



OKLAHOMA STATE UNIVERSITY

COLLEGE OF AGRICULTURAL SCIENCES AND NATURAL RESOURCES

GENERAL REQUIREMENTS FOR STUDENTS MATRICULATING IN ACADEMIC YEAR: 2007-2008

BACHELOR OF SCIENCE IN AGRICULTURAL SCIENCES AND NATURAL RESOURCES

MAJOR ANIMAL SCIENCE OPTION: ANIMAL BIOTECHNOLOGY

MINIMUM OVERALL GRADE-POINT AVERAGE: 2.00 TOTAL HOURS 130

OTHER GPA REQUIREMENTS, SEE BELOW.

GENERAL EDUCATION REQUIREMENTS <u>47</u> HOURS			MAJOR REQUIREMENTS <u>45</u> HOURS	
Area	Hours	To Be Selected From	Core Courses <u>28</u> Hours	
English Composition and Oral Communication	9	ENGL 1113 or 1313; 1213 or 1413; and 3323. (See Academic Regulation 3.5 in Catalog.) (When ENGL 3323 is substituted for ENGL 1213, the hours in this block are 6.)	ANSI 3423, 3443, 3543, 4843, 4863 ZOO 4215 or CLML 3014	
American History and Government	6	HIST 1103; POLS 1113	<u>9 hours from:</u> ANSI 3433, 3653 and 3 hours from: ANSI 4023, ANSI 4423, 4543, 4553, 4613, 4633, 4643	
Analytical and Quantitative Thought (A)	6	MATH 1513*, 1613* (or 2103 or STAT 2013)	OR	
Humanities (H)	6	PHIL 3833, 4713, 4733 or any course designated (H); must include one lower-division course.	<u>9 hours from:</u> ANSI 4803; CLML 3254, 4113; ZOO 4134, 4283	
Natural Sciences (N)	13	BIOL 1114*; CHEM 1215* (or 1314*), 1225* (or 1515*)	Related Courses <u>17</u> Hours	
Social and Behavioral Sciences (S)	7	AGEC 1114*; SPCH 2713*	17 hours from:	
International Dimension (I)	3	ANSI 3903 (See "Controlled Electives") or any course designated (I).	ANSI 3903' or any course designated (I) ANSI 3333, 4803, 4910 (1-12 hours) MATH 2144, 2153, 2163 PHYS 1214 VMED 3123	
Scientific Investigation (L)	--	Any course designated (L).	Upper-division ANSI BIOC BIOL CLML ENTO MICR STAT ZOO	
* College and Departmental Requirements that may be used to meet General Education requirements.			No more than 3 hours from ANSI 4900.	
COLLEGE/DEPARTMENTAL REQUIREMENTS <u>32</u> HOURS			ELECTIVES <u>6</u> HOURS	
Agricultural Courses	4	AG 1011; PLNT 1213;	Hours to complete required total.	
Basic Animal Science Courses	7	ANSI 1124, 2253		
Additional Requirements	21	BIOC 3653; MICR 2123 and 2132 PHYS 1014 or 1114; ZOO 1604 or 3204 5 hours organic chemistry.		

Other Requirements:

A minimum of 40 semester credit hours and 100 grade points must be earned in courses numbered 3000 or above. A 2.00 GPA or higher in upper-division hours. Students will be held responsible for degree requirements in effect at the time of matriculation (date at first enrollment) & any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.

DEAN

DEPARTMENT HEAD

Animal Science/ Biotechnology

Oklahoma State University
College of Agriculture Sciences and Natural Resources
Department of Animal Sciences
2007-2008

Fall	First Year		Spring	
ENGL 1113 or 1313	Freshman Composition I Critical Analysis and Writing I <i>(Prerequisite: ENGL ACT score of 27 and 3.50 overall high school G.P.A.; or consent of course director)</i>	ENGL 1213 or 1413	Freshman Composition II <i>(Prerequisite: ENGL 1113, 1123, or 1313)</i> Critical Analysis and Writing II <i>(Prerequisite: ENGL 1313, an "A" in ENGL 1113, or consent of course director)</i>	
MATH 1513	College Algebra <i>(Prerequisite: two years of high school algebra or intermediate algebra)</i>	POLS 1113	American Government	
CHEM 1215 or 1314	General Chemistry <i>(Prerequisite: MATH 0123 or high school Equivalent)</i> General Chemistry <i>(Prerequisite: MATH 1513 or concurrent enrollment in 1613, 1715, or a higher level math course)</i>	BIOL 1114 CHEM 1225 or 1515	Introductory Biology General Chemistry <i>(Prerequisite: CHEM 1215 or 1314)</i> General Chemistry <i>(Prerequisite: 1314 or advanced placement)</i>	
ANSI 1124 AG 1011 ANSI 4900	Introduction to Animal Science Ag Orientation Animal Science/Food Science Orientation			
16/17 Hours		15 Hours		

