ATTACHMENT 3A

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	
Vice Provost for Distance Education (for on-line programs)	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 2014

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

Current Name **BA, Computer Science and Computer Engineering**

College, School, Division **ENGR** Department Code **CSCE**

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

☐ Interdisciplinary Program CIP Code **11.0101**
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: 1. Accept AP credit for incoming students who take the AP Computer Science A Exam. Students who score a 5 on the exam will receive credit for CSCE 2004, students who score a 3 or 4 on the exam, must pass a departmental test to receive credit for CSCE 2004. 2. Updating the curriculum to meet ADHE guidelines: a) remove CSCE 1953 as a required course, b) remove the BA Study Areas and replace with 9 hours of CSCE electives at 3000-level or above, c) add CSCE 2114 Digital Design and CSCE 2214 Computer Organization as required classes, d) replace PHIL 2003 Logic with PHIL 3103 Ethics and the Profession, e) remove 5 hours of free electives, and e) make 3 hours of free electives at the 3000-level or above.

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 proposed changes will strengthen the degree program by adding more content to the major courses. The two courses being added to the program are sophomore courses that will provide prerequisite knowledge for a majority of CSCE electives.

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.

Computer Science and Computer Engineering

The Bachelor of Arts in Computer Science degree has the same educational objectives as the Bachelor of Science degree. However, the course requirements differ greatly to allow students to double major. ~~or pursue interests in Geosciences, Information Systems or Mathematics~~.

Degree Program Changes

Students must meet all requirements of their degree programs and are expected to keep informed concerning current regulations, policies, and program requirements in their fields of study. Changes made in the curriculum at a level beyond that at which a student is enrolled might become graduation requirements for that student. Changes made in the curriculum at a level lower than the one at which a student is enrolled are not required of that student. Students should consult their departmental adviser for additional information.

Computer Science B.A. Eight-Semester Degree Program

The following sections contain the list of courses required for the Bachelor of Arts in Computer Science (B.A.) degrees with a suggested sequence~~s~~ below.

Not all courses are offered every semester, so students who deviate from the suggested sequence must pay careful attention to course scheduling and course prerequisites. Students wishing to follow the eight-semester degree plan should see the Eight-Semester Degree Policy in the Academic Regulations chapter for university requirements of the program.

First Year	Units	
	Fall	Spring
~~CSCE 1953 Explorations in Computing (Fa)~~	~~3~~	
ENGL 1013 Composition I (ACTS Equivalency = ENGL 1013) (Sp, Su, Fa)	3	
MATH 2554 Calculus I (ACTS Equivalency = MATH 2405) (Sp, Su, Fa)	4	
Social Science Elective	3	
Select one of the following:	3	
HIST 2003 History of the American People to 1877 (ACTS Equivalency = HIST 2113) (Sp, Su, Fa)		
HIST 2013 History of the American People, 1877 to Present (ACTS Equivalency = HIST 2123) (Sp, Su, Fa)		
PLSC 2003 American National Government (ACTS Equivalency = PLSC 2003) (Sp, Su, Fa)		
CSCE 2004 Programming Foundations I (Sp, Fa)		4
CSCE 2114 Digital Design		4
MATH 2603 Discrete Mathematics		3
ENGL 1023 Composition II (ACTS Equivalency = ENGL 1023) (Sp, Su, Fa)		3
~~Fine Arts Elective (from University Core)~~	~~-~~	~~3~~
~~Two Free Electives~~	~~-~~	~~6~~
Year Total:	~~16~~ 13	~~16~~ 14

Second Year	Units	
	Fall	Spring

CSCE 2014 Programming Foundations II (Sp, Fa)	4	
CSCE 2214 Computer Organization	4	
~~MATH 2603 Discrete Mathematics (Sp, Su, Fa)~~	~~3~~	
Social Science Elective (from University Core)	3	
Fine Arts	3	
~~Two~~ Free Electives	~~4~~ 3	
CSCE 3193 Programming Paradigms		3
COMM 1313 Public Speaking		3
~~ENGL 3053 Technical and Report Writing (ACTS Equivalency = ENGL 2023) (Sp, Fa)~~		~~3~~
STAT 2303 Principles of Statistics (ACTS Equivalency = MATH 2103) (Sp)		3
~~Social Science Elective~~		~~3~~
Two Free Electives		6
Year Total:	~~14~~ 17	15

