

# ANIMAL SCIENCE, PHD

## Requirements for Students Matriculating in or before Academic Year

**2023-2024.** Learn more about Graduate College Academic Regulation 7.0 (<http://catalog.okstate.edu/graduate-college/#70>).

**Total Hours:** 60 (Beyond the Master's Degree)

Code	Title	Hours
<b>Required Courses <sup>1</sup></b>		
Select at least 15 hours from below with approval of the advisory committee and area of specialization:		15
ANSI 5102	Ethics and Professionalism in Animal and Food Science	
ANSI 5010	Special Problems	
ANSI 5113	Basic Reproductive Physiology	
ANSI 5123	Functional and Molecular Endocrinology	
ANSI 5213	Advances in Meat Science	
ANSI 5303	Advanced Animal Breeding	
ANSI 5313	Marker Assisted Selection in Livestock	
ANSI 5333	Carcass Value Estimation Systems	
ANSI 5553	Interpreting Animal and Food Science Research	
ANSI 5573	Techniques in Animal Molecular Biology	
ANSI 5613	Advanced Beef Production	
ANSI 5733	Advanced Ruminant Nutrition	
ANSI 5743	Rumenology	
ANSI 5753	Animal Nutrition Techniques and Laboratory Methods	
ANSI 5763	Advanced Nonruminant Nutrition	
ANSI 5773	Protein Nutrition	
ANSI 5783	Vitamin and Mineral Nutrition	
Food Science (FDSC) 5000- and 6000-level courses		
<b>Hours Subtotal</b>		<b>15</b>
<b>Electives <sup>1</sup></b>		
Select 15 hours of other graduate courses with the approval of the advisory committee and area of specialization.		15
Choose from graduate level classes in STAT, BIOC, MICR, BIOL, ZOOL, NSCI, BVSC, or other courses deemed appropriate by advisory committee.		
<b>Hours Subtotal</b>		<b>15</b>
<b>Other Requirements <sup>1</sup></b>		<b>30</b>
ANSI 6000	Doctoral Research and Dissertation (Offered for variable credit, 1-10 credit hours, maximum of 30 credit hours.)	
or FDSC 6000	Doctoral Research and Dissertation	
ANSI 6110	Seminar (Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.)	
<b>Hours Subtotal</b>		<b>30</b>
<b>Total Hours</b>		<b>60</b>

<sup>1</sup>

Combined Required Courses, Electives and Other Requirements hours must total 60 hours.

## Animal Science Requirements

- At least 75 percent of total credit hours must be 5000/6000 level courses.

## Graduate College Doctor of Philosophy (PhD) Requirements

Learn more about Graduate College 2023-2024 Doctor of Philosophy (PhD) Degree Program Requirements (<http://catalog.okstate.edu/graduate-college/>). Check the General Graduate College academic regulations for minimal GPA, language proficiency and other general requirements.