

Dairy Science M.S. Requirements

To complete the M.S. degree in the Department of Dairy Science at University of Wisconsin-Madison requires successful completion of the following items. These must be completed in a timely fashion or the student will not be allowed to continue registration. Working closely with your advisor and committee are essential for successful completion of an M.S. Please note that minimum requirements are provided, however successful completion of the M.S. degree also requires making a research contribution to the scientific literature.

- I.** Form an M.S. mentor Committee (by end of 1st semester).
- II.** Meet with your M.S. Committee. Approve plan for coursework and immediate research plans (by end of 2nd Semester)
- III.** Complete Coursework and M.S. research (documentation of completion is required before M.S. defense)
- IV.** Final Defense and Examination.

The following forms must be completed, signed, and returned to departmental student services coordinator at the proper times.

Be sure to keep a copy of all signed forms, warrants, etc.

I. M.S. Mentor and Examination Committee
(This form must be completed and approved by end of the first semester.)

Name of Student:		Student ID:	
Discipline:			

Major professor and two committee members are required. Additional committee members may also be selected.

	Name	Department
Major professor:		
Committee member #1:		
Committee member #2:		

APPROVALS

	Student	Date
Signed:		
	Major Professor	Date
Approved:		
	Chair, Dairy Science Graduate Committee	Date
Approved:		

Instructions

1. A minimum of three faculty members is required. At least 2 of the committee members must be tenure-track faculty in the Department of Dairy Science (See Appendix A for eligible faculty).
2. The graduate student requests the participation of the faculty on the committee.
3. The student, major professor, and chair of the Dairy Science Graduate Committee must approve of all members on this committee.
4. Changes to M.S. Committee must be submitted in writing to Graduate Committee.

II. Required Courses to be completed prior to or during M.S. study
(This form must be completed and approved by the end of the second semester.)

Student:		Student ID:	
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A. Biochemistry:

	Dept.	Course #	Course Title	Credits	Grade	Institution
Biochemistry						

B. Statistics:

1. A course in statistics (300 level or above)

	Dept.	Course #	Course Title	Credits	Grade	Institution
Statistics						

C. Dairy or Animal Science Courses

One course (300 level or higher, at least 2 credits, grade of B or better) in each of the following: animal genetics, ruminant or animal nutrition, animal physiology, and dairy cattle management.

	Dept.	Course #	Course Title	Credits	Grade	Institution
Genetics						
Nutrition						
Physiology						
Management						

APPROVALS

	Student	Date
Signed:		
	Major Professor	Date
Approved:		
	Chair, Dairy Science Graduate Committee	Date
Approved:		

Instructions for Plan of Study
(see next page for form to be completed)

Students must meet all Graduate School and Departmental requirements.

Students should discuss planned coursework with major professor and M.S. committee.

Departmental Requirements:

1. Minimum of 30 graduate credits (semester credits, courses numbered 300 or greater), after the B.S. degree. A minimum of 16 graduate credits must be taken while a graduate student at UW-Madison.

NOTE: Courses taken post-BS as a Special Student (not enrolled in a graduate program) do NOT automatically count toward a graduate degree. To use these credits toward a graduate degree, the student should obtain approval of the department and graduate school PRIOR to taking the courses.

