

NAME: \_\_\_\_\_ T#: \_\_\_\_\_



### Bachelor of Science in Computer Science - 8-Semester Guaranteed Program

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/academics/catalog/>.

#### Employment Information: Computer and Information Systems Manager, Computer Programmer, Computer Systems Analyst, and Web Administrator

#Remedial Courses (if applicable): ENGL 0303 \_\_\_\_\_ ENGL 0404 \_\_\_\_\_ READ 0103 \_\_\_\_\_ MATH 0903 \_\_\_\_\_

Prerequisites (if applicable): MATH 1914 (ACTS = MATH 1305) \_\_\_\_\_ or MATH 1203 (ACTS = MATH 1203) \_\_\_\_\_ COMS 1003 (ACTS = CPSI 1003) \_\_\_\_\_

Semester 1 Course Information		Hrs.	Grade	Notes	Semester 5 Course Information		Hrs.	Grade	Notes
ENGL 1013 - Composition I (ACTS = ENGL 1013)		3	#		Science Sequence II		4		See NOTE 1 below.
MATH 2914 - Calculus I (ACTS = MATH 2405)		4			MATH 3153 - Applied Statistics I		3		
U.S. History/Government		3			COMS 2703/2700 - Networks and Architecture/LAB		3		
TECH 1001 - Orientation to the University		1			COMS 3213 - Adv. Data Structures and Algorithm Design		3		
COMS 1403 - Orientation to Computing, Info, & Tech		3		Milestone	COMS 3233 - Data Design and Implementation		3		
COMS 1411 - Computer and Information Science Lab		1		Milestone					
<b>Total hours</b>		<b>15</b>	<b>GPA</b>		<b>Total hours</b>		<b>16</b>	<b>GPA</b>	
Semester 2 Course Information		Hrs.		Notes	Semester 6 Course Information		Hrs.		Notes
ENGL 1023 - Comp II (ACTS = ENGL 1023)		3	#		Fine Arts & Humanities		3		
Social Sciences		3			SPH 2173 - Business and Professional Speaking		3		No substitutions allowed
MATH 2924 - Calculus II (ACTS = MATH 2505)		4		Milestone	COMS 3703- Operating Systems		3		
COMS 2003 - Microcomputer Applications		3		Prerequisite: COMS 1003	COMS 4163 - Personal Software Engineering		3		
COMS 2104 - Foundations of Computer Prog. I		4	#	Milestone	COMS 4703/4700 - Data Comms. and Networks/LAB		3		
<b>Total hours</b>		<b>17</b>	<b>GPA</b>		<b>Total hours</b>		<b>15</b>	<b>GPA</b>	<b>APPLY FOR GRADUATION</b>
Semester 3 Course Information		Hrs.		Notes	Semester 7 Course Information		Hrs.		Notes
ELEG 2134/2130 - Digital Logic Design/ Lab		4			Social Sciences		3		
Fine Arts & Humanities		3			MATH 4003 - Linear Algebra I		3		
COMS 2203 - Foundations of Computer Prog II		3		Milestone	COMS 3053 - Implications of Technology on Society		3		
COMS 2903 - Discrete Structures for Technical Majors		3		Milestone	COMS 4033 - Systems and Analysis and Design I		3		
<b>Total hours</b>		<b>13</b>	<b>GPA</b>		COMS 4103 - Organization of Programming Languages		3		
<b>Total hours</b>		<b>13</b>	<b>GPA</b>		<b>Total hours</b>		<b>15</b>	<b>GPA</b>	
Semester 4 Course Information		Hrs.		Notes	Semester 8 Course Information		Hrs.		Notes
ENGL 2053 - Technical Writing (ACTS = ENGL 2023)		3			COMS 4043 - Systems Analysis and Design II		3		<b>Graduation Requirements:</b>
Science Sequence I		4		See NOTE 1 below.	COMS 4403 - Compiler Design		3		
COMS 2213 - Data Structures		3		Milestone	COMS 4053, 4063, or approved MGMT elective		3		Students must complete 120 hours and achieve a 2.0 GPA or higher with at least 40 hours over 3000 level. No more than 4 hours can be in PE.
COMS 2223 - Computer Organization and Prog.		3			Math or Science Elective		2		
COMS 3913 - Advanced Discrete Structures		3			General Elective (3000-4000)		2		
<b>Total hours</b>		<b>16</b>	<b>GPA</b>	<b>COMS ADVISOR ASSIGNED</b>	<b>Total Hours</b>		<b>13</b>	<b>GPA</b>	

# indicates a "C" or better is required

NOTE 1: Suggested Science Sequence: PHYS 2014/2000 & 2024/2010 or PHYS 2114/2000 & 2124/2010

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 <http://acts.adhe.edu/>

Fine Arts and Humanities	U.S. History & Government	Social Sciences	
ART 2123 - Experiencing Art (ACTS = ARTA 1003)	HIST 1903 - Survey of American History	HIST 1503 - World History to 1500 (ACTS = HIST 1113)	ECON 2013 - Princ of Economics II (ACTS = ECON 2203)
MUS 2003 - Introduction to Music (ACTS = MUSC 1003)	HIST 2003 - U.S. History to 1877 (ACTS = HIST 2113)	HIST 1513 - World History since 1500 (ACTS = HIST 1123)	SOC 1003 - Introductory Sociology (ACTS = SOCI 1013)
TH 2273 - Introduction to Theatre (ACTS = DRAM 1003)	HIST 2043 - Honors U.S. History to 1877	HIST 1543 - Honors World History to 1500	PSY 2003 - General Psychology (ACTS = PSYC 1103)
ENGL 2173 - Introduction to Film	HIST 2013 - U.S. History II (ACTS = HIST 2123)	HIST 2003 - U.S. History to 1877 (ACTS = HIST 2113)	ANTH 2123 - Intro to Anthropology (ACTS = ANTH 1013)
JOUR 2173 - Introduction to Film	POLS 2003 - American Government (ACTS = PLSC 2003)	HIST 2013 - U.S. History since 1877 (ACTS = HIST 2123)	ANTH 2003 - Cultural Anthropology (ACTS = ANTH 2013)
ENGL 2003 - Intro to World Literature (ACTS = ENGL2113)	Science with Lab	HIST 2043 - Honors U.S. History to 1877	GEOG 2013 - Regional Geography (ACTS = GEOG 2103)
ENGL 2013 - Intro to American Literature (ACTS = ENGL 2653)	BIOL 1014 - Intro to Biological Science (ACTS = BIOL 1004)	HIST 1903 - Survey of American History	AMST 2003 - American Studies
ENGL 2023 - Honors World Literature	BIOL/PHSC 1004 - Principles of Environmental Science	POLS 2003 - American Government (ACTS = PLSC 2003)	Speech Courses
PHIL 2003 - Introduction to Philosophy (ACTS = PHIL 1103)	GEOL 1014 - Physical Geology (ACTS = GEOL 1114)	ECON 2003 - Princ of Economics I (ACTS = ECON 2103)	SPH 1003 - Intro to Speech Com (ACTS = SPCH 1003)
PHIL 2043 - Honors Introduction to Philosophy	PHSC 1013/1021 - Physical Sci/Lab (ACTS = PHSC 1004)	ECON 2103 - Honors Principles of Economics I	SPH 2003 - Public Speaking
			SPH 2173 - Business and Professional Speaking