

**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 _____	Graduate Council Chair _____	Date _____
College Dean _____	Date _____	Faculty Senate Chair _____	Date _____
Honors College Dean _____	Date _____	Provost _____	Date _____
Core Curriculum Committee _____	Date _____	Board of Trustees Approval/Notification Date _____	
University Course and Programs Committee _____	Date _____	Arkansas Higher Education Coordinating Board Approval/Notification Date _____	

**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 **BSA, Crop Management**

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

Current Code (6 digit Alpha) **CPMGBS** Proposed Code (6 digit Alpha) **CPSCBS**  
 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 **BSA, Crop Science**  
 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/aa\\_academicproposals.aspx](http://www.adhe.edu/divisions/academicaffairs/Pages/aa_academicproposals.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:

- A. Change the name of the major to CROP SCIENCE from Crop Management to attract more students interested in science into the major and change the alpha code from CPMGBS to CPSCBS.
- B. Crop Management major changes**
1. Change to Chemistry requirement from CHEM 1103, 1101L and CHEM 1123, 1121L to CHEM 1103, 1101L or CHEM 1073, CHEM 1071L.
  2. Require either CSES 4143 OR CSES 4133 in the Pest Management section of the CPMG major. This option gives us a Fall/Spring choice for a 4000 level course required for the major.
  3. Add Weed ID, Morphology and Ecology (CSES 4133) as a Fall Semester offering in Group C.
  4. Change Plant Biology requirement from BIOL 1613/1611L to BIOL 1613/1611L or CSES 1203.
  5. Change Physical and Biological Science hours to reflect changes above.
  6. Change requirements for Group A from “at least two courses must be from Group A” to “at least six hours must be from Group A”.
  7. Add CSES 4303 Bioenergy Feedstock Production and ENSC 3103 Plants and Environmental Restoration to Group B course list.
  8. Move HORT 2303 Intro to Turfgrass Management to Group B to retain consist structure of 2-hr courses in Group A, but retain the option to enroll in HORT 2303.
  9. Change elective hours to allow for flexibility in choosing from among the Physical and Biological Sciences course options.

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.)*

**Changes to program that affect total credit hours are being made to accommodate ACT 747. The changes to chemistry will result in a shift from some students who would have taken University Chemistry I to now be taking Fundamentals of Chemistry, but this change does not increase the overall burden on Chemistry in terms of student numbers. The burden on University Chemistry II will be reduced. Changes in the name of the major are being made to more directly appeal to students interested in science degree options. The change to allow CSES 1203 should reduce the burden on Biology of students needing a plant science course to graduate.**

#### **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.**

Courses in the Department of Crop, Soil, and Environmental Sciences provide fundamental and applied studies in two majors:

- **Crop Science (CPSC)**
- **Environmental, Soil, and Water Science (ESWS).**

Areas studied within the Crop Science major include crop management, production agriculture, plant breeding and genetics, crop and forage production, pest management (weeds, insects, and plant diseases), and soil fertility. The Environmental, Soil, and Water Science major includes courses in areas such as environmental science, water quality, soil science, soil and water conservation, and the sustainable productivity of natural resources.

Many graduates from both majors also choose to continue their education in graduate programs in a wide variety of disciplines both related and complementary to the B.S.A. degrees.

David E. Longer  
CPMG Coordinator  
115 Plant Sciences Building  
479-575-2354

Opportunities for employment and post-graduate study are numerous for graduates of the Department of Crop, Soil, and Environmental Sciences. Crop Management graduates become involved in crop production or find employment in public agencies providing support services for agriculture (e.g., Extension Service, State Plant Board, Natural Resources Conservation Service), or as consultants serving production agriculture, in the agricultural and seed industries, and in agricultural research programs.

The crop management major includes courses in crop science, production agriculture, plant breeding and genetics, crop and forage production, pest management (weeds, insects, and plant diseases), and soil fertility.

#### **Requirements for a Major in Crop Science (CPSCBS)**

State minimum core and discipline specific general education requirements.

(Course work that meets [state minimum core](#) requirements is in **bold**.)

