ANIMAL AND DAIRY SCIENCES, MS

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	30 Credits
Minimum Residence Credit Requirement	16 credits
Minimum Graduate Coursework Requirement	15 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	The final thesis exam involves an oral defense of the research topic and general knowledge of animal nutrition, endocrinology & reproductive physiology, genetics and animal breeding, or meat science and muscle biology. All degree candidates must complete a satisfactory thesis. Instructions on preparing a master's thesis can be found on the UW Graduate School website, https://grad.wisc.edu/current-students/masters-guide (https://grad.wisc.edu/current-students/masters-guide/)/. At the completion of the degree program, the candidate will take a final examination administered by the Mentor and Examination Committee. The examination will be oral and includes questions relating to the candidate's graduate course program. The candidate will also be expected to defend the thesis.
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.

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	
DY SCI 378	Lactation Physiology	
Seminar Requirement		**1**
Attendance is required at this seminar series by all graduate students in the program. Master's degree students are required to register for the seminar for credit once. Although attendance is required, registering for the seminar for credit is done the semester a student presents.		
DY SCI 900	Seminar	
Research Requirement		**3**
Students must complete a minimum of 3 credits.		

AN SCI 990	Research	
Scientific Writing Requirement		**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	
Elective Requirement		**17-18**
The remainder of the coursework to meet the minimum credit requirement and graduate coursework requirement for the MS 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.		
Total Credits		**30**