Program Change Request

Date Submitted: 12/12/17 1:55 pm

Viewing: **CSCEBA : Computer Science, Bachelor of Arts**

Last approved: 06/07/16 8:36 am

Last edit: 12/14/17 8:56 am

Changes proposed by: srh

Catalog Pages Using
this Program
  Computer Science B.A.
  Computer Science and Computer Engineering (CSCE)

Submitter: User ID: crsleaf1   Phone:
    575-6731

Program Status   Active

Academic Level   Undergraduate

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 2018

College/School Code
    College of Engineering(ENGR)

In Workflow
1. **ENGR Dean Initial**
2. **Director of Program Assessment and Review**
3. **Registrar Initial**
4. **CSCE Chair**
5. **ENGR Curriculum Committee**
6. **ENGR Faculty**
7. **ENGR Dean**
8. **Global Campus**
9. **Provost Review**
10. **University Course and Program Committee**
11. **Faculty Senate**
12. Provost Final
13. Provost's Office-- Notification of Approval
14. Registrar Final
15. Catalog Editor Final

Approval Path
1. 12/12/17 1:08 pm Norman Dennis (ndennis): Rollback to Initiator
2. 12/13/17 3:23 pm Norman Dennis (ndennis): Approved for ENGR Dean Initial
3. 12/14/17 8:56 am

Department Code

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. 12/15/17 9:14 am
Xiaoqing Liu
(frankliu): Approved
for CSCE Chair

6. 12/15/17 9:39 am
Manuel Rossetti
(rossetti): Approved
for ENGR
Curriculum
Committee

7. 12/19/17 1:09 pm
Norman Dennis
(ndennis): Approved
for ENGR Faculty

8. 12/19/17 1:10 pm
Norman Dennis
(ndennis): Approved
for ENGR Dean

9. 12/20/17 11:34 am
Kiersten Bible
(kbible): Approved
for Global Campus

10. 01/08/18 1:04 pm
Terry Martin
(tmartin): Approved
for Provost Review

11. 01/29/18 9:39 am
Alice Griffin
(agriffin): Approved
for University

Course and Program
Committee

History

1. Aug 15, 2014 by
   Leepfrog
   Administrator
   (clhelp)
2. Jun 15, 2015 by
   Charlie Alison
   (calison)
3. Jun 7, 2016 by
   Charlie Alison
   (calison)

Department of Computer Science and Computer Engineering(CSCE)

Program Code   CSCEBA

Degree   Bachelor of Arts

CIP Code

11.0101 - Computer and Information Sciences, General.

Program Title

Computer Science, Bachelor of Arts

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   **120**
hours needed to
complete the
program?

Program Requirements and Description

Requirements

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 other interests.

Humanities and social science electives are selected from the University Core Requirements listed in the Catalog of Studies. To satisfy the University Core, all CSCE students are required to take the following 18 hours of humanities/social science courses:

PHIL 3103	Ethics and the Professions (Sp, Su, Fa)	3
Fine Arts from Category "A"		3
U.S. History or Government		3
Social Science		9

The Undergraduate Handbook has a list of approved basic science, mathematics, and technical electives. Any course not included in these lists requires faculty approval.

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 other interests.

8-Semester Plan

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 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
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 (Sp, Fa)		4
ENGL 1023 Composition II (ACTS Equivalency = ENGL 1023) (Sp, Su, Fa)		3
MATH 2603C Discrete Mathematics (Sp, Su, Fa)		3
Year Total:	13	14

Second Year	Units	
	Fall	Spring
CSCE 2014 Programming Foundations II (Sp, Fa)	4	
CSCE 2214 Computer Organization (Sp, Fa)	4	
Social Science Elective (from University Core)	3	
Fine Arts	3	
Free Elective	3	
CSCE 3193 Programming Paradigms (Sp, Fa)		3
COMM 1313 Public Speaking (ACTS Equivalency = SPCH 1003) (Sp, Su, Fa)		3
STAT 2303 Principles of Statistics (ACTS Equivalency = MATH 2103) (Sp, Su, Fa)		3
Two Free Electives		6
Year Total:	17	15

Third Year	Units

Are Similar Programs available in the area?

No

Estimated Student   NA
Demand for Program

Scheduled Program   **2024-2025** ~~NA~~
Review Date

Program Goals and
Objectives

Program Goals and Objectives
Program Goals for the BA degree in Computer Science **Computer Science graduates will:** **Enhance Arkansas' and the nation's information technology industry.** **Engage in advanced study of Computer Science and other fields, including engineering, law, medicine, and business.** **Possess a sufficiently broad education to be inquisitive, well-informed reasoning members of their profession and society.** **Understand human, social and ethical issues so that they will be good employees or employers, citizens and neighbors.** ~~NA~~

Learning Outcomes

Learning Outcomes
BA Student learning outcomes: **Posses an ability to apply knowledge of computing and mathematics appropriate to the discipline.** **Possess an ability to analyze a problem, and identify and define the computing requirements appropriate to its solution.** **Possess an ability to design, implement and evaluate a computer-based system, process, component, or program to meet desired needs.** **Possess an understanding of professional, ethical, legal, security and social issues and responsibilities.** **Possess an ability to communicate effectively with a range of audiences.** ~~NA~~

Description and justification of the request

Description of specific change	Justification for this change
We are adding CSCE 3513 Software Engineering and CSCE 3613	Changes of this nature were suggested in

Description of specific change	Justification for this change
Operating Systems as required courses and removing 6 hours of CSCE elective courses.	a recent program review of the BA program.

Upload attachments

Reviewer Comments

Norman Dennis (ndennis) (12/12/17 1:08 pm): Rollback: please list all program goals and objectives.

Alice Griffin (agriffin) (12/14/17 8:56 am): Updated program review date.

Key: 479

Description of specific change	Justification for this change
Operating Systems as required courses and removing 6 hours of CSCE elective courses.	