

# Computer Science B.A.

## 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 (<http://catalog.uark.edu/undergraduatecatalog/academicregulations/eightsemesterdegreecompletionpolicy/>) in the Academic Regulations chapter for university requirements of the program.

Scholarship students may need to take General Elective hours in First Year, Fall and Spring Semesters, as well as the Third Year, Spring Semester for 15 semester hours.

First Year	Units	
	Fall	Spring
ENGL 1013 Composition I (ACTS Equivalency = ENGL 1013) (Satisfies General Education Outcome 1.1)	3	
MATH 2554 Calculus I (ACTS Equivalency = MATH 2405) (Satisfies General Education Outcome 2.1) <sup>1</sup>	4	
Social Sciences Elective Satisfies General Education Outcomes (3.3 and 4.1) <sup>2</sup>	3	
Select one of the following Satisfies General Education Outcomes (3.2 and 4.2)	3	
HIST 2003 History of the American People to 1877 (ACTS Equivalency = HIST 2113)		
HIST 2013 History of the American People, 1877 to Present (ACTS Equivalency = HIST 2123)		
CSCE 2004 Programming Foundations I	4	
CSCE 2114 Digital Design	4	
ENGL 1023 Composition II (ACTS Equivalency = ENGL 1023) (Satisfies General Education Outcome 1.1)	3	
or ENGL 1033 Technical Composition II (ACTS Equivalency = ENGL 1023)		
MATH 2603 Discrete Mathematics		3
Year Total:	13	14

Second Year	Units	
	Fall	Spring
CSCE 2014 Programming Foundations II	4	
CSCE 2214 Computer Organization	4	
Fine Arts Elective (Satisfies General Education Outcome 3.1) <sup>3</sup>	3	
Social Sciences Elective (Satisfies General Education Outcome 3.3) <sup>4</sup>	3	
General Elective	3	

CSCE 3193 Programming Paradigms		3
COMM 1313 Public Speaking (ACTS Equivalency = SPCH 1003) (Satisfies General Education Outcomes 1.2 and 5.1)		3
STAT 2303 Principles of Statistics (ACTS Equivalency = MATH 2103)		3
Two General Electives		6
Year Total:	17	15

Third Year	Units	
	Fall	Spring
CSCE 3513 Software Engineering (Satisfies General Education Outcome 6.1)	3	
ENGL 3053 Technical and Professional Writing (ACTS Equivalency = ENGL 2023)	3	
Science Elective (Meets State Minimum Core and Satisfies General Education Outcome 3.4)	4	
Two General Electives	6	
PHIL 3103 Ethics and the Professions <sup>5</sup>		3
CSCE 3613 Operating Systems		3
Social Science Elective (Satisfies General Education Outcome 3.3) <sup>3</sup>		3
Two General Electives		5
Year Total:	16	14

Fourth Year	Units	
	Fall	Spring
Two CSCE electives (3000 level or higher)	6	
Science Elective (Meets State Minimum Core and Satisfies General Education Outcome 3.4)	4	
Two General Electives (3000 level or higher)	6	
Two CSCE electives (3000 level or higher)		6
Three General Electives (3000 level or Higher)		9
Year Total:	16	15

Total Units in Sequence: 120

<sup>1</sup> Students have demonstrated successful completion of the learning indicators identified for learning outcome 2.1, by meeting the prerequisites for MATH 2554.

<sup>2</sup> The Social Sciences Elective courses which satisfy General Education Outcomes 3.3 and 4.1 include: ANTH 1023, COMM 1023, HDFS 1403, HDFS 2413, HIST 1113, HIST 1123, HIST 2093, HUMN 1114H, HUMN 2114H, INST 2013, INST 2813, INST 2813H, PLSC 2013, PLSC 2813, PLSC 2813H, RESM 2853, SOCI 2013, SOCI 2013H, or SOCI 2033.

<sup>3</sup> The Fine Arts Elective courses which satisfy General Education Outcome 3.1 include: ARCH 1003, ARHS 1003, COMM 1003, DANC 1003, LARC 1003, MLIT 1003, MLIT 1003H, MLIT 1013, MLIT 1013H, MLIT 1333, THTR 1003, THTR 1013, or THTR 1013H.

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<sup>4</sup> The Social Sciences Elective courses which satisfy General Education Outcome 3.3 include: AGECE 1103, AGECE 2103, ANTH 1023, COMM 1023, ECON 2013, ECON 2023, ECON 2143, EDST 2003, HDFS 1403, HDFS 2413, HDFS 2603, HIST 1113, HIST 1113H, HIST 1123, HIST 1123H, HIST 2003, HIST 2013, HIST 2093, HUMN 1114H, HUMN 2114H, INST 2013, INST 2813, INST 2813H, PLSC 2003, PLSC 2013, PLSC 2203, PLSC 2813, PLSC 2813H, PSYC 2003, RESM 2853, SOCI 2013, SOCI 2013H, SOCI 2033. Note, courses cannot be counted twice in degree requirements.

<sup>5</sup> PHIL 3103 also meets Humanities Elective for State Minimum Core and Satisfies General Education Outcomes 3.2 and 5.1.