



Twin Cities Campus

Entomology Ph.D.

Entomology

College of Food, Agricultural and Natural Resource Sciences

Link to a [list of faculty](#) for this program.

Contact Information:

Department of Entomology, 1980 Folwell Avenue, 219 Hodson Hall, St. Paul, MN 55108 (612-624-3636; fax: 612-625-5299)

Email: entodept@umn.edu

Website: <http://www.entomology.umn.edu>

- Program Type: Doctorate
- Requirements for this program are current for Spring 2018
- Length of program in credits: 48
- This program does not require summer semesters for timely completion.
- Degree: Doctor of Philosophy

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.

Entomology centers on the study of insects and includes specializations in ecology, behavior, molecular biology, microbiology, neurobiology, physiology, population dynamics, systematics, and taxonomy. Specialized or applied areas include apiculture, biological control, cell culture, insect conservation, insect-vector relations, integrated pest management, and modeling. Research programs are active in aquatic systems, forest systems, crop and animal agriculture, human health, and natural and urban environments.

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.

A GPA of 3.00 (on a 4.00 scale).

A 3.50 GPA (on a 4.00 scale) for prior graduate work is preferred for admission.

Other requirements to be completed before admission:

A bachelor's degree with a major in a biological science is a prerequisite. Preference is given to students with a broad background in the basic sciences. Admission depends primarily on applicant's undergraduate record, letters of recommendation, and the statement of interest from the applicant.

Special Application Requirements:

Applicants must submit a complete set of official transcripts and a clearly written statement of career interests, goals, and objectives. Three letters of recommendation are required from persons well acquainted with the student's academic record, and should be either uploaded or sent directly to the department.

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

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

Key to [test abbreviations](#) (GRE, TOEFL).

For an online application or for more information about graduate education admissions, see the [General Information](#) section of the



catalog website.

Program Requirements

13 to 24 credits are required in the major.
0 to 11 credits are required outside the major.
24 thesis credits are required.

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 2 semesters must be completed before filing a Degree Program Form.

In addition to coursework, students must accumulate three written examination points.

Core Courses

11 credits required

[ENT 5021](#) - Insect Biodiversity and Evolution (4.0 cr)

[ENT 5011](#) - Insect Structure and Function (4.0 cr)

[ENT 5041](#) - Insect Ecology (3.0 cr)

or ENT 5045 *(Inactive)* (3.0 cr)

Seminar Requirement

2 credits required

[ENT 8300](#) - Graduate Seminar (1.0 - 2.0 cr)

Electives

Up to 11 credits required.

Students must work with their advisor(s) when selecting electives outside of the entomology program. Elective courses must be taken at the graduate (4xxx-8xxx) level. Elective courses can be taken from entomology or any University of Minnesota department.

Thesis Credits

24 credits required

[ENT 8888](#) - Thesis Credit: Doctoral (1.0 - 24.0 cr)