

New Program Proposal

Date Submitted: 01/17/25 3:01 pm

Viewing: **ENPLMS-ENTO : Entomology and Plant Pathology: Entomology Concentration**

Last edit: 03/04/25 3:43 pm

Changes proposed by: hutch

Submitter:	User ID:	hutch	Phone:
575.5389			
Program Status	Active		
Academic Level	Graduate		
Type of proposal	Concentration		
Select a reason for this new program	Adding New Concentration		
Effective Catalog Year	Fall 2026		
College/School Code	Bumpers College of Agricultural, Food, and Life Sciences (AFLS)		
Department Code	Department of Entomology and Plant Pathology (ENPL)		
Program Code	ENPLMS-ENTO		
Degree	Master of Science		
CIP Code			

- In Workflow
- 1. AFLS Dean Initial
 - 2. GRAD Dean Initial
 - 3. Director of Curriculum Review and Program Assessment
 - 4. Registrar Initial
 - 5. Institutional Research
 - 6. ENPL Chair
 - 7. ENPL Curriculum Committee
 - 8. AFLS Faculty
 - 9. AFLS Dean
 - 10. Global Campus
 - 11. Provost Review
 - 12. Graduate Council
 - 13. Faculty Senate
 - 14. Provost Final
 - 15. Registrar Final
 - 16. Catalog Editor Final

- Approval Path
- 1. 01/17/25 2:24 pm
Lona Robertson (ljrobert): Rollback to Initiator
 - 2. 01/17/25 2:25 pm
Lona Robertson (ljrobert): Rollback to Initiator
 - 3. 01/17/25 2:46 pm
Vicky Watkins (watkinsv): Rollback to Initiator
 - 4. 01/17/25 2:51 pm
Lona Robertson

- (ljrobert): Rollback to Initiator
5. 02/14/25 11:05 am
Lona Robertson
(ljrobert): Approved for AFLS Dean Initial
6. 02/18/25 1:49 pm
Jim Gigantino
(jgiganti): Approved for GRAD Dean Initial
7. 03/04/25 3:05 pm
Lisa Kulczak
(lkulcza): Approved for Director of Curriculum Review and Program Assessment
8. 03/04/25 3:08 pm
Gina Daugherty
(gdaugher): Approved for Registrar Initial
9. 03/04/25 3:44 pm
Doug Miles
(dmiles): Approved for Institutional Research
10. 03/05/25 8:38 am
Ken Korth (kkorth): Approved for ENPL Chair
11. 03/05/25 8:44 am
Garry McDonald
(gmcdonal): Approved for ENPL Curriculum Committee
12. 03/05/25 3:00 pm
Kristen Gibson

(keg005): Approved
for AFLS Faculty

13. 03/05/25 3:06 pm

Lona Robertson

(ljrobert): Approved
for AFLS Dean

14. 03/05/25 3:09 pm

Suzanne Kenner

(skenner): Approved
for Global Campus

15. 03/06/25 9:00 pm

Jim Gigantino

(jgiganti): Approved
for Provost Review

16. 03/21/25 3:49 pm

Phyllis Howell

(pahowell):
Approved for
Graduate Council

01.1105 - Plant Protection and Integrated Pest Management.

Program Title

Entomology and Plant Pathology: Entomology Concentration

Program Delivery

Method

On Campus

Is this program interdisciplinary between two or more colleges or schools?

No

Do the proposed changes impact any specific course(s) from another college or school?

No

What are the total 30
hours needed to
complete the
program?

Program Requirements and Description

Requirements

Entomology Concentration Core Course Requirements (13 hours)

ENTO 50204	Insect Diversity and Taxonomy	4
ENTO 50503	Insect Ecology	3
ENTO 51503	Insect Pest Management	3
ENTO 61103	Insect Physiology and Molecular Biology	3

A course in statistics for graduate credit is also required.

Program Costs

Covered by the existing program faculty and courses.

Library Resources

Covered by the existing program library collections.

Instructional

Facilities

n/a

Faculty Resources

Covered by the existing program faculty.

List Existing Certificate or Degree Programs
that Support the Proposed Program

Are Similar Programs available in the area?

No

Estimated Student Demand for Program

12

Scheduled Program Review Date

2030.2031

Program Goals and Objectives

Program Goals and Objectives

The M.S. program in Entomology and Plant Pathology seeks to prepare students for impactful careers in research and education in academia, or the private and public sectors. We strive to ensure graduates have a fundamental understanding of entomology, competency in specialty areas, problem-solving and analytical abilities, oral and written communication skills, and demonstrated leadership.

Learning Outcomes

Learning Outcomes

1) Discipline Expertise and Critical Thinking

Graduates will have and be able to apply a broad-based knowledge of the scientific disciplines through coursework and topical seminar courses that involve discussion of contemporary scientific literature.

2) Critical Thinking, Problem Solving, and Technical Skills

Graduates will be able to apply their discipline-based knowledge and critical thinking skills to identify a problem, develop hypotheses, apply and modify existing research methodologies, and critically evaluate their own findings and those of others while adhering strictly to ethical and scientific principles.

3) Communication Skills

Graduates will have the ability to prepare and deliver written and oral communications appropriate for a range of audiences that convey clear, relevant, scientifically sound and memorable messages.

Description and Justification for this request

Description of request	Justification for request
We propose the creation of two concentrations within the ENPL MS program in effort to consolidate two separate graduate programs into one M.S. program in the department.	We are requesting the changes to this program to better serve students and enhance training of professionals in the areas of pest management, microbial and insect research, and disease management in agricultural plants and animals. The new MS program will have several core courses for all students, and elective courses which allow students to concentrate training in either entomology or plant pathology. This model fits well with the structure of our academic unit and reflects changes in our discipline and our faculty makeup. In 2019, the department of Entomology and Plant Pathology was formed via the merger of two formerly independent units. The proposed changes to our MS program will create a much more efficient and effective means to provide a well-rounded curriculum for our students, and ultimately improve workforce training. The outcome should be students that are more broadly trained to deal with problems and questions in agricultural, biological and ecological settings. Over the past several decades, the independent MS programs in entomology or plant pathology sometimes struggled to maintain suitable numbers of graduates. Combining these two disciplines within a single program should

Description of request	Justification for request
	alleviate those issues, and more importantly will provide a more robust educational program for our students. These changes take good advantage of the changes to our faculty expertise and the positive synergism that has resulted.

Upload attachments

[Letter of Notification Form_ENPL MS.pdf](#)

Reviewer Comments

Lona Robertson (ljrobert) (01/17/25 2:24 pm): Rollback: Rollback per Lindsay's request.

Lona Robertson (ljrobert) (01/17/25 2:25 pm): Rollback: Per Lindsay's request

Vicky Watkins (watkinsv) (01/17/25 2:46 pm): Rollback: sending back per dept request

Lona Robertson (ljrobert) (01/17/25 2:51 pm): Rollback: Per Lindsay's request

Lisa Kulczak (lkulcza) (03/04/25 3:04 pm): ATTENTION REGISTRAR: Please remove Undergraduate Council from the workflow.

Gina Daugherty (gdaugherty) (03/04/25 3:08 pm): Undergraduate Council removed from workflow.

Doug Miles (dmiles) (03/04/25 3:43 pm): Changing CIP code to match the major's new CIP

Key: 1012