

New Program Proposal

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

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

Last edit: 03/04/25 3:44 pm

Changes proposed by: hutch

Submitter: 575.5389	User ID: hutch	Phone:
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-PLPA	
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 2:47 pm
Vicky Watkins (watkinsv): Rollback to Initiator
2. 01/17/25 2:50 pm
Lona Robertson (ljrobert): Rollback to Initiator
3. 02/14/25 11:05 am
Lona Robertson (ljrobert): Approved for AFLS Dean Initial
4. 02/18/25 1:49 pm
Jim Gigantino

- (jgiganti): Approved
for GRAD Dean
Initial
5. 03/04/25 3:05 pm
Lisa Kulczak
(lkulcza): Approved
for Director of
Curriculum Review
and Program
Assessment
6. 03/04/25 3:09 pm
Gina Daugherty
(gdaugher):
Approved for
Registrar Initial
7. 03/04/25 3:44 pm
Doug Miles
(dmiles): Approved
for Institutional
Research
8. 03/05/25 8:40 am
Ken Korth (kkorth):
Approved for ENPL
Chair
9. 03/05/25 8:44 am
Garry McDonald
(gmcdonal):
Approved for ENPL
Curriculum
Committee
10. 03/05/25 3:00 pm
Kristen Gibson
(keg005): Approved
for AFLS Faculty
11. 03/05/25 3:05 pm
Lona Robertson
(ljrobert): Approved
for AFLS Dean
12. 03/05/25 3:15 pm
Suzanne Kenner

(skenner): Approved for Global Campus
 13. 03/06/25 9:00 pm
 Jim Gigantino
 (jgiganti): Approved for Provost Review
 14. 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: Plant Pathology 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 hours needed to complete the program? 30

Program Requirements and Description

Requirements

Plant Pathology Concentration Core Course Requirements (13 hours)

PLPA 52203	Plant Disease Control	3
PLPA 53003	Advanced Plant Pathology: Host-Pathogen Interactions	3
PLPA 53103	Advanced Plant Pathology: Ecology and Epidemiology	3
PLPA 54004	Diseases of Economic Crops	4

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 12

Demand for Program

Scheduled Program 2030-2031

Review Date

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 plant pathology, 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
<p>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.</p>	<p>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 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.</p>

Upload attachments

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

Reviewer Comments

Vicky Watkins (watkinsv) (01/17/25 2:47 pm): Rollback: sending back per dept request

Lona Robertson (ljrobert) (01/17/25 2:50 pm): Rollback: Per Lindsay's request

Lisa Kulczak (lkulcza) (03/04/25 3:05 pm): ATTENTION REGISTRAR: Please remove Undergraduate Council from the workflow.

Gina Daugherty (gdaugher) (03/04/25 3:09 pm): Undergraduate Council removed from workflow.

Doug Miles (dmiles) (03/04/25 3:44 pm): Changing CIP code to match the major's new CIP