Fall	Second Year		Spring	
MATH 1613 or 2103 or STAT 2013	Trigonometry <i>(Prerequisite: 1513 or equivalent, or concurrent enrollment)</i> Elementary Calculus <i>(Prerequisite: 1513)</i> Elementary Statistics <i>(Prerequisite: 1483 or 1513)</i>	MICR 2123 MICR 2132	Introduction to Microbiology <i>(Prerequisite: CHEM 1515 or 1225 and BIOL 1114)</i> Introduction to Microbiology Lab <i>(Prerequisite: MICR 2123 or concurrent enrollment in MICR 2123)</i>	
ANSI 2253	Meat Animal and Carcass Evaluation <i>(Prerequisite: 1124)</i>	CHEM 3015	Chemistry of Organic Compounds <i>(Prerequisites: 1215 and 1225 or equiv.)</i>	
ZOOL 1604 or 3204	Animal Biology <i>(Prerequisite: BIOL 1114)</i> Physiology <i>(Prerequisite: BIOL 1114, CHEM 1215 or 1314)</i>	AGEC 1114 3hrs	Introduction to Ag Economics <i>(Prerequisite: MATH 1483 or 1513)</i> Core Course*	
PLNT 1213 ANSI 3423	Introduction to Plant and Soil Systems Animal Genetics <i>(Prerequisite: BIOL 1114)</i>			
16 Hours		17 Hours		

Fall		Third Year		Spring	
ENGL	3323	Technical Writing (Prerequisite: ENGL 1113, 1213, and junior standing)	HIST 1103	Survey of American History	
	4hrs	Related Course*	PHSY 1014 or 1114	Descriptive Physics General Physics	
BIOC	3653	Survey of Biochemistry (Prerequisite: CHEM 3015 or 3053)	ZOOL 4215	Mammalian Physiology (Prerequisite: ZOOL 1604; CHEM 3015 or CHEM 3053)	
ANSI	3543	Principles of Animal Nutrition (Prerequisite: CHEM 1215 or equivalent)	or CLML 3014	Cell and Molecular Biology (Prerequisite: BOT 1404 or MICR 2125 or ZOOL 1604; and CHEM 1225 or CHEM 1515)	
			3hrs	Core Course*	
			3hrs	Related Course*	
16 Hours			17/18 Hours		

Work experience encouraged between junior and senior year.

Fall		Fourth Year		Spring	
	5hrs	Electives		6hrs	Related Course*
	3hrs	Humanities	ANSI 4843	Applications of Biotechnology in ANSI (Prerequisites: 3423 and BIOC 3653)	
SPCH	2713	Introduction to Speech Communication	ANSI 4863	Capstone for Animal Ag (Prerequisite: senior standing)	
ANSI	3443	Animal Breeding (Prerequisite: 3423)	3hrs	Core Course*	
	4hrs	Related Course*	15 Hours		
18 Hours					

±Consult Advisor/Proposed Professional School Requirements

<p>Graduation Requirements...</p> <p>Total Credit Hours for Graduation: 130 minimum</p> <p>40 upper-division hours required and 60 hours must be completed at a four year institution.</p> <p>A 2.00 major GPA is required. This includes all courses in College/Departmental, Major Requirements and Controlled Electives.</p> <p>One literature course required as lower-division humanities for most professional school admissions.</p> <p>A minimum of 40 semester credit hours and 100 grade points must be earned in courses numbered 3000 or above. A 2.00 GPA or higher in upper-division hours.</p> <p>Note: See OFFICIAL plan of study</p> <p>* Refer to Degree Sheet for Course Options</p>
<p>Stay in Sequence...</p> <p>* ANSI courses taught only Fall Semesters: 3333, 4023, 4553, 4803</p> <p>* ANSI courses taught only spring Semesters: 3903, 4333, 4423, 4543, 4633, 4712</p>
<p>Students will be held responsible for degree requirements in effect at the time of matriculation (date of first enrollment and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.</p> <p>This plan is provided as a courtesy. The OFFICIAL degree requirements sheet is used to determine eligibility for graduation.</p> <p>May 2007</p>