

**2020-2021 Degree Map-Bachelor of Science in Information Technology**

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 and Information Systems Manager, Computer Systems Analyst, IT Administrator, Webmaster

#Prerequisite Courses: ENGL 0303 \_\_\_\_\_ MATH 0803 \_\_\_\_\_ MATH 1003 \_\_\_\_\_ MATH 0903 \_\_\_\_\_ MATH 0900 \_\_\_\_\_ MATH 1113 \_\_\_\_\_ MATH 1110 \_\_\_\_\_ MATH 1203 \_\_\_\_\_ MATH 1914 \_\_\_\_\_ COMS 1003 \_\_\_\_\_ BUAD 2003 \_\_\_\_\_

**Sample Schedule**

Semester 1	Hrs.	Grade	Milestones/Notes	Semester 1
ENGL 1013- Comp I (ACTS=ENGL 1013)	3	#		
Science with Lab	4		PHSC 1013/1021 (ACTS=PHSC 1004) required for AAS-ITAS	
TECH 1001-Orientation to the University	1			
MATH 2243- Calculus for Business (ACTS= MATH 2203)	3	#	Prereq: MATH ACT >22, or # in MATH 1113 or higher Milestone	
COMS 1403- Orientation to Computing, Info, & Tech	3		(Coreq: COMS 1403 & MATH 1113 or higher) Milestone	
COMS 1411- Computer and Information Science Lab	1		(Co-req: COMS 1403) Milestone	
Total hours	15	GPA		

Semester 2	Hrs.	Grade	Milestones/Notes	Semester 2
ENGL 1023- Comp II (ACTS= ENGL 1023)	3	#		
U.S. History/Government	3			
ECON 2003- Principles of Economics I (ACTS= ECON 2103)	3			
COMS 1333- Web Publishing I	3		Prereq: COMS 1003 or BUAD 2003	
COMS 2104- Foundations of Computer Prog. I	4	#	Milestone - Prereq: COMS 1403/1411 & # in MATH 1113 or higher	
Total hours	16	GPA		

Semester 3	Hrs.	Grade	Milestones/Notes	Semester 3
ENGL 2053-Technical Writing (ACTS=ENGL 2023)	3		Prereq: ENGL 1023	
COMS 2203- Foundations of Computer Prog II	3		Milestone - Prereq: # COMS 2104 & # MATH 1113 or higher	
COMS 2333- Web Publishing II	3		Pre-req: COMS 1333	
COMS 2903-Discrete Structures	3		Milestone - Prereq: # COMS 2104 & # MATH 1113 or higher	
COMS 2703- Computer Networks and Architecture	3		Milestone - Prereq: COMS 1403/1411	
COMS 2701- Networking and Architecture Lab	1		Co-Req COMS 2703	
Total hours	16	GPA		

Semester 4	Hrs.	Grade	Milestones/Notes	Semester 4
BUAD 2053- Business Statistics (ACTS=BUSI 2103)	3		Prereq: COMS 2003 or BUAD 2003 & MATH 2223 or higher	
COMS 2213- Data Structures	3		Milestone - Prereq: COMS 2203 & 2903	
COMS 2713- Survey of Operating Systems	3		Prereq: COMS 1403/1411 or COMS 1003	
COMS 2733- Intro to Computer Forensics and Security	3		Prereq: COMS 2703; Coreq: COMS 2713	
COMS Elective (2000-4000 level)	2		COMS 2003 Recommended (Prereq: COMS 1003)	
Total hours	14	GPA	<b>COMS ADVISOR ASSIGNED</b>	

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**

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)

**Sample Schedule**

Semester 5	Hrs.	Grade	Milestones/Notes	Semester 5
Fine Arts & Humanities	3			
COMM 2173- Business and Professional Speaking	3		No substitutions allowed	
COMS 3233- Database Design and Implementation	3		Prereq: COMS 2003 & 2203 & 2903	
COMS 3903- Systems Software and Architecture	3		Prereq: COMS 2703 & 2104	
COMS 4313- Server Administration	3		Prereq: COMS 2703 & 2713	
Total hours	15	GPA		

Semester 6	Hrs.	Grade	Milestones/Notes	Semester 6
Science with Lab	4			
COMS 2163- Scripting Languages	3		Prereq: COMS 1333 and 3-hr programming course	
COMS 3523- Human Factors in IT	3			
COMS 4703- Data Comms. and Networks	3		Prereq: COMS 2703 & 2903; 2223 or 3903	
COMS 4701- Data Comms. and Networks Lab	1		Co-Req COMS 4703	
Total hours	14	GPA	<b>APPLY FOR GRADUATION</b>	

Semester 7	Hrs.	Grade	Milestones/Notes	Semester 7
Social Sciences	3			
COMS 4033- Systems Analysis and Design I	3		Prereq: COMS 3233	
COMS 4213- Database Administration	3			
COMS 4713- Heterogeneous Networks	3		Prereq: COMS 4703	
COMS 4710- Heterogeneous Networks Lab	0			
COMS Elective (3000-4000 level)	3			
Total hours	15	GPA		

Semester 8	Hrs.	Grade	Milestones/Notes	Semester 8
Fine Arts & Humanities	3			
COMS 3053- Implications of Technology on Society	3		<b>Graduation Requirements:</b> Min. hours 3000-4000 level courses: 40 No more than 4 PE activity hours Min. hours required:120 2.00+ GPA	
COMS 4043- Systems Analysis and Design II	3			
COMS 4063- IT Project Administration	3			
General Elective (3000-4000 level)	3			
Total Hours	15	GPA		

General Electives: 3 hours (3000-4000 level)

**Shading indicates courses that would directly apply the AAS-ITAS degree.**

# indicates a "C" or higher is required

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 1903 Survey of American History  
 POLS 2003 American Government (ACTS=PLSC2003)  
 ECON 2003 Principles of Economics I (ACTS=ECON2103)  
 ECON 2103 Honors Principles of Economics I

**Social Sciences**

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