

# Animal Science (Minor)

To see more about what you will learn in this program, visit the Learning Outcomes website (<https://apps.oir.ncsu.edu/pgas/>)!

The Department of Animal Science offers an undergraduate minor in Animal Science to all interested baccalaureate students. This minor is appropriate for (but not limited to) students majoring in Agricultural Business Management, Agricultural Education, Agricultural Science, Agronomy, Food Science, Nutrition Science, Poultry Science, and Zoology. Students completing a minor in Animal Science will become familiar with animal production and with its related industries.

## Admissions

Students who plan to minor in Animal Science should contact Dr. Melissa Merrill for consultation and approval. Dr. Merrill can be reached at: 919.515.3028, [Melissa\\_Merrill@ncsu.edu](mailto:Melissa_Merrill@ncsu.edu) or in 342 Riddick Hall.

## Certification

Certification must be submitted no later than the registration period for the student's final semester at NC State. The minor must be completed no later than the semester in which the student expects to graduate from his or her degree program.

## Contact Person

### Dr. Melissa Merrill

342 Riddick Hall  
919.515.3028  
[Melissa\\_Merrill@ncsu.edu](mailto:Melissa_Merrill@ncsu.edu)

**SIS Code: 11ANM**

## Plan Requirements

- Minimum of 15 credit hours is required.
- A grade of 'C-' or higher in each course.
- The program is flexible in order for students to be able to emphasize the discipline or species of their interest.

Code	Title	Hours	Counts towards
<b>Required Courses</b>		<b>6</b>	
ANS 150	Introduction to Animal Science		
ANS 230	Animal Nutrition		
	or ANS 225 Principles of Animal Nutrition		
<b>Elective Courses</b>		<b>9</b>	
ANS 105	Introduction to Companion Animal Science <sup>1</sup>		
	or ANS 110 Introduction to Equine Science		
ANS 205	Physiology of Domestic Animals		
ANS/AEE/PB 208	Agricultural Biotechnology: Issues and Implications		

ANS/HS 215	Agricultural Genetics
ANS 220	Reproductive Physiology
	or ANS 240 Livestock Merchandising
ANS 261	Swine Health and Biosecurity <sup>2</sup>
ANS 262	Swine Breeding and Gestation Management <sup>2</sup>
ANS 263	Farrowing Management <sup>2</sup>
ANS 264	Swine Nursery and Finishing Management <sup>2</sup>
ANS 266	Swine Environment Management <sup>2</sup>
ANS 267	Swine Manure and Nutrient Management <sup>2</sup>
ANS 268	Employee Management for the Swine Industry <sup>2</sup>
ANS 270	Pork Export Markets from a Swine Production Perspective <sup>2</sup>
ANS 281	Professional Development of PreVeterinary Track Students
ANS 303	Principles of Equine Evaluation
ANS 304	Dairy Cattle Evaluation
ANS 309	Livestock Evaluation
ANS/FS/PO 322	Muscle Foods and Eggs
ANS/FS 324	Milk and Dairy Products
ANS 330	Laboratory Animal Science
ANS 400	Companion Animal Management
ANS 402	Beef Cattle Management
ANS 403	Swine Management
ANS 404	Dairy Cattle Management
ANS 408	Small Ruminant Management

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ANS 410	Equine Breeding Farm Management
ANS 411	Management of Growing and Performance Horses
ANS/NTR/PO 415	Comparative Nutrition
ANS/NTR/PO 425	Feed Manufacturing Technology
ANS 440	Animal Genetic Improvement
ANS 452	Comparative Reproductive Physiology and Biotechnology
ANS 453	Physiology and Genetics of Growth and Development
<b>Total Hours</b>	<b>15</b>

<sup>1</sup> Credit is allowed for either ANS 105 Introduction to Companion Animal Science or ANS 110 Introduction to Equine Science, but not both.

<sup>2</sup> Agldea course, offered online with additional tuition.