

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



# University of Florida Entomology & Nematology Department Distance Education Program

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## **PHOTO:**

*Monarch butterflies  
go the distance every  
year. Some fly all the  
way from Canada to  
central Mexico.*



## **Website:**

[entomology.ifas.ufl.edu/academics/dept\\_disted.htm](http://entomology.ifas.ufl.edu/academics/dept_disted.htm)

# 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:

CD-ROM and web

### Face-to-face location requirements:

Final semester comprehensive oral (and possibly 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 6161	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 5223	Biology and Identification of Urban Pests (3)
ENY 5226C	Principles of Urban Pest Management (3)
ENY 5228	Survey of Urban Vertebrate Pest Management (2)
ENY 5236	Insect Pest and Vector Management (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 (4), or ENY 6905 Physiology (3)
ENY 6651C	Insect Toxicology (3)
ENY 6665	Advanced Medical and Veterinary Entomology (3)
ENY 6665L	Advanced Medical and Veterinary Laboratory (1)

\* Available by Polycom only at RECs

Other applicable courses include:

BCH 5045	Graduate Survey of Biochemistry (4)
NEM 5002C	Principles of Nematology (3)
STA 6166	Stat 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 6161	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 5223	Biology and Identification of Urban Pests (3)
ENY 5226C	Principles of Urban Pest Management (3)
ENY 5228	Survey of Urban Vertebrate Pest Management (2)
ENY 5236	Insect Pest and Vector Management (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)
NEM 5002C	Principles of Nematology (3)
PLP 5005C	Fundamentals of Plant Pathology (4)

Other applicable courses include:

AGR 5611	Crop Ecology (3)
PLS 5632C	Integrated Weed Management (3)
SOS 5050C	Soils for Environmental Professionals (4)
SOS 5166	Environmental Nutrient Management (3)
STA 6166	Stat Methods in Research (3)
SUR 5625	Geographic Information Systems Analysis (3)

**Requirements are:** ENY 5006, 5006L, 5228, 5236, 6166, and 6651; NEM 5002C; PLP 5005C; 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 (total of 1000 in verbal and quantitative portions) of the General Test of the Graduate Record Examination (GRE).

Up to nine credits of graduate coursework taken prior to formal admission 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 three college-credit certificate programs. These certificates are designed for employees of industries where pest management is an important issue, such as urban/landscape pest control and plant production industries, or for individuals who desire to work in these areas.

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 (nine credits are transferable), 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 or graduate coordinators. Upon successful completion of the courses (grade of C or better), you will be issued a certificate attesting to your completion of the program.

## Certificate in Urban Pest Management

(choose **15 credits** from this list of courses)

ENY 3005 / 5006	Principles of Entomology/Graduate Survey of Entomology (2)
ENY 3005L / 5006L	Principles of Entomology Laboratory (1)
ENY 3222 / 5223	Biology and Identification of Urban Pests (3)
ENY 3225 / 5226	Principles of Urban Pest Management (3)
ENY 3228 / 5228	Urban Vertebrate Pest Management (2)
ENY 4161 / 6166	Insect Classification (3)
ENY 4210	Insects and Wildlife (3)
ENY 4660 / 6665	Medical and Veterinary Entomology (2)
ENY 4660L / 6665L	Medical and Veterinary Entomology Laboratory (1)
ENY 4905 / 5236	Insect Pest and Vector Management (3)

## Certificate in Landscape Pest Management

(choose **15 credits** from this list of courses)

ENY 3005 / 5006	Principles of Entomology/Graduate Survey of Entomology (2)
ENY 3005L / 5006L	Principles of Entomology Laboratory (1)
ENY 3510	Turf and Ornamental Entomology (3)
ENY 4905 / 5236	Insect Pest and Vector Management (3)
IPM 3022* / ENY 6905*	Fundamentals of Pest Management (3)
NEM 3002 / 5002C	Principles of Nematology (3)
PLP 3002C / 5005C	Fundamentals of Plant Pathology (4)

\* Available by Polycom only at RECs

## Certificate in Pest Control Technology

Choose **21 credits** of coursework selected from the certificates in Urban Pest Management and Landscape Pest Management, plus 3 credits ENY 4228 Pesticide Application.