
| SCOM 1203 | Oral Communications | 3 | X | Elective | CONSULT YOUR ADVISOR | 1-3 |  |
|  |  |  |  |  |  |  |  |
| **Total Hours** |  | **16** |  | **Total Hours** |  | **15-17** |  |

Animal Science – Preveterinary Medicine Page 2

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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 |
| ANSC 3613 | Nutritional Mgmt of Animals | 3 |  | ANSC 4673 | Dig Physiology of Animals | 3 |  |
| ANSC electives | Upper Level electives | 3 |  | ANSC electives | Upper Level electives | 3 |  |
| CHEM 3103/3101 | Organic Chem I and Lab | 4 |  | PHYS 2064 | Physics II | 4 |  |
| PHYS 2054 | Physics I | 4 |  | CHEM 3113/3111 | Organic Chem II and Lab |  |  |
|  |  |  |  | AGRI 3233 or STAT 3233 or ECON 2113 | Applied Ag Stat, Applied Stat or Business Stat | 3 |  |
|  |  |  |  |  |  |  |  |
| **Total Hours** |  | **14** |  | **Total Hours** |  | **16** |  |

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| **Year 4** | **Year 4** |
|  **Fall Semester** | **Spring Semester** |
| Course No. | Course Name | Hrs. | Gen Ed | Course No. | Course Name | Hrs. | Gen Ed |
| BIOL 4104 or BIO 2103/2101 | Microbio or Microbiol for Nursing/Lab | 4 |  | ANSC electives | Upper Level electives | 3 |  |
| Electives | Electives (consult your advisor) | 11-12 |  | ANSC 4683 | Theriogenology | 3 |  |
|  |  |  |  | AGRI 3723 | Agricultural Connections | 3 |  |
|  |  |  |  | CHEM 4243 | Biochemistry | 3 |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| **Total Hours** |  | **15-16** |  | **Total Hours** |  | **12** |  |
| **TOTAL JR/SR HOURS = 45** | **TOTAL DEGREE HOURS = 120** |

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* Must have a minimum of 45 semester hours of upper-level (junior-senior level) courses after earning 30 degree credits (**UPPER-LEVEL COURSE COMPLETED BY A STUDENT BEFORE HE/SHE HAS EARNED 30 DEGREE-CREDIT HOURS CANNOUT BE COUNTED AS JUNIOR-SENIOR CREDIT**)
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Arkansas State University –Jonesboro

Bachelor of Science Agriculture

**Major: Animal Science**

**Emphasis: Equine Management**

2016-2017

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|  **Fall Semester** | **Spring Semester** |
| Course No. | Course Name | Hrs. | Gen Ed | Course No. | Course Name | Hrs. | Gen Ed |
| ANSC 1613 | Intro. Anim. Sci. | 3 |  | AGEC 1003 | Intro Agricultural Business | 3 |  |
| ANSC 1621 | Lab. Intro. Anim. Sci. | 1 |  | PSSC 1303 | Intro Plant Science | 3 |  |
| AGRI 1213 | Making Connections | 3 |  | ENG 1013 | Composition II | 3 | X |
| ENG 1003 | Composition I | 3 | X | ANSC 1602 | Beginning Equitation | 2 |  |
| MATH 1023 | College Algebra | 3 | X | BIOL 1003/1001  | Gen Ed Biology/Lab | 4 | X |
| HIST 1013/1023; SOC 2013; PSY 2013; POSC 1003; GEO 2613; JOURN 1003 | Choose: 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** |  | **16** |  | **Total Hours** |  | **15** |  |

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| **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, Intro to US Government | 3 | X |
| CHEM 1013/1011 or CHEM 1043/1041 | Gen Chem I/Lab or Fund Concepts of Chem/Lab (consult your advisor) | 4 | X | ANSC 1612 | Intermediate Western Equitation | 2 |  |
| ENG 2003 or 2013 or PHIL 1303 | Intro to Lit I or II or Intro to Philosophy | 3 | X | PSSC 2813 | Soils | 3 |  |
| ANSC 1522 | Beginning English Equitation | 2 |  | AGRI 3233 or STAT 3233 or ECON 2113 | Applied Ag Stat, Applied Stat or Business Stat | 3 |  |
| SCOM 1203 | Oral Communication | 3 | X | CHEM 1023/1021 or CHEM 1052 | Gen Chem II/Lab or Concepts of Chem II (consult your advisor) | 2-4 |  |
|  |  |  |  |  |  |  |  |
| **Total Hours** |  | **15** |  | **Total Hours** |  | **13-15** |  |

Animal Science – Equine Management Page 2

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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 |
| ANSC 3613 | Nutritional Mgmt of Animals | 3 |  | ANSC 4613 | Horse Production | 3 |  |
| ANSC 2623 | Equine Health and Management | 3 |  | ANSC electives | Upper level ANSC courses  | 3 |  |
| ANSC electives | Upper level ANSC courses  | 3 |  | Upper level support Electives | Upper level Electives - consult your advisor | 6 |  |
| AGRI 2213 or BIOL 3013 | Genetic Improvement of Plants and Animals or Genetics | 3 |  | ART/MUS/THEA 2503 | Fine Arts Visual, Music, or Theater | 3 | X |
| BIOL 4104 or BIO 2103/2101 | Microbiology or Microbiology for Nursing/Lab | 4 | X |  |  |  |  |
|  |  |  |  |  |  |  |  |
| **Total Hours** |  | **16** |  | **Total Hours** |  | **15** |  |

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| **Year 4** | **Year 4** |
|  **Fall Semester** | **Spring Semester** |
| Course No. | Course Name | Hrs. | Gen Ed | Course No. | Course Name | Hrs. | Gen Ed |
| ANSC 3663 | Vet Anatomy and Physiology | 3 |  | AGEC 4073 | Agricultural Business Mgmt | 3 |  |
| ANSC 4743 | Equine Nutrition | 3 |  | ANSC electives | Upper level ANSC courses  | 3 |  |
| ANSC electives | Upper level ANSC courses  | 3 |  | AGRI 3723 | Agricultural Connections | 3 |  |
| Electives | Electives - consult your advisor | 4-6 |  | Electives | Electives - consult your advisor | 3 |  |
|  |  |  |  | Upper level support Electives | Upper level Electives - consult your advisor | 3 |  |
|  |  |  |  |  |  |  |  |
| **Total Hours** |  | **13-15** |  | **Total Hours** |  | **15** |  |
| **TOTAL JR/SR HOURS = 45** | **TOTAL DEGREE HOURS = 120** |

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