

Date Submitted: 10/09/18 12:03 pm

Viewing: **ENTOMS : Entomology, Master of Science**

Last edit: 10/15/18 6:15 pm

Changes proposed by: jorgense

Catalog Pages Using
this Program

[Entomology\(ENTO\)](#)

Submitter: **4795756628** User ID: **jorgense** Phone:

Program Status **Active**

Academic Level Graduate

Type of proposal **Major/Field of Study**

Select a reason for this modification

Making Minor Changes to an Existing Degree (e.g. changing 15 or fewer hours, changing admission/graduation requirements, adding Focused Study)

Are you adding a concentration?

No

Are you adding a track?

No

Are you adding a focused study?

No

Effective Catalog Year Fall 2019

College/School Code

Bumpers College of Agricultural, Food, and Life Sciences(AFLS)

Department Code

Department of **Entomology and Plant Pathology(ENPL)** ~~Entomology(ENTO)~~

In Workflow

1. **AFLS Dean Initial**
2. **GRAD Dean Initial**
3. **Director of Program Assessment and Review**
4. **Registrar Initial**
5. **Institutional Research**
6. **ENTO Chair**
7. **ENTO Curriculum Committee**
8. **AFLS Faculty**
9. **AFLS Dean**
10. **Global Campus**
11. **Provost Review**
12. **University Course and Program Committee**
13. Graduate Committee
14. Faculty Senate
15. Provost Final
16. ADE Licensure Approval
17. Provost's Office-- Notification of Approval
18. Registrar Final
19. Catalog Editor Final

Approval Path

1. 02/17/18 10:05 am
Lona Robertson
(ljrobert): Rollback to Initiator

Program Code ENTOMS
 Degree Master of Science
 CIP Code

2. 02/20/18 12:30 pm
Lona Robertson
(ljrobert): Rollback
to Initiator
3. 02/23/18 7:55 am
Lona Robertson
(ljrobert): Approved
for AFLS Dean Initial
4. 02/25/18 2:10 pm
Pat Koski (pkoski):
Approved for GRAD
Dean Initial
5. 02/27/18 11:32 am
Alice Griffin
(agriffin): Approved
for Director of
Program
Assessment and
Review
6. 06/26/18 2:59 pm
Karen Turner
(kjvestal): Approved
for Registrar Initial
7. 06/28/18 10:58 am
Terry Kirkpatrick
(kirkpatr): Approved
for ENTO Chair
8. 10/08/18 1:25 pm
Jefferson Miller
(jdmiller): Rollback
to Initiator
9. 10/08/18 2:24 pm
Lona Robertson
(ljrobert): Approved
for AFLS Dean Initial
10. 10/08/18 2:26 pm
Pat Koski (pkoski):
Approved for GRAD
Dean Initial

11. 10/09/18 11:39 am
Alice Griffin
(agriffin): Rollback
to Initiator
12. 10/12/18 12:43 pm
Lona Robertson
(ljrobert): Approved
for AFLS Dean Initial
13. 10/12/18 2:35 pm
Pat Koski (pkoski):
Approved for GRAD
Dean Initial
14. 10/12/18 3:20 pm
Alice Griffin
(agriffin): Approved
for Director of
Program
Assessment and
Review
15. 10/15/18 6:15 pm
Lisa Kulczak
(lkulcza): Approved
for Registrar Initial
16. 10/16/18 7:24 am
Gary Gunderman
(ggunderm):
Approved for
Institutional
Research
17. 10/23/18 7:50 pm
Ken Korth (kkorth):
Approved for ENTO
Chair
18. 10/24/18 10:04 am
Jefferson Miller
(jdmiller): Approved
for ENTO
Curriculum
Committee

19. 10/24/18 10:52 am
Douglas Karcher
(karcher): Approved
for AFLS Faculty
20. 10/28/18 10:33 am
Lona Robertson
(ljrobert): Approved
for AFLS Dean
21. 10/30/18 8:46 am
Miran Kang (kang):
Approved for Global
Campus
22. 10/30/18 8:51 am
Terry Martin
(tmartin): Approved
for Provost Review

26.0702 - Entomology.

Program Title

Entomology, Master of Science

Program Delivery

Method

On Campus

Is this program interdisciplinary?

No

Does this proposal impact any courses from another College/School?

No

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

Program Requirements and Description

Requirements

Requirements for the Master of Science Degree: Students studying for the Master of Science degree with a limited undergraduate background in entomology may be expected to complete more than the minimum

number of credit hours (30) required for the **degree**.

~~degree~~:

A thesis, reporting **of** original research, and a final comprehensive oral examination **also** are required.

