

**ARKANSAS STATE UNIVERSITY  
COLLEGE OF ENGINEERING AND COMPUTER SCIENCE**

**NAME:** \_\_\_\_\_  
**STUDENT ID:** \_\_\_\_\_

**DEGREE AND MAJOR:** **B. S., COMPUTER SCIENCE**  
**MINOR (if applicable):** \_\_\_\_\_

**CATALOG YEAR:** **2019 - 2020**  
**revised:** **06/11/19**

	substitution or transfer course #	grade
<b>FIRST YEAR MAKING CONNECTIONS: 3 hrs.</b>		
CS 1093: Making Connections CS	_____	_____
UC 1013: Making Connections	_____	_____

<b>GENERAL EDUCATION REQUIREMENTS: 36 hrs.</b>		
<b>Communication: 9 hrs.</b>		
ENG 1003: Composition I	_____	_____
ENG 1013: Composition II	_____	_____
COMS 1203: Oral Communication	_____	_____

<b>Mathematics: 4 hrs.</b>		
MATH 2204: Calculus I	_____	_____

<b>Fine Arts and Humanities: 6 hrs.</b>		
<u>Fine Arts (one of next three)</u>		
ART 2503: Fine Arts - Visual	_____	_____
MUS 2503: Fine Arts - Musical	_____	_____
THEA 2503: Fine Arts - Theatre	_____	_____
<u>Humanities (one of next three)</u>		
ENG 2003: Intro Literature of Western World I	_____	_____
ENG 2013: Intro Literature of Western World II	_____	_____
PHIL 1103: Intro to Philosophy	_____	_____

<b>Social Sciences: 9 hrs.</b>		
<u>Economics (one of next two)</u>		
ECON 2313: Principles of Macroeconomics	_____	_____
ECON 2333: Economic Issues & Concepts	_____	_____
<u>Understanding Global Issues (one of next eight)</u>		
ANTH 2233: Intro to Cultural Anthropology	_____	_____
GEOG 2613: Intro to Geography	_____	_____
HIST 1013: World Civilization To 1660	_____	_____
HIST 1023: World Civilization Since 1660	_____	_____
CMAC 1003: Mass Communication in Modern Society	_____	_____
POSC 1003: Introduction to Politics	_____	_____
PSY 2013: Introduction to Psychology	_____	_____
SOC 2213: Introduction to Sociology	_____	_____
<u>U. S. History or Government (one of next three)</u>		
HIST 2763: The United States To 1876	_____	_____
HIST 2773: The United States Since 1876	_____	_____
POSC 2103: Intro to U. S. Government	_____	_____

<b>Science: 8 hrs.</b>		
<u>Life Sciences (one of next four and BIOL 1001)</u>		
BIOL 1003: Biological Science	_____	_____
BIOL 1033: Biology of Sex	_____	_____
BIOL 1043: Plants and People	_____	_____
BIOL 1063: People and the Environment	_____	_____
BIOL 1001: Biological Science Laboratory	_____	_____
<u>Physical Sciences (one of next two)</u>		
PHYS 2034: University Physics I	_____	_____
PHYS 2073: Fundamental Physics I and	_____	_____
PHYS 2074: Fundamental Physics I Laboratory	_____	_____

<b>MAJOR REQUIREMENTS: 75 hrs.</b>		
<b>Computer Science (required): 32 hrs.</b>		
CS 2114: Structured Programming	_____	_____
CS 2124: OOP & Fundamental Data Structures	_____	_____
CS 3113: Algorithms & Adv Data Structures	_____	_____
CS 3123: Programming Languages	_____	_____
CS 3223: Computer Organization	_____	_____
CS 3233: Operating Systems	_____	_____
CS 4113: Software Engineering	_____	_____
CS 4143: Java and Application Development	_____	_____
CS 4543: Database Systems	_____	_____
CS 4713: Analysis of Algorithms	_____	_____

<b>Computer Science (electives): 12 hrs.</b>		
<i>Junior/Senior CS courses, may include MATH 4533</i>		
_____	_____	_____
_____	_____	_____
_____	_____	_____

<b>Mathematics and Statistics: 13 hrs.</b>		
MATH 2183: Discrete Structures	_____	_____
MATH 2214: Calculus II	_____	_____
MATH 3243: Linear Algebra	_____	_____
STAT 3233: Applied Statistics I	_____	_____

<b>Science: 8 hrs.</b>		
CHEM 1013: General Chemistry I and	_____	_____
CHEM 1011: General Chemistry I Lab	_____	_____
PHYS 2044: University Physics II or	_____	_____
PHYS 2083: Fundamental Physics II and	_____	_____
PHYS 2081: Fundamental Physics II Laboratory	_____	_____

<b>Electrical Engineering: 4 hrs.</b>		
EE 3333: Digital Electronics I and	_____	_____
EE 3331: Digital Electronics I Lab	_____	_____

<b>English: 3 hrs.</b>		
ENG 3043: Technical Writing	_____	_____

<b>Philosophy: 3 hrs.</b>		
PHIL 3723: Computers, Ethics & Society	_____	_____

<b>FREE ELECTIVES: 6 hrs.</b>		
<i>Electives must complete 120 earned hours for the degree.</i>		
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Note: Substitutions to major requirements must be accompanied by student petition approved by CS Curriculum Committee.

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**Graduation Check List**

**Current Enrollment:**

English proficiency  
(C or better in ENG 1003 & 1013) \_\_\_\_\_

\_\_\_\_\_

2.00 average overall \_\_\_\_\_

\_\_\_\_\_

2.00 average in major \_\_\_\_\_

\_\_\_\_\_

2.00 average at A-State \_\_\_\_\_

\_\_\_\_\_

120 hours for degree \_\_\_\_\_

\_\_\_\_\_

18 of last 24 hours on A-State campus \_\_\_\_\_

\_\_\_\_\_

24 CS hours on A-State campus \_\_\_\_\_

\_\_\_\_\_

32 resident hours \_\_\_\_\_

45 Jr/Sr hours after 30 hours \_\_\_\_\_

Minimum 57 hours from 4-year institutions \_\_\_\_\_

Maximum 31 hours  
corr/ext/exam/CLEP/MS/USAFI  
(maximum 30 hours by exam/CLEP) \_\_\_\_\_

The above named student has met all requirements for graduation providing he/she satisfactorily completes the courses of current enrollment. If correspondence or transfer credit, official transcript must be filed with registrar at least three weeks prior to graduation.

\_\_\_\_\_  
Adviser Date

\_\_\_\_\_  
Chair of Computer Science Date

\_\_\_\_\_  
Dean of Engineering and Computer Science Date