2. Minimum 3.0 GPA (B average) in all graduate coursework taken at UW-Madison.
3. Minimum of 6 Credits of Dairy Science 990 (Research) with a grade of B or better.
4. Seminar: a minimum of one seminar presentation. This seminar may be credit or non-credit, but should be a 30 minute or longer presentation of a scientific topic. Presentation must be made to the satisfaction of the Major Professor. On the examination request form is a checklist of seminars. These presentations should be attested to by your major professor's signature on the examination request. **An exit seminar presenting the results of thesis research and advertised for attendance to all faculty and students in the Dairy Science Department is required.**
5. Graduate Seminar: A grade of B or better in Departmental Graduate Seminar (DySci 900 section 001) is required in the Spring Semester of each year.
6. Satisfactory completion and defense of a thesis based on original research.
7. Satisfactory completion of a final examination covering defense of the thesis and discipline-specific knowledge. Passing the exam requires a majority (2 of 3) pass votes.
8. Students should be advised that the above represent minimum requirements. Most students require coursework, research and time in excess of the minimum to successfully complete the M.S. degree. In addition, M.S. committees may suggest additional courses.
9. Full time students should register for 8-12 total credits (courses, seminars and research) per semester, regardless of whether they have met minimum credit requirements. Part-time students should consult their advisor for appropriate credits. Students conducting research toward their degree should register for at least 1 credit of Dairy Science 990 during each semester when research is conducted.
10. Minimum of 15 credits from courses numbered ≥ 700 or courses numbered 500-699 that are composed of at least 50% graduate students.
11. Teaching (or extension) practicum 799 is encouraged and counts toward the credit total in points #1 and #10 above.

III. Plan of Study

(This form must be completed and approved by the end of the second semester.)

Student:		Student ID:	
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LIST PROPOSED GRADUATE COURSES.

Credits should total at least 30 semester hours, with at least 15 credits numbered ≥ 700 or numbered 500-699 with at least 50% graduate students. At least 16 credits taken at UW-Madison.

Course	Description	Credits	Institution

APPROVALS:

	Student:	Date
Signed:		
	Major Professor:	Date
Approved:		
	Committee Members:	
Signed:		
Signed:		
Signed:		
	Chair, Dairy Science Graduate Committee	Date
Approved:		

Request for Final Examination

	Name	Signature	Date
Student			
Major Professor			

Student and major professor should complete indicated sections. Dairy Science Graduate Committee will verify that all departmental requirements have been met and request the Exam Warrant from the Graduate School.

SEMINAR PRESENTATIONS

List Seminar presentations. Signature of Major Professor verifies satisfactory completion.

Date	Title	Location/Group	Major Prof. Signature

GRADUATE DEPARTMENTAL SEMINAR (Dy Sci 900, Section 1, each Spring)

Fill in Semesters taken and grade. Last column is for Committee Use.

Semester	Grade	OK (Office Use)

Checklist of requirements (For Office Use Only). Student should use this as a guide, but leave the **OK column blank for office to use.**

	Requirement	OK (Office)
1.	Completion of all coursework listed on certification form.	
2.	Completion of 30 graduate credits	
3.	Minimum GPA of 3.0	
4.	At least 6 Credits research	
5.	Dairy Science 900, Section 1 each Spring (unless exception by graduate committee chair)	

For any exceptions to requirements, attach evidence of prior approval by Dairy Science Graduate Committee.

For any unsatisfactory evaluations, attach evidence of completion of Dairy Science Graduate Committee-approved make-up requirements.

APPROVED

	Chair, Dairy Science Graduate Committee	Date
Approved:		

APPENDIX A
Faculty Eligibility for Dairy Science MS and PhD Committees

Faculty with Primary Appointment in the Department of Dairy Science (no restrictions; At least 2 of these faculty are needed on each M.S. committee)	Faculty with Secondary or Affiliate Appointments in Department of Dairy Science (can be major professor or member of MS committee with 2 other members with Primary Appointment in Dairy Science)	Clinical Faculty and Academic Staff with Primary, Secondary, or Affiliate Appointments in Department of Dairy Science (can be 3rd member of MS committee)
Lou Armentano	Dorte Dopfer	Wayne Coblentz
Victor Cabrera	Daniel Gianola	Nigel Cook
Dave Combs	Brian Kirkpatrick	Mary Beth Hall
Paul Fricke	Garrett Oetzel	Pat Hoffman
Laura Hernandez	Jess Reed	Ken Nordlund
Pam Ruegg	Doug Reinemann	Other UW-Madison or External Scientist if Approved by Chair of the Departmental Graduate Program
Randy Shaver	Other Tenure-Track Faculty Member at UW-Madison	
Amy Stanton		
Michel Wattiaux		
Kent Weigel		
Heather White		
Milo Wiltbank		