

ENTOMOLOGY MINORS PROGRAM

The Department of Entomology offers an undergraduate academic minor. This minor enables students to diversify their educational experience and provides a group of core courses that complement other academic programs, especially the biological sciences, natural resources and environmental sciences, or related agricultural disciplines such as horticulture, animal science, grain science, and agronomy.

Expertise in areas related to a major can greatly benefit students as they prepare to attain career goals. A minor in Entomology will provide a quality education for students entering the job market, after a bachelor's degree, and a wide variety of positions are available for individuals with such a background. Examples of opportunities include work as agricultural consultants and scouts, pest control operators, technical and research positions in University, government, and industrial laboratories, and positions in the rapidly growing field of environmental risk assessment. Entomology coursework would also provide excellent preparation for students planning to enter graduate programs in entomology, agronomy, other biological sciences, or veterinary and human medicine.

To pursue a minor in Entomology, students must: 1) file a declaration of intent to pursue the minor and 2) consult an Entomology advisor prior to taking the last three courses used to satisfy the minor requirements. Advisors not only ensure that requirements of the minor are met but also tailor course work to the interests, educational aims, and employment goals of the individual student.

General Requirements

AT LEAST 15 CREDIT HOURS AS OUTLINED BELOW

The following 6 credit hours are required:

ENTOM 710 Insect Taxonomy 3

And one of the following courses:

ENTOM 312 General Entomology **and** 2

ENTOM 313 General Entomology Lab 1

Or

ENTOM 300 Economic Entomology 3

Or

ENTOM 320 Horticultural Entomology 3

Or

ENTOM 305 Livestock Entomology **and** 2

ENTOM 306 Livestock Entomology Lab 1

*At least 9 credit hours from Block A and/or Block B are also required. Courses offered outside the Entomology Department (Block B) can count toward the minor if they are requirements/electives of specific curricula or if **prior approval** is obtained from the Minor advisor.*

Block A ENTOMOLOGY COURSES

ENTOM 620	Insecticides: Propert. & Law	2
ENTOM 692	Insect Ecology	3
ENTOM 667	Insect Pest Management	3
ENTOM 706	External Insect Morphology	3
ENTOM 799	Problems in Enomology:	
	Insect Behavior	3
	Insect Ecology	3
	Insect Genetics	3
	Insect Physiology	3
	Biological Control	3
	Insect Control by	
	Host Plant Resistance	3
	Insects of Stored Products	3
	Seminar: Special Topics	1

Block B COURSES OFFERED BY OTHER DEPARTMENTS

The following or other Minor advisor-approved courses may count toward the minor.

BIOL 455	General Microbiology	4
BIOL 529	Fundamentals of Ecology	3
BIOL 612	Introductory Limnology	4
BIOL 625	Animal Parasitology	4
BIOL 697B	Behavioral Ecology	3
GRSC 651	Food and Feed Plant Sanitat.	4
HORT 582	Hort. Pest Management	3
PLPATH 500	Principles of Plant Pathology	3
PLPATH 6a07	Plant Disease Diagnosis	2

SPECIFIC CURRICULA

A minor in Entomology can be obtained in conjunction with any major field of study and students are encouraged to do so. The following degree programs lend themselves particularly well to an Entomology minor.

Animal Sciences and Industry

MINOR IN ENTOMOLOGY

In addition to fulfilling the requirements for undergraduate students majoring in Animal Sciences and Industry, students receiving a minor in Entomology must take the following courses:

ENTOM 305	Livestock Entomology	2
ENTOM 306	Livestock Entomology Lab	1
ENTOM 300	Economic Entomology	3
	Or	
ENTOM 312	General Entomology and	2
ENTOM 313	General Entomology Lab	1
BIOL 625	Animal Parasitology*	<u>4</u>
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**Replaces ENTOM 710*

At least five hours of approved electives from the courses listed below:

BIOL 455	General Microbiology	4
ENTOM 620	Insecticides Properties and Law	2
ENTOM 692	Insect Ecology	2
ENTOM 710	Insect Taxonomy	3
ENTOM 799*	Problems in Entomology:	1-3

**See under General Requirements for complete course listing.*

Crop Consulting Option in Agronomy

MINOR IN ENTOMOLOGY

In addition to fulfilling the requirements for undergraduate students in the Crop Consulting Option of Agronomy, students receiving a minor in Entomology must take the following courses:

ENTOM 312	General Entomology and	2
ENTOM 313	General Entomology Lab	1
ENTOM 612	Insect Pest Diagnosis	3
ENTOM 710	Insect Taxonomy	<u>3</u>
		9

At least six hours of approved electives from the courses listed below:

ENTOM 667	Insect Pest Management	3
ENTOM 692	Insect Ecology	3
ENTOM 706	External Insect Morphology	3
ENTOM 799*	Problems in Entomology	1-3

**See under General Requirements for complete course listing.*

Grain Science and Industry

MINOR IN ENTOMOLOGY

In addition to fulfilling the requirements for undergraduate students majoring in Grain Science and Industry, students receiving a minor in Entomology must take the following courses:

ENTOM 312	General Entomology and	2
ENTOM313	General Entomology Lab	1
ENTOM 710	Insect Taxonomy	3
ENTOM 799	Problems in Entomology: Insects of Stored Products	3
GRSC 651	Food and Feed Plant Sanitation	<u>4</u>
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At least two hours of approved electives from the courses listed below:

ENTOM 667	Insect Pest Management	3
ENTOM 692	Insect Ecology	3
ENTOM 706	External Insect Morphology	3
ENTOM 799*	Problems in Entomology:	1-3

**See under General Requirements for complete course listing.*

Horticulture

MINOR IN ENTOMOLOGY

In addition to fulfilling the requirements for undergraduate students majoring in Horticulture, students receiving a minor in Entomology must take the following courses:

ENTOM 320	Horticultural Entomology	3
	Or	
ENTOM 312	General Entomology and	2
ENTOM 313	General Entomology Lab	1
ENTOM 710	Insect Taxonomy	3
PLPATH 500	Principles of Plant Pathology	<u>3</u>
		9

At least four hours of approved electives from the courses listed below:

PLPATH 607	Plant Disease Diagnosis	2
ENTOM 667	Insect Pest Management	3
ENTOM 692	Insect Ecology	2
ENTOM 706	External Insect Morphology	3
ENTOM 799*	Problems in Entomology:	1-3

**See under General Requirements for complete course listing.*

