

2017-2018 Degree Map-Bachelor of Science in Information Systems

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: The program in information systems prepares students for careers as application programmers/analysts in a business environment and for further graduate work in information systems.

#Prerequisite Courses: ENGL 0303 _____ ENGL 0404 _____ READ 0103 _____ MATH 0803 _____ MATH 1003 _____ MATH 0903 _____ MATH 0900 _____ MATH 1110 _____ COMS 1003 _____

Sample Schedule

Semester 1	Hrs.	Grade	Milestones/Notes	Semester 1
ENGL 1013- Comp I (ACTS=ENGL 1013)	3	#		
Science with Lab	4			
MATH 2243- Calculus for Business (ACTS= MATH 2203)	3	#	Prereq: MATH ACT 22 or higher Milestone	
TECH 1001-Orientation to the University	1			
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.	Grade	Milestones/Notes	Semester 2
ENGL 1023- Comp II (ACTS= ENGL 1023)	3	#		
U.S. History/Government	3			
ECON 2003- Principles of ECON I (ACTS= ECON 2103)	3			
COMS 2003- Microcomputer Applications	3		Prereq: COMS 1003 or BUAD 2003	
COMS 2104- Foundations of Computer Prog. I	4	#		Milestone
Total hours	16	GPA		

Semester 3	Hrs.	Grade	Milestones/Notes	Semester 3
ENGL 2053-Technical Writing (ACTS=ENGL 2023)	3			
ACCT 2003/2000- Accounting Principles I/Lab (ACTS=2003)	3			
COMS 2203- Foundations of Computer Prog II	3			Milestone
COMS 2903-Discrete Structures	3			Milestone
COMS 2703/2700- Networks and Architecture/LAB	3			
Total hours	15	GPA		

Semester 4	Hrs.	Grade	Milestones/Notes	Semester 4
Social Sciences	3			
BLAW 2033- Legal Environment of Bus.(ACTS=BLAW 2003)	3			
BUAD 2053- Business Statistics (ACTS=BUSI 2103)	3			
COMS 2213- Data Structures	3			Milestone
COMS 3233-Database Design and Implementation	3			
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/>

Fine Arts and Humanities	U.S. History & Government
ART 2123 Experiencing Art (ACTS=ARTA 1003)	HIST 1903 Survey of American History
MUS 2003 Intro to Music (ACTS=MUSC 1003)	HIST 2003 United States History to 1877 (ACTS=HIST2113)
TH 2273 Intro to Theatre (ACTS =DRAM 1003)	HIST 2043 Honors United States History to 1877
ENGL 2173 Intro to Film	HIST 2013 United States History from 1877 (ACTS=HIST2123)
JOUR 2173 Intro to Film	POLS 2003 American Government (ACTS=PLSC2003)
ENGL 2003 Intro to World Literature (ACTS=ENGL 2113)	Science with Lab
ENGL 2013 Intro to American Literature (ACTS=ENGL 2653)	BIOL 1014- Intro. to Biological Science (ACTS= BIOL1004)
ENGL 2023 Honors World Literature	BIOL/PHSC 1004- Principles of Environmental Science
PHIL 2003 Intro to Philosophy (ACTS=PHIL 1103)	GEOL 1014- Physical Geology (ACTS= GEOL 1114)
PHIL 2043 Honors Introduction to Philosophy	PHSC 1013/1021- Physical Sci/Lab (ACTS= PHSC 1004)

Sample Schedule

Semester 5	Hrs.	Grade	Milestones/Notes	Semester 5
COMM 2173- Business and Professional Speaking	3			No substitutions allowed
MGMT 3003- Management and Organizational Behavior	3			
COMS 3513- Administering and Using IBM Platform	3			
COMS 3903- Systems Software and Architecture	3			
General Elective (2000-4000 level)	3			
Total hours	15	GPA		

Semester 6	Hrs.	Grade	Milestones/Notes	Semester 6
Science with Lab	4			
COMS 3243- Data Mining	3			
COMS 3503- Visual Programming	3			
COMS 4703/4700- Data Comms. and Networks/LAB	3			
General Elective (3000-4000 level)	1			
Total hours	14	GPA	APPLY FOR GRADUATION	

Semester 7	Hrs.	Grade	Milestones/Notes	Semester 7
Fine Arts & Humanities	3			
COMS 3053- Implications of Technology on Society	3			
COMS 3163- Web Programming	3			
COMS 4033- Systems Analysis and Design I	3			
COMS 4133- Application Program Development	3			
Total hours	15	GPA		

Semester 8	Hrs.	Grade	Milestones/Notes	Semester 8
Fine Arts & Humanities	3			
MKT 3043- Principles of Marketing	3			Graduation Requirements: 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 4053- Information Systems Res. Mgmt.	3			
COMS Elective (2000-4000 level)	3			
Total Hours	15	GPA		

General Electives: 3 hours (2000-4000 level); 1 hour (3000-4000 level)

indicates a "C" or higher is required

	Social Sciences
HIST 1503 World Civilization to 1500 (ACTS=HIST1113)	ECON 2103 Honors Principles of Economics I
HIST 1513 World Civilization since 1500 (ACTS=HIST1123)	ECON 2013 Principles of Economics II (ACTS=ECON 2203)
HIST 1543 Honors World Civilization to 1500	SOC 1003 Intro Sociology (ACTS=SOCI 1013)
HIST 2003 U.S. History to 1877 (ACTS=HIST2113)	PSY 2003 General Psychology (ACTS=PSYC 1103)
HIST 2013 U.S. History since 1877 (ACTS=HIST2123)	ANTH 1213 Intro to Anthropology (ACTS=ANTH 1013)
HIST 2043 Honors U.S. History to 1877	ANTH 2003 Cultural Anthropology (ACTS=ANTH 2013)
HIST 1903 Survey of American History	GEOG 2013 Rgnl Geog of the World (ACTS=GEOG 2103)
POLS 2003 American Government (ACTS=PLSC2003)	AMST 2003 American Studies
ECON 2003 Principles of Economics I (ACTS=ECON2103)	AGBU 2063 Prin Agri Macroeconomics
ECON 2103 Honors Principles of Economics I	AGBU 2073 Prin Agri Microeconomics