ATTACHMENT **6B**

ADD, CHANGE OR DELETE UNIT, PROGRAM REQUIREMENTS, OR ACADEMIC POLICIES

Complete this form consistent with the instructions in Academic Policy 1622.20. Use the form to add, change, or delete a program or unit or to change program policies. Proposed additions and changes must be consistent with Academic Policies 1100.40 and 1621.10 and any other policies which apply.

SECTION I: Approvals

_____
Department / Program Chair   Date Submitted

_____
College Dean   Date

_____
Honors College Dean   Date

_____
Core Curriculum Committee   Date

_____
University Course and Programs Committee   Date

_____
Vice Provost for Distance Education   Date
(for on-line programs)

_____
Graduate Council Chair   Date

_____
Faculty Senate Chair   Date

_____
Provost   Date

_____
Board of Trustees Approval/Notification Date

_____
Arkansas Higher Education Coordinating Board Approval/Notification Date

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SECTION II: Profile Data - Required Information and Name Change Information

Academic Unit: ☒ Major/Field of Study   ☐ Minor   ☐ Other Unit _____   ☐ Policy

Level: ☐ Undergraduate   ☒ Graduate   ☐ Law   Effective Catalog Year _____

Program changes are effective with the next available catalog. See Academic Policy Series 1622.20

Current Name   **MS, Crop, Soil and Environmental Sciences**

College, School, Division **AFLS**   Department Code **CSES**

Current Code (6 digit Alpha) **CSESMS**   Proposed Code (6 digit Alpha) _____
          Prior approval from the Office of the Registrar is required.

☐ Interdisciplinary Program   CIP Code **01.1102**
          Prior assignment from Office of Institutional Research is required.

Proposed Name _____
When a program name is changed, enrollment of current students reflects the new name.

SECTION III: Add a New Program/Unit

☐ For new program proposals, complete Sections II and VII and use as a cover sheet for a full program proposal as described in 'Criteria and Procedures for Preparing Proposals for New Programs in Arkansas.' ADHE
http://www.adhe.edu/divisions/academicaffairs/Pages/academicaffairs.aspx

☐ Program proposal uses courses offered by another academic college, and that college dean's office has been notified. The signature of the dean of that academic college is required here: _____

SECTION IV: Eliminate an Existing Program/Unit

Code/Name _____   Effective Catalog Year _____

No new students admitted to program after Term: ___ Year: _____
Allow students in program to complete under this program until Term: ___ Year: _____

SECTION V: Proposed Changes to an Existing Program or Program Policies

Insert here a statement of the exact changes to be made: _____

Check if either of these boxes apply and provide the necessary signature:

☐ Program change proposal adds courses offered by another academic college, and that college dean's office has been notified. The signature of the dean of that academic college is required here: _____

☐ Program change proposal deletes courses offered by another academic college, and that college dean's office has been notified. The signature of the dean of that academic college is required here: _____

Check all the boxes that apply and complete the required sections of the form:

☐ Change of Name and Code (Complete only sections I, II, V and VII.)
☐ Change Course Requirements: (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)
☐ Change Delivery Site/Method (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)
☐ Change Total Hours (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)
☒ Change in Program Policies

SECTION VI: Justification

Justify this change and state its likely effect on any other degree program (including those outside the school or college). Identify any program or program components (other than courses) to be eliminated if this program is implemented. (Program and course change forms must also be submitted for such related changes.)

The CSES graduate program is eliminating the non-thesis option for the M.S. Degree. The non-thesis option has not been used for esveral years. Because our department is an applied science program, the faculty believe that thesis research is a fundamental part of a graduate degree and would prefer to only admit sudents interested in research acticity. This change will not affect any other graduate or other academic program. The proposed change would only eleminate the non-thesis option for M.S. students.

SECTION VII: Catalog Text and Format

In the box below, insert the current catalog text which is to be changed, with changes highlighted with the color yellow. Include all proposed changes identified in Section V. Only changes explicitly stated in Section V will be considered for approval by the University Course and Programs Committee, the Graduate Council and the Faculty Senate. If you are proposing a new program, give proposed text with all of the elements listed below. If you are proposing modified text, include these elements as appropriate.

Include the following elements, in order, in the catalog text for proposed undergraduate program(s) or program changes:

- State complete major/program name
- Briefly define or describe the major/program or discipline.
- Identify typical career goals or paths for graduates. (Optional)
- State admission requirements (if any) for entry or entry into upper/advanced level of major/program.
- Identify location in catalog of university, college/school, and department/program requirements which the student must meet in addition to hours in the major, but do not restate these requirements.
- State course requirements in the major and any allied areas, giving number of hours and specific courses; specify electives or elective areas and give numbers of hours and courses in elective pools or categories; identify any other course requirements.
- State any other requirements (required GPA, internship, exit exam, project, thesis, etc.).
- Identify name and requirements for each concentration (if any).
- Specify whether a minor or other program component is allowed or required and provide details.
- State eight-semester plan requirements

For minors, state requirements in terms of hours, required courses, electives, etc.

For graduate program/units, include elements (as needed) parallel to those listed for undergraduate programs above.

For Law School program/units, prepare text consistent with current catalog style.

For centers, prepare text consistent with current catalog style.

Crop, Soil, and Environmental Sciences (CSES)

R. K. Bacon
Department Head
115 Plant Sciences Building
479-575-2354
E-mail: raamstr@uark.edu

http://cses.uark.edu/

Degrees Conferred:

M.S., Ph.D. (CSES)

Areas of Study: Crop sciences, soil sciences, and environmental sciences. Areas of specialization within these concentrations include plant breeding and genetics, biotechnology, water quality, environmental science, crop physiology, crop production, weed science, pesticide residue, seed technology, soil chemistry, soil classification, soil fertility, soil microbiology, and soil physics.

Primary Areas of Faculty Research: Environmental, soil, and water science (bioremediation, soil and water quality, microbial ecology, nutrient management, natural resource management using GIS); plant sciences (plant breeding and genetics, plant biotechnology, plant physiology, weed science), and agronomic production science.

Prerequisites to Degree Programs: While extensive undergraduate training in agriculture and physical and biological science is desirable, no specific prerequisites are required. Deficiencies in undergraduate major or prerequisites for advanced courses may be included in the student's program.

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.~~

Requirements for the Doctor of Philosophy Degree: After a student has been admitted to the Graduate School and accepted by the department as being qualified for advanced work, the student is assigned to a major adviser. The major adviser will, in consultation with the department head, select a graduate committee. This

committee will serve both in an advisory capacity for the student's program and as the dissertation and examination committee. The student's graduate advisory committee will determine the number of hours of course work to be completed for the degree.

The student must take candidacy examinations (prelims) in at least five fields of study after completing approximately two years of graduate study and at least one year before completing all other requirements. Preliminary examinations must be written and oral. Further details regarding requirements for the Doctor of Philosophy degree are available in the department office.

SECTION VIII: Action Recorded by Registrar's Office

PROGRAM INVENTORY/DARS

PGRM _____ SUBJ _____ CIP _____ CRTS _____

DGRE _____ PGCT _____ OFFC&CRTY VALID _____

REPORTING CODES

PROG. DEF. _____ REQ. DEF.

Initials _____ Date _____

Distribution

Notification to:
(1) College   (2) Department   (3) Admissions   (4) Institutional Research   (5) Continuing Education   (6) Graduate School
(7) Treasurer   (8) Undergraduate Program Committee

8/19/13