

# ENTOMOLOGY - MINOR

Entomology is a basic and applied science of insects and their relatives such as ticks and mites. Insects are the most numerous and diverse forms of life on earth; they are essential constituents of virtually every terrestrial and aquatic ecosystem. While society benefits from the many diverse roles played by the vast majority of insects, some species may become limiting factors in the production, processing and storage of our food and fiber crops, and to the health and well being of humans and animals. The knowledge and skills possessed by entomologists are essential components of modern integrated pest management strategies designed to safely and efficiently produce adequate food supplies for a continuously expanding world population, and to impede the transmission of insect-borne diseases, while at the same time protecting our endangered species and fragile ecosystems.

Students majoring in related areas such as agronomy, animal science, horticulture, biology, genetics and biomedical sciences may wish to consider augmenting their knowledge base and broaden their career opportunities by electing to either double major or to minor in entomology. Interested students should contact the departmental Undergraduate Advisor for additional information on these options.

## Program Requirements

The minor in Entomology is available to all students enrolled at Texas A&M University. The courses listed constitute the minimum 17 hours required for a minor in Entomology.

1. Students must earn a grade of C or better in each course used for the minor.
2. Prerequisite Courses: All prerequisites for each core and elective course also must be met. Prerequisite courses will not be applied to the minor requirements and do not count toward the number of hours needed to complete the minor. Please refer to the Texas A&M University Undergraduate Catalog for a listing of course prerequisites.
3. Availability of courses and minor recognition: The Department of Entomology cannot guarantee the availability of the courses required to meet the minor requirements. Successful completion of the minor will be certified by a degree audit in Howdy during the semester of the student's graduation. The minor will be recognized after graduation on the student's transcript, but not on the student's diploma.

Students pursuing the Minor in Entomology (<http://entomology.tamu.edu/entomology-academic-program/entomology-minor/>) are to complete the minor application form and submit the document to the Department of Entomology Advising Office in 404 Minnie Belle Heep Building (HPCT).

Code	Title	Semester Credit Hours
<b>Core Courses</b> <sup>1</sup>		
ENTO 201 or ENTO 208/209	General Entomology <sup>1</sup> or Veterinary Entomology	3
ENTO 482	Occupational and Professional Development <sup>1</sup>	2
ENTO 301 or ENTO 32:	Biodiversity and Biology of Insects <sup>1</sup> or Insects and Human Society	3-4
<b>Directed Electives</b>		<b>9</b>

Select from the following list:

ENTO 300/ WFSC 300	Field Studies
ENTO 305	Evolution of Insect Structure
ENTO 306	Insect Physiology
ENTO 320	Honey Bee Biology
ENTO 401	Principles of Integrated Pest Management
ENTO 402	Field-Crop Insects
ENTO 403	Urban Entomology
ENTO 423	Medical Entomology
ENTO 424	Insect Ecology
ENTO 428	Insect Biotechnology
ENTO 429	Insect Biotechnology Laboratory
ENTO 431/ FIVS 431	The Science of Forensic Entomology
ENTO 432/ FIVS 432	Applied Forensic Entomology
ENTO 435	Case Studies in Problem Solving
ENTO 450/ WFSC 450	Caribbean Conservation
ENTO 451/ WFSC 451	Caribbean Research Seminar
ENTO 481	Seminar
ENTO 484	Professional Internship
ENTO 485	Directed Studies
ENTO 489	Special Topics in...
ENTO 491	Research

Total Semester Credit Hours 17

<sup>1</sup> Substitutions are not allowed for core courses.

Students are encouraged to visit the Department of Entomology Advising Office in 404 Minnie Belle Heep Building (HPCT), West Campus, to select the appropriate directed elective courses based on their individual educational and career interests.

Students must earn a grade of C or better in each course used for the minor.