Communications (15 hours)

\_\_\_ Choose from **English Core** courses (6 hours) If exempt, see adviser for communications courses

\_\_\_ ENGL 2003 Advanced Composition or ENGL 3053 Technical and Report Writing

\_\_\_ COMM 1313 Public Speaking

\_\_\_ CSES 3023 CSES Colloquium

U.S. History or Government (3 hours)

\_\_\_ Choose from **U.S. History Core** courses

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Mathematics and Computer Science (6 hours)

- \_\_ Choose from **MATH Core** courses
  - \_\_ AGME 2903 Applications of Microcomputers or
  - \_\_ AGST 4023 Principles of Experimentation or
  - \_\_ STAT 2303 Principles of Statistics
- (Students minoring in Agricultural Business should choose AGME 2903.)

Sciences (18-20 hours)

- \_\_ **BIOL 1543/1541L** Principles of Biology and lab
- \_\_ **CSES 1203 Plant Science** or **BIOL 1613/1611L** Plant Biology and lab
- \_\_ **CHEM 1103/1101L** University Chemistry I and labor
- \_\_ **CHEM 1073/1071L Fundamentals of Chemistry and lab**
- \_\_ CHEM 2613/2611L Organic Physiological Chemistry and lab
- \_\_ BIOL 4303 Plant Physiology or ANSC/POSC 3123 Principles of Genetics or BIOL 2323 General Genetics

Fine Arts and Humanities (6 hours)

- \_\_ Choose from **Fine Arts, Humanities Core** courses (3 hours)

Social Sciences (9 hours)

- \_\_ **AGEC 1103** Principles of Agricultural Microeconomics
  - \_\_ Choose from **Social Sciences Core** courses (6 hours total, 3 hours must be outside AGEC/ECON discipline).
- Students minoring in Agricultural Business should choose AGEC 2103.

**CPSC** Requirements (27 hours)

General Agronomy (19 hours)

- \_\_ CSES 1011 Introduction to Crop, Soil, and Environmental Science
- \_\_ CSES 2103/2101L Crop Science and lab
- \_\_ CSES 2203/2201L Soil Science and lab
- \_\_ CSES 4013 Advanced Crop Science
- \_\_ CSES 4224 Soil Fertility with lab component
- \_\_ CSES 462V Internship or CSES 400V Special Problems (3 hours)

Choose 8 hours from Group A or B. At least 6 hours must be from Group A.

Group A:

- \_\_ CSES 3112 Forage Management
- \_\_ CSES 3312 Cotton Production
- \_\_ CSES 3322 Soybean Production
- \_\_ CSES 3332 Rice Production
- \_\_ CSES 3342 Cereal Grain Production

Group B:

- \_\_ CSES 3214 Soil Resources and Nutrient Cycles
- \_\_ CSES 4103 Plant Breeding with lab component

**CSES 4303 Bioenergy Feedstock Production**

- \_\_ CSES 4253 Soil Classification and Genesis with lab component
- \_\_ CSES 355V Soil Profile Description (1-2 hours)
- \_\_ CSES 400V Special Problems (1-6 hours)

**ENSC 3013 Environmental Science**

**HORT 2303 Introduction to Turfgrass Management**

- \_\_ PLPA 4333 Biotechnology in Agriculture

Pest Management (10 hours)

- \_\_ ENTO 3013 Introduction to Entomology
- \_\_ PLPA 3004 Principles of Plant Pathology
- \_\_ CSES 4133 Weed ID, Morphology and Ecology or
- \_\_ **CSES 4143 Principles of Weed Control**

Electives for a minor: Choose 9 hours from either Group C or Group D

Group C (Pest Management):

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Mary Cathleen Savin 10/2/12 6:18 PM

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Deleted: \_\_ **HORT 2303** Introduction to Turfgrass Management

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Deleted: \_\_ **CSES 4234** Plant Anatomy with lab component

\_\_ CSES 4143 Principles of Weed Control [or](#)  
[CSES 4133 Weed ID, Morphology and Ecology](#)  
 \_\_ PLPA 4223 Plant Disease Control  
 \_\_ ENTO 4123 Insect Pest Management or ENTO 4133 Advanced Applied Entomology  
 Group D (Agricultural Business):  
 \_\_ AGEC 2303 Introduction to Agribusiness  
 \_\_ AGEC 3403 Farm Business Management  
 \_\_ AGEC 3303 Food and Agricultural Marketing or  
 \_\_ AGEC 3373 Futures and Options Markets or  
 \_\_ AGEC 3413 Principles of Environmental Economics or  
 \_\_ AGEC 4313 Agricultural Business Management  
 General Electives ([16-17](#)hours)

**120 Total Hours**

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Jody Davis 10/2/12 9:13 AM

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### 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

5/12/08