

ENTOMOLOGY (ENTM)

Graduate Degree Program
College: Computer, Mathematical, and Natural Sciences

Abstract

The Department of Entomology offers Doctor of Philosophy and Master of Science degrees. Graduate students may conduct research in a range of both basic and applied topics, including insect ecology and behavior, physiology, morphology, evolution and biosystematics, insect pathology, molecular biology and genetics, aquatic entomology, pollinator biology and apiculture, and integrated pest management.

Employment opportunities for graduates exist in industry; academia and extension; federal, state and local governments; private and non-profit arenas; and in international and national spheres.

Financial Assistance

Graduate students are supported primarily in two ways. Many students are supported by extramural funding sources, usually obtained by the student's faculty advisor or student for research on a specific topic. The second type of support is provided by the department from internal funds via university and departmental fellowships, and teaching and research assistantships. Teaching and research assistantships are available on a competitive basis. Teaching assistants usually instruct undergraduate laboratory and recitation classes and receive in return a tuition waiver of ten credits each semester. Those students whose records indicate superior academic achievement and promise may also be competitive for university and departmental fellowships. Several part-time employment opportunities are also available in governmental and private research and developmental laboratories in the area. Regardless of the initial source of funding, the department makes a financial commitment to each graduate student. In the case of master's students, support is provided for the first three years of the program only. In the case of doctoral students, five years of support is provided but must be used during the first six years of the student's program. Support is usually for the full 12 months per year.

Contact

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Courses: BSCI (<https://umd-curr.courseleaf.com/graduate/courses/bsci>) ENTM (<https://umd-curr.courseleaf.com/graduate/courses/entm>)

Relationships: Biological Sciences (BISI) (<https://academiccatalog.umd.edu/graduate/programs/biological-sciences-bisi>), Marine, Estuarine, and Environmental Sciences (MEES) (<https://academiccatalog.umd.edu/graduate/programs/marine-estuarine-environmental-sciences-meess>), Sustainable Development and

Conservation Biology (CONS) (<https://academiccatalog.umd.edu/graduate/programs/sustainable-development-conservation-biology-cons>)

Admissions

General Requirements

- Statement of Purpose
- Transcript(s)
- TOEFL/IELTS/PTE (international graduate students (<https://gradschool.umd.edu/admissions/english-language-proficiency-requirements>))

Program-Specific Requirements

- Letters of Recommendation (3)
- Graduate Record Examination (GRE)
- CV/Resume
- Description of Research

Students applying for graduate work in entomology are expected to have a strong background in the biological or agricultural sciences, chemistry, genetics, and mathematics. An undergraduate degree in entomology is not required, but a strong basic preparation is preferred for admission to the program.

Admission is granted on the basis of the following criteria by the Graduate Affairs Committee: Analysis of transcripts, including course selection and GPA, letters of recommendation, statement of purpose for pursuing the degree, GRE scores, and acceptance by a graduate faculty advisor. International applicants must also submit proof of English proficiency (TOEFL, iBT or IELTS scores). Acceptance by an advisor is absolutely required; thus, it helps to make contact with faculty when applying.

Upon admission to the M.S. or Ph.D. program, the student's study committee suggests a program of course work and approves a detailed research proposal.

Applicants are encouraged to contact Entomology faculty with shared research interests. To explore matches of your interests with those of ENTM faculty, see the Entomology website (<http://entomology.umd.edu>).

For more admissions information or to apply to the program, please visit our Graduate School website: www.gradschool.umd.edu/admissions

Application Deadlines

Type of Applicant	Fall Deadline
Domestic Applicants	
US Citizens and Permanent Residents	13 Dec
International Applicants	
F (student) or J (exchange visitor) visas; A, E, G, H, I and L visas and immigrants	13 Dec

Other Deadlines: Please visit the program website at <http://www.entm.umd.edu>

Requirements

- Entomology, Doctor of Philosophy (Ph.D.) (<https://academiccatalog.umd.edu/graduate/programs/entomology-entm/entomology-phd>)
- Entomology, Master of Science (M.S.) (<https://academiccatalog.umd.edu/graduate/programs/entomology-entm/entomology-ms>)

Facilities and Special Resources

The department is housed in a modern research facility on campus, where state-of-the-art offices, laboratories, environmental growth chambers, multimedia classrooms, and lecture halls provide an excellent environment for research and teaching. Students have individual workstations and access to sophisticated computer graphic facilities. The department also shares extensive technical expertise and scientific equipment with other departments on campus. The university's strategic location in the Washington, DC area provides many opportunities for students to conduct research and gain hands-on experience in federal facilities, such as the Smithsonian Institution, USDA-ARS Beltsville Agricultural Research Center, Walter Reed Army Institute of Research, and NIH. Vast resources are available in the university's library system and nearby federal libraries. The USDA's National Agriculture Library at Beltsville is only four miles from the campus, and the Library of Congress is in nearby Washington, DC. Besides the main campus, the Maryland Agriculture Experiment Station has Research and Education Centers in the state where field and laboratory work is carried out on urban and agricultural insects. Land use and technical services at these centers are available to faculty and students.