

ANIMAL SCIENCE: RANCH OPERATIONS, BSAG

Requirements for Students Matriculating in or before Academic Year 2020-2021. Learn more about University Academic Regulation 3.1 (<http://catalog.okstate.edu/university-academic-regulations/#matriculation>).

Minimum Overall Grade Point Average: 2.00

Total Hours: 120

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (http://catalog.okstate.edu/university-academic-regulations/#english-composition/)		
ENGL 1113	Composition I	3
or ENGL 1313	Critical Analysis and Writing I	
Select one of the following:		3
ENGL 1213	Composition II	
ENGL 1413	Critical Analysis and Writing II	
ENGL 3323	Technical Writing	
<i>American History & Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
MATH 1513	College Algebra (A) ¹	3
or MATH 1483	Mathematical Functions and Their Uses (A)	
Select one of the following:		3
MATH 1613	Trigonometry (A) ¹	
STAT 2013	Elementary Statistics (A) ¹	
STAT 2023	Elementary Statistics for Business and Economics (A) ¹	
<i>Humanities (H)</i>		
Courses designated (H)		6
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
BIOL 1114	Introductory Biology (LN) ¹	4
Any course designated (N)		3
<i>Social & Behavioral Sciences (S)</i>		
AGEC 1113	Introduction to Agricultural Economics (S) ¹	3
<i>Additional General Education</i>		
Courses designated (A), (H), (N), or (S)		6
Hours Subtotal		40
Diversity (D) & International Dimension (I)		
May be completed in any part of the degree plan		
Select at least one Diversity (D) course		
Select at least one International Dimension (I) course		
College/Departmental Requirements		
<i>Agricultural Sciences and Natural Resources</i>		

AG 1011	First Year Seminar	1
Select one of the following:		3
HORT 1013	Principles of Horticultural Science (LN)	
PLNT 1213	Introduction to Plant and Soil Systems	
SOIL 1113	Land, Life and the Environment (N)	
SOIL 2124	Fundamentals of Soil Science (N)	
ANSI 1124	Introduction to the Animal Sciences	4
ANSI 2111	Animal and Food Science Professional Development	1
ANSI 2112	Live Animal Evaluation	2
ANSI 2233	The Meat We Eat	3
or ANSI 2253	Meat Animal and Carcass Evaluation	
CHEM 1215	Chemical Principles I (LN) ²	4
or CHEM 1314	Chemistry I (LN)	
<i>Additional Requirements</i>		
CHEM 1225	Chemical Principles II (LN) ²	5
or CHEM 1515	Chemistry II (LN)	
<i>Written and Oral Communications</i>		
AGCM 3103	Written Communications in Agricultural Sciences and Natural Resources ³	3
or ENGL 3323	Technical Writing	
Select one of the following: ⁴		3
AGCM 3203	Oral Communications in Agricultural Sciences & Natural Resources (S)	
SPCH 2713	Introduction to Speech Communication (S)	
SPCH 3733	Elements of Persuasion (S)	
Hours Subtotal		29
Major Requirements		
<i>Core Courses</i>		
ANSI 3333	Meat Science	3
or ANSI 3623	Livestock Behavior and Environmental Interactions	
ANSI 3423	Animal Genetics	3
ANSI 3433	Animal Breeding	3
ANSI 3443	Animal Reproduction	3
ANSI 3543	Principles of Animal Nutrition	3
ANSI 3653	Applied Animal Nutrition	3
ANSI 4863	Capstone for Animal Agriculture	3
Select 9 hours of the following:		9
ANSI 4423	Horse Science	
ANSI 4553	Sheep Science	
ANSI 4613	Beef Cow-Calf Management	
ANSI 4633	Stocker and Feedlot Cattle Management	
ANSI 4703	Equine Enterprise Management	
ANSI 4713	Beef Seedstock Management and Sales	
Select 9 hours of the following:		9
ANSI 4203	Rangeland and Pasture Utilization	
ANSI 4973	Rangeland Resources Planning	
or NREM 4613	Rangeland Resources Planning	
PBIO 4005	Field Botany	
NREM 3613	Principles of Rangeland Management	
NREM 4783	Prescribed Fire	
NREM 4793	Advanced Prescribed Fire	
<i>Additional Core Courses</i>		

SOIL 2124	Fundamentals of Soil Science (N)	4
ACCT 2103	Financial Accounting	3
or ACCT 2003	Survey of Accounting	
AGEC 3423	Farm and Agribusiness Management	3
or AGEC 3403	Agricultural Small Business Management	

Related Courses

Select 2 hours of the following:	2
Any upper division: ACCT, AGEC, ANSI, BIOL, ENTO, EEE, FDSC, FIN, LSB, MGMT, MKTG, NREM, PLNT, SOIL	

Hours Subtotal	51
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Electives

Select 0 hours or hours to complete required total for degree	0
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Total Hours	120
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- ¹ College & Departmental requirements that may be used to meet GE requirements.
- ² If used for (N) requirement, hours in this block are reduced by CHEM course hours.
- ³ If ENGL 3323 Technical Writing is substituted for ENGL 1213 Composition II above; hours in this block are reduced by 3.
- ⁴ If used as (S) course above, hours in this block reduced by 3.

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.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation 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.
- Degrees that follow this plan must be completed by the end of Summer 2026.