Third Year	Units	
	Fall	Spring
~~CSCE 3193 Programming Paradigms (Sp, Fa)~~	~~3~~	
~~COMM 1313 Public Speaking (ACTS Equivalency = SPCH 1003) (Sp, Su, Fa)~~	~~3~~	
CSCE elective (3000-level or higher)	3	
ENGL 3053 Tech/Report Writing	3	
Science Elective (from University Core)	4	
Two Free Electives	6	
~~CSCE Elective (1)~~	~~-~~	~~3~~
~~Study Area (1st Course)~~	~~-~~	~~3~~
CSCE elective (3000-level or higher)		3
PHIL 3103 Ethics and the Profession		3
~~PHIL 2203 Logic (ACTS Equivalency = PHIL 1003) (Sp, Su, Fa) (Free Elective (3000-level or Higher))~~		~~3~~
Social Science elective (from University Core)		3
~~Free Elective (3000-level or Higher)~~	~~-~~	~~3~~
Two Free Electives		~~3~~ 5
Year Total:	16	~~15~~ 14

Fourth Year	Units	
	Fall	Spring
~~CSCE Elective (2)~~	~~3~~	
~~Study Area (2nd Course)~~	~~3~~	
Two CSCE elective (3000-level or higher)	6	
Science Elective (from University Core)	4	
Two Free Electives (3000-level or Higher)	~~3~~ 6	
~~CSCE Elective (3)~~	~~-~~	~~3~~
~~Study Area (3rd Course)~~	~~-~~	~~3~~
Two CSCE Elective (3000-level or Above)		~~3~~ 6

Three Free Electives (3000-level or higher)		~~3~~ 9
~~CSCE Elective (3000-level or Above)~~	~~-~~	~~3~~
Year Total:	~~13~~ 16	15

Total Units in Sequence: 120

~~*~~ ~~Students who have sufficient background in programming may substitute three hours of CSCE 2000+ coursework for CSCE 1953.~~

~~**~~ ~~Students who complete the Enterprise Resource Planning sequence will receive a SAP certificate (See Below)~~

~~-~~

~~Study Areas (must meet all requirements of one and only one study area):~~

~~Computer Science~~

~~Three additional CSCE courses 2000-level or above~~

~~Enterprise Resource Planning~~

~~WCOB 4213~~	~~ERP Fundamentals (Sp, Fa)~~	~~3~~
~~WCOB 4223~~	~~ERP Configuration and Implementation (Fa)~~	~~3~~
~~ISYS 4233~~	~~Seminar in ERP Development (Sp)~~ ~~**~~	~~3~~

~~Enterprise Systems~~

~~WCOB 4213~~	~~ERP Fundamentals (Sp, Fa)~~	~~3~~
~~ISYS 4453~~	~~Introduction to Enterprise Servers (Fa)~~	~~3~~
~~ISYS 4463~~	~~Enterprise Transaction Systems (Sp)~~	~~3~~

~~Business Applications~~

~~WCOB 4213~~	~~ERP Fundamentals (Sp, Fa)~~	~~3~~
~~ISYS 3293~~	~~Systems Analysis and Design (Sp, Fa)~~	~~3~~
~~ISYS 3393~~	~~Business Application Development Fundamentals (Sp)~~	~~3~~

~~Mathematics~~

~~Select three of the following~~		~~9~~
~~MATH 3083~~	~~Linear Algebra (Sp, Su, Fa)~~	
~~MATH 3103~~	~~Combinatorial and Discrete Mathematics (Sp)~~	
~~MATH 4253~~	~~Symbolic Logic I (Fa)~~	
~~MATH 4353~~	~~Numerical Linear Algebra (Sp)~~	
~~MATH 4363~~	~~Numerical Analysis (Fa)~~	

~~Geoinformatics~~

~~GEOS 3543~~	~~Geographic Information Science (Fa)~~	~~3~~
~~Select two of the following:~~		~~6~~
~~GEOS 4413~~	~~Principles of Remote Sensing (Fa)~~	
~~GEOS 4553~~	~~Introduction to Raster GIS (Fa)~~	
~~GEOS 4583~~	~~Vector GIS (Sp)~~	
~~GEOS 4593~~	~~Introduction to Global Positioning Systems (Fa)~~	
~~GEOS 4863~~	~~Quantitative Techniques in Geosciences (Sp)~~	

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