

ANIMAL AND DAIRY SCIENCES, PHD

REQUIREMENTS

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MINIMUM GRADUATE SCHOOL REQUIREMENTS

Review the Graduate School minimum degree requirements (<https://guide.wisc.edu/graduate/#requirementstext>) and policies (<https://guide.wisc.edu/graduate/#policiestext>), in addition to the program requirements listed below.

MAJOR REQUIREMENTS

MODE OF INSTRUCTION

Face to Face	Evening/ Weekend	Online	Hybrid	Accelerated
Yes	No	No	No	No

Mode of Instruction Definitions

Accelerated: Accelerated programs are offered at a fast pace that condenses the time to completion. Students typically take enough credits aimed at completing the program in a year or two.

Evening/Weekend: Courses meet on the UW–Madison campus only in evenings and/or on weekends to accommodate typical business schedules. Students have the advantages of face-to-face courses with the flexibility to keep work and other life commitments.

Face-to-Face: Courses typically meet during weekdays on the UW–Madison Campus.

Hybrid: These programs combine face-to-face and online learning formats. Contact the program for more specific information.

Online: These programs are offered 100% online. Some programs may require an on-campus orientation or residency experience, but the courses will be facilitated in an online format.

CURRICULAR REQUIREMENTS

Requirements	Detail
Minimum Credit Requirement	51 Credits
Minimum Residence Credit Requirement	32 credits
Minimum Graduate Coursework Requirement	26 credits must be graduate-level coursework. Refer to the Graduate School: Minimum Graduate Coursework (50%) Requirement policy: https://policy.wisc.edu/library/UW-1244 (https://policy.wisc.edu/library/UW-1244/).

Overall Graduate GPA Requirement	3.00 GPA required. Refer to the Graduate School: Grade Point Average (GPA) Requirement policy: https://policy.wisc.edu/library/UW-1203 (https://policy.wisc.edu/library/UW-1203/).
Other Grade Requirements	n/a
Assessments and Examinations	Schedule preliminary examination and file request with the Graduate Program Manager at least four weeks prior to the exam date for preliminary examination (by end of fourth semester). Complete written preliminary examination; complete oral preliminary examination (by end of fifth semester). If passed, warrant should be signed and returned to the Graduate School. Student will be a dissertator. Complete research and thesis. Regular meetings with the committee are expected. The student must submit a request for final examination (including documentation that exam requirements have been met) to the Graduate Program Manager at least four weeks prior to the exam date. The thesis must be submitted to the committee at least two weeks prior to the exam. The candidate is required to present an exit seminar on their dissertation research and to subsequently defend the thesis orally. The thesis must be acceptable from both scientific and literary standpoints. The committee administers the thesis defense. Deposit of the doctoral dissertation to the Graduate School is required
Language Requirements	Language requirements are determined on an individual basis with the major advisor/committee and will depend on the area of focus within the program.
Graduate School Breadth Requirement	All doctoral students are required to complete a doctoral minor or graduate/professional certificate. Refer to the Graduate School: Breadth Requirement in Doctoral Training policy: https://policy.wisc.edu/library/UW-1200 (https://policy.wisc.edu/library/UW-1200/).

REQUIRED COURSES

Code	Title	Credits
Animal and Dairy Sciences Foundation		
2		
Students must complete one of the following courses.		
AN SCI 366	Concepts in Genomics	
AN SCI 610	Quantitative Genetics	
DY SCI/ AN SCI 824	Ruminant Nutritional Physiology I	
DY SCI/ AN SCI 825	Ruminant Nutritional Physiology II	
DY SCI/ AN SCI 434	Reproductive Physiology	

AN SCI/ FOOD SCI 515	Commercial Meat Processing	
AN SCI/ FOOD SCI 711	Food Biochemistry	
Seminar Requirement		2
Attendance is required at this seminar series by all graduate students in the department. PhD students are required to register for the seminar for credit twice. Although attendance is required, registering for the seminar for credit is done only for the semesters a student presents.		
DY SCI 900	Seminar	
Research Requirement		8
Students must complete a minimum of 8 credits.		
AN SCI 990	Research	
Scientific Writing		2-3
Students must complete one of the following courses.		
LSC 430	Communicating Science with Narrative	
LSC 560	Scientific Writing	
LSC 561	Writing Science for the Public	
M&ENVTOX 801	Scientific Communication in Molecular & Environmental Toxicology	
Statistics Requirement		4
Students must complete one of the following courses.		
STAT/ F&W ECOL 571	Statistical Methods for Bioscience I	
STAT/ F&W ECOL 572	Statistical Methods for Bioscience II	
AN SCI 865	Design and Analysis of Biological Studies	
Teaching Requirement		3
Complete one of the following teaching practicum courses. The program requires each student to work with their faculty advisor to identify an opportunity within the department for the student to engage in teaching. This requirement is broadly defined and could include assisting an Animal and Dairy Sciences faculty member with classroom teaching or serving as a teaching assistant (TA) in a course outside of the department.		
AN SCI 799	Practicum in Animal Sciences Teaching	
AN SCI 699	Special Problems	
Elective Requirement		20-21
The remainder of the coursework to meet the minimum credit requirement and graduate coursework requirement for the PhD in Animal and Dairy Sciences will be selected to meet the student's specific educational needs as determined through consultation with their advisor and members of their committee.		
Breadth		9
In consultation with advisor, students will select the appropriate plan of coursework to meet this requirement.		
Total Credits		51