2018-2019 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_____ ENGL 0404_____ READ 0103_____ MATH 0803_____ MATH 1003_____ MATH 0903_____ MATH 0900_____ MATH 1113_____ MATH 1110_____ MATH 1203_____ MATH 1914_____ COMS 1003_____

Sample Schedule — Milestones/Notes

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

Semester 2	Hrs.		Semester 2
ENGL 1023- Comp II (ACTS= ENGL 1023)	3	#	
COMM 2173- Business and Professional Speaking	3		No substitutions allowed
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
Total hours	16	GPA	

Semester 3	Hrs.		Semester 3
ENGL 2053-Technical Writing (ACTS=ENGL 2023)	3		
COMS 2203- Foundations of Computer Prog II	3		Milestone - Prereq: COMS 2104
COMS 2333- Web Publishing II	3		Pre-req: COMS 1333
COMS 2903-Discrete Structures	3		Milestone - Prereq: COMS 2104
COMS 2703/2700- Networks and Architecture/LAB	3		Milestone - Prereq: COMS 1403/1411
Total hours	15	GPA	

Semester 4	Hrs.		Semester 4
BUAD 2053- Business Statistics (ACTS=BUSI 2103)	3		Prereq: COMS 2003 or BUAD 2003 & MATH 2223 or higher
COMS 2003- Microcomputer Applications	3		Prereq: COMS 1003 or BUAD 2003
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
Total hours	15	GPA	**COMS ADVISOR ASSIGNED**

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/

Sample Schedule — Milestones/Notes

Semester 5	Hrs.	Grade	Semester 5
Fine Arts & Humanities	3		
U.S. History/Government	3		
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.		Semester 6
Science with Lab	4		
COMS 2163- Scripting Languages	3		Prereq: 3-hr programming course
COMS 3523- Human Factors in IT	3		
COMS 4703/4700- Data Comms. and Networks/LAB	3		Prereq: COMS 2703 & 2903; 2223 or 3903
General Elective (3000-4000 level)	1		
Total hours	14	GPA	**APPLY FOR GRADUATION**

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

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

General Electives: 4 hours (3000-4000 level)

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

# indicates a "C" or higher is required

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 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)
BIOL/PHSC 1004- Principles of Environmental Science
GEOL 1014- Physical Geology (ACTS= GEOL 1114)
PHSC 1013/1021- Physical Sci/Lab (ACTS= PHSC 1004)

Social Sciences
HIST 1503 World Civilization to 1500 (ACTS=HIST1113)
HIST 1513 World Civilization since 1500 (ACTS=HIST1123)
HIST 1543 Honors World Civilization 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

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