Specific requirements follow:

General Course Requirements: The degree program and coursework for each candidate will be arranged on an individual basis. M.S. students must register for a minimum of 30 hours of graduate credit including 6 thesis hours.

Prerequisite Requirements: ENTO 3013. Introductory Entomology (Fa) or its equivalent. 3 hours.

Core Course Requirements: The student must take or have taken courses equivalent to:

ENTO 3013	Introduction to Entomology	3
ENTO 4024	Insect Diversity and Taxonomy	4
ENTO 4053	Insect Ecology	3
ENTO 4123	Insect Pest Management	3
ENTO 5013	Morphology of Insects	3
ENTO 5024	Course ENTO 5024 Not Found	
ENTO 5053	Course ENTO 5053 Not Found	
ENTO 5153	Insect Pest Management	3
ENTO 6113	Insect Physiology and Molecular Biology	3

A course in statistics for graduate credit is also required.

Seminar Requirements: Two semester hours of seminar are required. Seminar hours may be taken in Entomology (ENTO 6071) or, with Department Head approval, as a formal for-credit seminar offered in another department within the university. In addition, each student is required to present a seminar on his/her thesis research plans during the first year of the degree program and an exit seminar on the thesis research prior to leaving the program.

Residence Requirements: A minimum of 30 weeks in residence is required for the M.S. degree.

Grade Point Average Requirement: A minimum 3.00 GPA must be maintained. If the cumulative GPA falls below 3.00, or research or general academic progress is unsatisfactory, the student's performance will be **re-evaluated** ~~reevaluated~~ by the Advisory Committee and a recommendation made on continued status as a graduate student. For details about this process, please see the Graduate Student Handbook on the departmental Web site.

Comprehensive Examination: A comprehensive oral examination covering coursework and defense of the thesis research is required. The examination is generally taken during the student's final semester.

Students should also be aware of Graduate School requirements with regard to master's degrees.

Are Similar Programs available in the area?

No

Estimated Student
Demand for Program **12**

Scheduled Program **2025-2026**

Review Date

Program Goals and Objectives

Program Goals and Objectives

The M.S. programs in Entomology seeks to prepare students for careers in research, education, and outreach 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 ability, 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 entomology through coursework and topical seminar courses that involve discussion of pertinent 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 design original research and interpret research results through statistical inference. All students are prepared in analytical skills and use those skills in defense of a dissertation.

3) Communication Skills.

Graduates will be able to communicate effectively. Students are prepared to communicate through written and oral presentations in courses, seminar presentations, presentations at scientific meetings and outreach presentations of non-technical material to the public.

Description and justification of the request

Description of specific change	Justification for this change
<p>Removing ENTO 3013 from the core course requirements. Moving to a required prerequisite.</p> <p>Removing ENTO 5013 from required core courses. Course removed from AFLSPH-ENTO and committee voted that it should be removed from ENTOMS also.</p> <p>Changing course numbers for formerly dual-level courses with 4000-level numbers only.</p> <p>ENTO 5024 Insect Diversity and Taxonomy.</p> <p>ENTO 5053 Insect Ecology.</p>	<p>Does not meet ADHE rules.</p> <p>Entomology curriculum committee discussed. Faculty voted.</p> <p>The intention was always for it to be a prerequisite for the program and not a core required course.</p> <p>Committee agrees that too many core courses were required.</p> <p>This course, ENTO 5013, was determined to be better suited as an elective option allowing the degree program to be better tailored to individual student needs.</p>

Upload attachments

Reviewer Comments

Lona Robertson (ljrobert) (02/17/18 10:05 am): Rollback: The learning outcomes listed are not learning outcomes. Please go back to the assessment documents for the program learning outcomes

Lona Robertson (ljrobert) (02/20/18 12:30 pm): Rollback: Please call Vicky Watkins for formatting issues.

Alice Griffin (agriffin) (02/26/18 11:36 am): Revised program review date.

Alice Griffin (agriffin) (02/27/18 11:32 am): Changed effective date from fall 2018 to fall 2019. It is too late to complete the approval process in time for this fall's catalog.

Jefferson Miller (jdmiller) (10/08/18 1:25 pm): Rollback: Rolled back to ENTO department to allow for further updates per Donn Johnson.

Alice Griffin (agriffin) (10/09/18 11:39 am): Rollback: Please adjust 4000-level classes to the graduate level sections.

Alice Griffin (agriffin) (10/12/18 3:20 pm): Both classes in red have been submitted for approval.

Lisa Kulczak (lkulcza) (10/15/18 6:15 pm): New ENTO courses "not found" in approval process for fall 2019. Since this proposal was just submitted, I took the liberty of updating the department to the new, joint ENPL dept.

Key: 271