Date Submitted: 06/25/18 12:45 pm

# Viewing: CSESMS : Crop, Soil & Environmental Science, Master of Science

## Last edit: 10/11/18 2:55 pm

Changes proposed by: msavin

Catalog Pages Using this Program

Crop, Soil and Environmental Sciences (CSES)

Submitter: User ID: **drkidd** Phone: **5752347**

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 Crop, Soil and Environmental Sciences(CSES)

## In Workflow

1. **AFLS Dean Initial**
2. **GRAD Dean Initial**
3. **Director of Program Assessment and Review**
4. **Registrar Initial**
5. **Institutional Research**
6. **CSES Chair**
7. **CSES 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. Provost's Office--Notification of Approval
17. Registrar Final
18. Catalog Editor Final

## Approval Path

1. 12/11/17 3:41 pm Michael Evans (mrevans): Approved for AFLS Dean Initial
2. 12/11/17 3:50 pm Pat Koski (pkoski):

| | |
|---|---|
| Program Code | CSESMS |
| Degree | Master of Science |
| CIP Code | |

Approved for GRAD Dean Initial

3. 12/14/17 2:11 pm Alice Griffin (agriffin): Approved for Director of Program Assessment and Review
4. 12/14/17 4:39 pm Lisa Kulczak (lkulcza): Approved for Registrar Initial
5. 12/14/17 4:52 pm Robert Bacon (rbacon): Approved for CSES Chair
6. 06/25/18 9:15 am Jefferson Miller (jdmiller): Rollback to Initiator
7. 06/25/18 4:45 pm Lona Robertson (ljrobert): Approved for AFLS Dean Initial
8. 06/25/18 4:50 pm Pat Koski (pkoski): Approved for GRAD Dean Initial
9. 07/03/18 2:41 pm Alice Griffin (agriffin): Approved for Director of Program Assessment and Review
10. 07/25/18 1:27 pm Lisa Kulczak (lkulcza): Approved for Registrar Initial

11. 07/25/18 1:40 pm Gary Gunderman (ggunderm): Approved for Institutional Research
12. 07/25/18 2:01 pm Robert Bacon (rbacon): Approved for CSES Chair
13. 08/15/18 4:34 pm Jefferson Miller (jdmiller): Approved for CSES Curriculum Committee
14. 09/24/18 11:47 am Douglas Karcher (karcher): Approved for AFLS Faculty
15. 09/24/18 1:13 pm Lona Robertson (ljrobert): Approved for AFLS Dean
16. 09/24/18 4:20 pm Miran Kang (kang): Approved for Global Campus
17. 10/08/18 8:02 am Terry Martin (tmartin): Approved for Provost Review
18. 10/29/18 10:42 am Alice Griffin (agriffin): Approved for University Course and Program Committee
19. 12/18/18 4:36 pm Pat Koski (pkoski): Approved for

Graduate Committee

01.1102 - Agronomy and Crop Science.

Program Title

Crop, Soil & Environmental Science, 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 hours needed to complete the program?

**30**

## Program Requirements and Description

Requirements

**Requirements for the Master of Science Degree:**

~~Thesis option:~~Minimum of 24 semester hours of course work as outlined by the student's graduate advisory committee plus six semester hours of thesis credit. The student will be given an oral examination after the thesis is completed.

~~Non-Thesis M.S.option:Some students wishing to obtain an M.S.degree may be better served by a program that emphasizes additional course work in the environmental and crop sciences rather than the research thesis program.Students must be approved by the department's Graduate Committee for admission into the non-thesis option before developing a program of study in concert with the student's major adviser and his/her graduate advisory committee.A minimum of 33 hours of graduate-level course work is required, including a graduate statistics class, a communication course, preferably CSES 5103 Scientific Presentations, a 3-hour research experience taken as CSES 502V Special Problems Research, that requires the student to demonstrate scientific thinking, synthesizing, and writing skills, a minimum of 9 hours of graduate courses at the 5000 level or higher in the plant, soil, or other relevant sciences in addition to the communication ( CSES 5103) and Special Problems Research ( CSES 502V) courses, and an exit seminar.The student will interact with his/her major adviser and graduate advisory committee in completing the agreed-upon course of study and must pass an oral and a~~

~~written examination given by the advisory committee over all course work completed for the degree.~~ 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 **34**

Scheduled Program Review Date **2019-2020**

Program Goals and Objectives

| Program Goals and Objectives |
| --- |
| **Graduates have the discipline-specific knowledge in crop, weed, soil, water, and environmental sciences required to perform successfully in appropriate-level private, government, or academic positions.**<br><br>**Graduates are able to critically analyze, synthesize, and evaluate new information to make informed decisions.**<br><br>**Graduates have the ability to solve complex, multidisciplinary problems.**<br><br>**Graduates are able to prepare and synthesize information to effectively communicate, both orally and in writing, with technical or scientific and non-technical audiences.**<br><br>**Graduates have expertise in research and analytical skills through completion of a thesis research project.** |

Learning Outcomes

| Learning Outcomes |
| --- |

| Learning Outcomes |
| --- |
| **Students will demonstrate the appropriate depth and breadth of discipline specific knowledge required to function as advanced crop, weed, environmental, soil, or water science professionals.**<br><br>**Students will demonstrate the ability to critically evaluate situations or scenarios to arrive at well thought out and supported decisions and outcomes.**<br><br>**Students will demonstrate the ability to work through and solve complex, multidisciplinary problems.**<br><br>**Communication skills**<br>**a. Students will demonstrate the skills required to effectively communicate technical/scientific information in oral platforms to general and professional audiences.**<br>**b. Students will demonstrate the ability to integrate, organize, and effectively present written reports of technical/scientific information to general and professional audiences.**<br><br>**Students will demonstrate mastery of research and analytical skills (e.g. conceptual, statistics, laboratory or field skills, etc.) required to function as advanced crop, weed, environmental, soil, or water science scientists.** |

Description and justification of the request

| Description of specific change | Justification for this change |
| --- | --- |
| Deleted the non-thesis option | The Department no longer offer a non-thesis option for a Masters Degree. No students are pursuing the non-thesis opiton. The program has not been offered in 6 years. |

Upload attachments

Reviewer Comments

**Alice Griffin (agriffin) (12/14/17 1:26 pm):** Removed the phrase "Thesis option" from catalog copy with permission from the department.
**Alice Griffin (agriffin) (12/14/17 1:29 pm):** Updated program review date.
**Jefferson Miller (jdmiller) (06/25/18 9:15 am):** Rollback: Text regarding the non-thesis option needs to be deleted. Mary Savin requested that the proposal be rolled back to allow her to make the edit.
**Alice Griffin (agriffin) (06/26/18 11:27 am):** Changed effective catalog date from fall 2018 to fall 2019.

**Alice Griffin (agriffin) (10/11/18 2:55 pm):** Inserted program goals and student learning outcomes from most recent assessment report.

Key: 201