



University of Florida Entomology & Nematology Department Distance Education Program

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Visit us online at:
entomology.ifas.ufl.edu/academics/distance



*Earn
your
MS Degree
with a
specialization in
Entomology or
Pest Management,
or your Certificate
in Urban Pest
Management,
Landscape Pest
Management,
Pest Control
Technology,
or Medical
Entomology.*





Distance Education Entomology Degree Tracks,

I. Master of Science, Entomology Specialization

Degree:
MS (non-thesis)

Expected completion time:
Approximately two to four years; 30 credits

Delivery technology used:
Internet

Face-to-face location requirements:
Final semester comprehensive oral and written exam at University of Florida.
Degree candidates only.

College:
Agricultural and Life Sciences

Department:
Entomology and Nematology

Admissions information:
Starting dates in January, May, and August

*DID YOU KNOW?
Monarch butterflies
hold the insect record
for longest regularly
repeated migration.*

University of Florida's Entomology and Nematology Department offers an off-campus Master of Science degree (non-thesis) with a concentration in Entomology. Courses are offered via distance education to accommodate place-bound students interested in biological science with emphasis on insects and other arthropods, including Extension agents and other educators; state and federal employees in agricultural, environmental and regulatory positions; consultants; pest control industry personnel; and others who want to further their education.

ALS 6166	Exotic Species and Biosecurity Issues (3)
ENY 5006	Graduate Survey of Entomology (2)
ENY 5006L	Graduate Survey of Entomology Laboratory (1)
ENY 5212	Insects and Wildlife (3)
ENY 5223C	Biology and Identification of Urban Pests (3)
ENY 5226C	Principles of Urban Pest Management (3)
ENY 5236	Insect Pest and Vector Management (3)
ENY 5572	Beekeeping (3)
ENY 5616	Turf and Ornamental Entomology (3)
ENY 5820	Insect Molecular Genetics (3)
ENY 6166	Insect Classification (3)
ENY 6203	Insect Ecology (3)
ENY 6203L	Insect Ecology Laboratory (1)
ENY 6401	Insect Physiology (3)
ENY 6651C	Insect Toxicology (3)
ENY 6665	Advanced Medical and Veterinary Entomology (3)
ENY 6665L	Advanced Medical and Veterinary Laboratory (1)

Other applicable courses include:

BCH 5045	Graduate Survey of Biochemistry (4)
IPM 5305	Principles of Pesticides (3)
NEM 5004C	Principles of Nematology (3)
STA 6166	Statistical Methods in Research (3)

Requirements are: ENY 5006, 5006L, 6166, and 6401; an applied entomology course; a graduate ecology course; a biochemistry or molecular entomology course; a statistics course; to include at least 18 credits of ENY/NEM.

with Course Requirements

II. Master of Science, Pest Management Specialization

University of Florida's Entomology and Nematology Department offers an off-campus Master of Science degree (non-thesis) with a concentration in Pest Management. Courses are offered via distance education to accommodate place-bound students interested in the principles and practices of interdisciplinary pest management, including Extension agents and other educators; state and federal employees in agricultural, environmental and regulatory positions; consultants; pest control industry personnel; and others who want to further their education.

ALS 6166	Exotic Species and Biosecurity Issues (3)
ENY 5006	Graduate Survey of Entomology (2)
ENY 5006L	Graduate Survey of Entomology Laboratory (1)
ENY 5212	Insects and Wildlife (3)
ENY 5223C	Biology and Identification of Urban Pests (3)
ENY 5226C	Principles of Urban Pest Management (3)
ENY 5236	Insect Pest and Vector Management (3)
ENY 5332	Urban Vertebrate Pest Management (2)
ENY 5405	Insects as Vectors of Plant Pathogens (3)
ENY 5616	Turf and Ornamental Entomology (3)
ENY 5820	Insect Molecular Genetics (3)
ENY 6166	Insect Classification (3)
ENY 6203	Insect Ecology (3)
ENY 6203L	Insect Ecology Laboratory (1)
ENY 6651C	Insect Toxicology (3)
ENY 6665	Advanced Medical and Veterinary Entomology (3)
ENY 6665L	Advanced Medical and Veterinary Laboratory (1)
IPM 5305	Principles of Pesticides (3)
NEM 5004C	Principles of Nematology (3)
PLP 3230	Survey of Plant Pathogens (3)
PLS 4601C	Principles of Weed Science (3)
PLS 5632C	Integrated Weed Management (3)

Other applicable courses include:

AGR 5511	Crop Ecology (3)
SWS 5050	Soils for Environmental Professionals (3)
SWS 5115	Environmental Nutrient Management (3)
STA 6166	Statistical Methods in Research (3)



Requirements are: ENY 5006, 5006L, 5332, 5236, 6166, and 6651 or IPM 5305; NEM 5004C; PLP 3230; a graduate ecology course; a statistics course; to include at least 18 credits of ENY/NEM.



