Twin Cities Campus

Animal Sciences M.S.

Animal Science

College of Food, Agricultural and Natural Resource Sciences

Link to a list of faculty for this program.

Contact Information:
Department of Animal Science, 305 Haecker Hall, 1364 Eckles Avenue, Saint Paul, MN 55108 (612-624-3491; fax: 612-625-5789)
Email: ansci@umn.edu
Website: http://www.ansci.umn.edu/graduate-program

- Program Type: Master's
- Requirements for this program are current for Fall 2019
- Length of program in credits: 30
- This program does not require summer semesters for timely completion.
- Degree: Master of Science

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

Students in the Animal Sciences M.S. concentrate on one of the animal sciences emphasis areas: genetics; growth biology; nutrition; physiology; or production systems. Students have the option of tailoring their individual programs to include study in more than one emphasis area.

Program Delivery

This program is available:

- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission

The preferred undergraduate GPA for admittance to the program is 3.00.

Applicants must submit their test score(s) from the following:

- GRE

International applicants must submit score(s) from one of the following tests:

- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
- IELTS
  - Total Score: 6.5
- MELAB
  - Final score: 80

The preferred English language test is Test of English as Foreign Language

Key to test abbreviations(GRE, TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements

Plan A: Plan A requires 14 major credits, 6 credits outside the major, and 10 thesis credits.The final exam is oral.

Plan B: Plan B requires 24 major credits and 6 credits outside the major.The final exam is written and oral. A capstone project is required.
Capstone Project: The Plan B project requires approximately 120 hours to complete. The nature and extent of the project is agreed upon in advance by the student and faculty advisor.

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Information current as of March 29, 2024

This program may be completed with a minor.

Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

A minimum GPA of 3.00 is required for students to remain in good standing.

At least 1 semesters must be completed before filing a Degree Program Form.

Plan A requires a minimum of 14 semester credits in the major and 6 credits in a designated minor or related field outside the major. Selection of courses to fulfill this requirement and development of the thesis project are primarily the responsibility of the student and faculty advisor. Students also must register for a minimum of 10 thesis credits.

Plan B requires a minimum of 30 credits, which must include 14 or more credits in the major area and at least 6 credits in one or more related fields outside the major. The balance of credits is chosen by agreement between the advisor and student. In addition to coursework, students must complete the Plan B capstone project, which requires approximately 120 hours. The nature and extent of the project is agreed upon in advance by the student and faculty advisor.

Ethics Requirement

All students are required to be trained in ethical issues in science. Please select one course from the list below to meet this requirement.

ANSC 8134 - Ethical Conduct of Animal Research (3.0 cr)
or APEC 8901 - Graduate Seminar: MS & PhD (1.0 cr)
or APEC 8902 - Graduate Research Development Seminar (1.0 cr)
or APSC 8123 - Research Ethics in the Plant and Environmental Sciences (0.5 cr)
or BBE 8001 - Seminar I (1.0 cr)
or BBE 8002 - Seminar II (1.0 cr)
or CONS 8001 - Conservation Biology Seminar (1.0 cr)
or ENT 8061 *{Inactive}*(1.0 cr)
or FSCN 8318 - Current Issues in Food Science (2.0 cr)
or NUTR 8621 - Presentation Skills (1.0 cr)
or PLPA 8123 - Research Ethics in Plant and Environmental Sciences (0.5 cr)
or SOIL 8123 - Research Ethics in the Plant and Environmental Sciences (0.5 cr)
or WRS 8581 - Research and Professional Ethics in Water Resources and Environmental Science (0.5 cr)

Seminar Requirement

All master's students are required to take 4 credits of AnSc 8510 Graduate Seminar
ANSC 8510 - Graduate Seminar (1.0 cr)

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