

**2013-2014 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.

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

**Sample Schedule**

Semester 1	Hrs.	Grade	Milestones/Notes	Semester 1
#ENGL 1013-Comp I (ACTS=ENGL 1013)	3			
Science with Lab	4		See list below	
#MATH 2243- Calculus for Business (ACTS= MATH 2203)	3		PR: Math ACT 22 or >	
TECH 1001-Orientation to the University	1			
COMS 1403- Orientation to Computing, Info, & Tech	3		See course descrip. for pre & coreqs.	
COMS 1411- Computer and Information Science Lab	1		See course descrip. for pre & coreqs.	
<b>Total hours</b>	<b>15</b>	<b>GPA</b>		

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		See course description for prereqs.	
#COMS 2104- Foundations of Computer Prog. I	4		Milestone	
<b>Total hours</b>	<b>16</b>	<b>GPA</b>		

Semester 3	Hrs.	Grade	Milestones/Notes	Semester 3
ENGL 2053-Technical Writing (ACTS=ENGL 2023)	3			
ACCT 2003- Accounting Principles 1 (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			
<b>Total hours</b>	<b>15</b>	<b>GPA</b>		

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			
<b>Total hours</b>	<b>15</b>	<b>GPA</b>	<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	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 U.S. History I (ACTS=HIST 2113)
TH 2273 Intro to Theatre (ACTS=DRAM 1003)	HIST 2043 Honors U.S. History I
ENGL 2173 Intro to Film	HIST 2013 U.S. History II (ACTS=HIST 2123)
JOUR 2173 Intro to Film	POLS 2003 American Government (ACTS=PLSC 2003)
ENGL 2003 Intro to World Literature (ACTS=ENGL 2113)	<b>Science with Lab</b>
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)

Prerequisites (if applicable): MATH 1113 (ACTS=MATH1103) \_\_\_\_, COMS 1003 (ACTS=CPSI1003) \_\_\_\_

**Sample Schedule**

Semester 5	Hrs.	Grade	Milestones/Notes	Semester 5
SPH 2173- Business and Professional Speaking	3		No substitutions allowed	
COMS 3243- Data Mining	3			
COMS 3513- Administrating and Using IBM	3			
COMS 3903- Systems Software and Architecture	3			
General Elective (2000-4000 level)	3			
<b>Total hours</b>	<b>15</b>	<b>GPA</b>		

Semester 6	Hrs.	Grade	Milestones/Notes	Semester 6
Science with Lab	4			
MGMT 3003- Management and Organizational Behavior	3			
COMS 3503- Visual Programming	3			
COMS 4703/4700- Data Comms. and Networks/LAB	3			
General Elective (3000-4000 level)	1			
<b>Total hours</b>	<b>14</b>	<b>GPA</b>	<b>APPLY FOR GRADUATION</b>	

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			
<b>Total hours</b>	<b>15</b>	<b>GPA</b>		

Semester 8	Hrs.	Grade	Milestones/Notes	Semester 8
Fine Arts & Humanities	3			
MKT 3043- Principles of Marketing	3			
COMS 4043- Systems Analysis and Design II	3			
COMS 4053- Information Systems Res. Mgmt.	3			
COMS Elective (2000-4000 level)	3			
<b>Total Hours</b>	<b>15</b>	<b>GPA</b>		

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

# indicates a "C" or better is required

General Electives	Social Sciences
HIST 1503 World Civilization (ACTS=HIST 1113)	ECON 2103 Honors Principles of Economics I
HIST 1513 World Civilization II (ACTS=HIST 1123)	ECON 2013 Principles of Economics II (ACTS=ECON 2203)
HIST 1543 Honors World Civilization I	SOC 1003 Intro Sociology (ACTS=SOCI 1013)
HIST 2003 U.S. History I (ACTS=HIST 2113)	PSY 2003 General Psychology (ACTS=PSYC 1103)
HIST 2013 U.S. HISTORY II (ACTS=HIST 2123)	ANTH 1213 Intro to Anthropology (ACTS=ANTH 1013)
HIST 2043 Honors U.S. History I	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=PLSC 2003)	AMST 2003 American Studies
ECON 2003 Principles of Economics I (ACTS=ECON 2103)	
ECON 2103 Honors Principles of Economics I	