MS Degree Program Prerequisites:

Bachelor's degree in a scientific discipline.

Admission criteria include a B average or better for the last two years of the baccalaureate program, and satisfactory scores of the General Test of the Graduate Record Examination (GRE).

Up to 15 credits of UF graduate coursework taken prior to formal admission or nine credits from other universities may be transferred into the program to meet degree requirements.

PHOTO ABOVE:

Closeup of a monarch butterfly egg.

Milkweed is the larval host plant.

Distance Education Non-degree Certificate Programs

University of Florida's Entomology and Nematology Department offers four college-credit certificate programs, designed for employees of industries or agencies where pest management is important. These courses can be taken at either the undergraduate level (courses numbered in the 3000s and 4000s) or graduate level (courses numbered in the 5000s or 6000s). If you anticipate transferring course credits to the distance education MS programs offered by the department (15 credits are transferable with grade B or better), you should take courses at the graduate level. The graduate level courses, though similar in content to the undergraduate level courses, require additional assignments. Listed below are the recommended courses; others may be substituted with written permission of the department's certificate program coordinator or graduate coordinator. Upon successful completion of the courses with a grade of C or better (undergraduate) or B or better (graduate), you can apply for and receive a certificate of completion.

Certificate in Pest Control Technology (add 9 credits from *Urban Pest Management* and/or *Landscape Pest Management*)

This certificate is designed to meet the requirements for the State of Florida pest control exams.

REQUIRED	ENY 3005 / 5006	Principles of Entomology (2) or Graduate Survey of Entomology (2), <i>AND</i> Laboratory (1)
	ENY 4161 / 6166	Insect Classification (3)
	ENY 4228	Urban Pesticide Application (3) <i>NOTE: Arrange with Dr. Koehler before you register for ENY 4228.</i>
	IPM 3022	Fundamentals of Pest Management (3)
	IPM 4254	Landscape IPM: Ornamentals and Turf (3)

Certificate in Urban Pest Management (choose 15 credits from this list of courses)

REQUIRED	ENY 3005 / 5006	Principles of Entomology (2) or Graduate Survey of Entomology (2), <i>AND</i> Laboratory (1)
	ENY 3222C / 5223C	Biology and Identification of Urban Pests (3)
	ENY 3225C / 5226C	Principles of Urban Pest Management (3)
ELECTIVE	ENY 3228 / 5332	Urban Vertebrate Pest Management (2)
	ENY 4161 / 6166	Insect Classification (3)
	ENY 4573 / 5572	Beekeeping (3) or Advanced Apiculture (3)
	ENY 4660 / 6665	Medical and Veterinary Entomology (2) or Advanced Medical and Veterinary Entomology (3), <i>AND</i> Laboratory (1)
	ENY 4905 / 5236	Insect Pest and Vector Management (3)

Certificate in Landscape Pest Management (choose 15 credits from this list of courses)

REQUIRED	ENY 3005 / 5006	Principles of Entomology (2) or Graduate Survey of Entomology (2), <i>AND</i> Laboratory (1)
	ENY 3510 / 5616	Turf and Ornamental Entomology (3), <i>OR</i> IPM 4254, Landscape IPM: Ornamentals and Turf (3)
	ENY 4161 / 6166	Insect Classification (3)
ELECTIVE	ENY 4905 / 5236	Insect Pest and Vector Management (3)
	IPM 3022 / ENY 6905	Fundamentals of Pest Management (3)
	IPM 5305	Principles of Pesticides (3)
	NEM 3002 / 5004C	Principles of Nematology (3) or Graduate Survey of Nematology (3)
	PLP 3230	Survey of Plant Pathogens (3)

Certificate in Medical Entomology (choose 15 credits from this list of courses)

REQUIRED	ENY 3005 / 5006	Principles of Entomology (2) or Graduate Survey of Entomology (2), <i>AND</i> Laboratory (1)
	ENY 4590C / 6591C	Mosquito Identification (3) or Advanced Mosquito Identification (3)
	ENY 4592 / 6593	Mosquito Biology (3) or Advanced Mosquito Biology (3)
	ENY 4660 / 6665	Medical and Veterinary Entomology (2) or Advanced Medical and Veterinary Entomology (3), <i>AND</i> Laboratory (1)
ELECTIVE	ALS 4161 / 6166	Exotic Species and Biosecurity (3)
	ENY 3225C / 5226C	Principles of Urban Pest Management (3)
	ENY 3563 / 5566	Tropical Entomology (3)
	ENY 4210 / 5212	Insects and Wildlife (3)
	ENY 4905 / 5236	Insect Pest and Vector Management (3)
	ENY 4905 / 6905	Blood Feeding Insects (1)
	ENY 4905 / 6905	Mosquito Management (1)
	ENY 6203	Insect Ecology (3) <i>AND</i> Laboratory (1)
	ENY 6651	Insect Toxicology (3)

