

2022-2023 Degree Map-Bachelor of Science in Computer Science Education

This map is a term-by-term sample course schedule. The milestones listed to the right of each term are designed to keep you on course to graduate in four years. The Sample Schedule serves as a general guideline to help you build a full schedule each term. See course descriptions and prerequisites at <http://www.atu.edu/catalog/>

Possible careers include: Computer Science Teacher

#Prerequisite Courses: ENGL 0303 _____ MATH 0803 _____ MATH 1003 _____ MATH 0903 _____ MATH 1113 _____ MATH 1110 _____ MATH 1203 _____ MATH 1914 _____

Sample Schedule	Milestones/Notes	
Semester 1	Hrs.	Grade
ENGL 1013- Comp I (ACTS=ENGL 1013)	3	#
MATH 1113- College Algebra (ACTS= MATH 1103) or higher	3	#
TECH 1001- Orientation to the University	1	
Social Sciences	3	
CSEC 1113- Introduction to Networking	3	#
COMS 1333- Web and Mobile Technologies	3	#
Total hours	16	GPA

Sample Schedule	Milestones/Notes	
Semester 2	Hrs.	Grade
ENGL 1023- Comp II (ACTS= ENGL 1023)	3	#
Fine Arts & Humanities	3	
COMS 1013- Programming I	3	#
COMS 1011- Programming I Lab	1	#
COMS 2703- Computer Hardware & Architecture	3	#
COMS 2713- Survey of Operating Systems	3	#
Total hours	16	GPA

Sample Schedule	Milestones/Notes	
Semester 3	Hrs.	Grade
SEED 2002- Education as a Profession	2	#
COMS 2203- Programming II	3	#
Science with Lab	4	
MATH 2703-Discrete Mathematics	3	#
CSEC 2213- Network Forensics and Incident Response	3	#
Total hours	15	GPA

Sample Schedule	Milestones/Notes	
Semester 4	Hrs.	Grade
COMM 2173- Business & Prof. Speaking OR COMM 2003- Public Speaking	3	#
U.S. History/Government	3	
ENGL 2053-Technical Writing (ACTS=ENGL 2023)	3	#
COMS 2213- Data Structures	3	#
STAT 2163- Intro to Statistical Methods (pre-req MATH 1003 or higher)	3	#
Total hours	15	GPA

The Arkansas Course Transfer System (ACTS) is designed to assist in planning the academic progress of students. This system contains information about the transferability of courses within Arkansas public colleges and universities. The Arkansas Course Transfer System can be accessed at <https://www.adhe.edu/students-parents/colleges-universities/transfer-info-for-students/>
The elective courses placed in the degree should be used by students to take either COMS courses or courses in another area that the student would like to get certified (i.e. mathematics, business - both of which offer a minor). This will make graduates more marketable

Fine Arts and Humanities ART 2123 Experiencing Art (ACTS=ARTA1003) MUS 2003 Introduction to Music (ACTS=MUSC1003) TH 2273 Introduction to Theatre (ACTS=DRAM 1003) ENGL 2173 Introduction to Film JOUR 2173 Introduction to Film ENGL 2183 Honors Introduction to Film ENGL 2003 Introduction to World Literature (ACTS=ENGL2113) ENGL 2013 Intro. to American Literature (ACTS=ENGL2653) ENGL 2023 Honors World Literature PHIL 2003 Introduction to Philosophy (ACTS=PHIL1103) PHIL 2043 Honors Introduction to Philosophy PHIL 2053 Introduction to Critical Thinking (ACTS=PHIL 1003)	U.S. History & Government HIST 1903 Survey of American History HIST 2003 United States History to 1877 (ACTS=HIST2113) HIST 2043 Honors United States History to 1877 HIST 2013 United States History from 1877 (ACTS=HIST2123) POLS 2003 American Government (ACTS=PLSC2003) Science with Lab BIOL 1014- Intro. to Biological Science (ACTS= BIOL1004) ENV5 1004- Principles of Environmental Science GEOL 1014- Physical Geology (ACTS= GEOL 1114) PHSC 1013/1021- Physical Sci/Lab (ACTS= PHSC 1004)
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Sample Schedule	Milestones/Notes	
Semester 5	Hrs.	Grade
Social Sciences	3	#
COMS 3053- Ethical Issues in Technology	3	#
COMS 3233- Data Design and Implementation	3	#
COMS 3413- App Development	3	#
*Elective	3	
Total hours	15	GPA

Sample Schedule	Milestones/Notes	
Semester 6	Hrs.	Grade
Fine Arts & Humanities	3	
SEED 3702- Introduction to Educational Technology	2	#
COMS 3243- Data Mining	3	#
Science with Lab	4	
*Elective	3	
Total hours	15	GPA

Sample Schedule	Milestones/Notes	
Semester 7	Hrs.	Grade
SEED 4054- Educating Developing, Diverse and Exceptional Learners	4	#
SEED 4556- Classroom Application of Educational Psychology	6	#
COMS 4063- IT Project Administration	3	#
COMS 4813- Teaching Methods in Computer Science Ed	3	#
Total hours	16	GPA

Sample Schedule	Milestones/Notes	
Semester 8	Hrs.	Grade
SEED 4503- Seminar in Secondary Education	3	#
SEED 4809- Teaching in Elementary and Secondary School	9	#
Total Hours	12	GPA

General Electives: 6 hours

indicates a "C" or better is required

*TECH 1013 Introduction to the University is a sub for TECH 1001 Orientation to University. General Electives would reduce from 3 hours to 1 hour.

Shaded classes indicate classes toward AAS-Information Technology

Social Sciences
HIST 1503 World History to 1500 (ACTS=HIST1113) HIST 1513 World History since 1500 (ACTS=HIST1123) HIST 1543 Honors World History to 1500 HIST 2003 U.S. History to 1877 (ACTS=HIST2113) HIST 2013 U.S. History since 1877 (ACTS=HIST2123) HIST 2043 Honors U.S. History to 1877 HIST 2003 Survey of American History POLS 1903 American Government (ACTS=PLSC2003) ECON 2003 Principles of Economics I (ACTS=ECON2103) ECON 2103 Honors Principles of Economics I ECON 2013 Principles of Economics II (ACTS=ECON2203) SOC 1003 Introductory Sociology (ACTS=SOCI1013) PSY 2003 General Psychology (ACTS=PSYC1103) ANTH 1213 Intro. to Anthropology (ACTS=ANTH1013) ANTH 2003 Cultural Anthropology (ACTS=ANTH2013) GEOG 2013 Regional Geography of the World (ACTS=GEOG2103) AMST 2003 American Studies FIN 2013 Personal Finance LEAD 1003 Introduction to Leadership