

## 2018-2019 Degree Map-Associate of Applied Science in Cybersecurity

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 two 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/>

**Employment Information:** Security Analyst, Security Engineer, Security Administrator, Security Software Developer, Cryptographer, Cryptanalyst, Chief Information Security Officer, Security Specialist, Vulnerability Assessor, Security Manager, Security Auditor, Security Director, Forensic Expert, Penetration Tester, Source Code Auditor

#Prerequisite Courses: ENGL 0303 \_\_\_\_\_ ENGL 0404 \_\_\_\_\_ READ 0103 \_\_\_\_\_ MATH 0803 \_\_\_\_\_ MATH 1003 \_\_\_\_\_ MATH 0903 \_\_\_\_\_ MATH 0900 \_\_\_\_\_ MATH 1113 \_\_\_\_\_ MATH 1110 \_\_\_\_\_ MATH 1203 \_\_\_\_\_ MATH 1914 \_\_\_\_\_

Sample Schedule	Milestones/Notes	
Semester 1	Hrs.	Grade
ENGL 1013-Comp I (ACTS=ENGL 1013)	3	#
U.S. History/Government	3	
MATH 2914- Calculus I (ACTS= MATH 2405)	4	# required for Gen Ed. Milestone
TECH 1001-Orientation to the University	1	
CSEC 1113- Introduction to Networking	3	Milestone
Fine Arts & Humanities	3	
<b>Total hours</b>	<b>17</b>	<b>GPA</b>

Semester 2	Hrs.	Grade	Semester 2
ENGL 1023- Comp II (ACTS= ENGL 1023)	3	#	
Social Sciences	3		
CSEC 1213- Wireless Security and Cellular Technologies	3		Prereq: CSEC 1113
COMS 2104- Foundations of Computer Prog. I	4	#	Milestone (Do not need COMS 1403/1411)
Science with Lab	4		
<b>Total hours</b>	<b>17</b>	<b>GPA</b>	<b>APPLY FOR GRADUATION</b>

**Shading indicates courses that would directly apply to the BS-CSEC degree.**

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/>

# indicates a "C" or higher is required

Fine Arts and Humanities	U.S. History & Government
ART 2123 Experiencing Art (ACTS=ARTA1003)	HIST 1903 Survey of American History
MUS 2003 Introduction to Music (ACTS=MUSC1003)	HIST 2003 U.S. History to 1877 (ACTS=HIST2113)
TH 2273 Introduction to Theatre (ACTS=DRAM 1003)	HIST 2043 Honors United States History to 1877
ENGL 2173 Introduction to Film	HIST 2013 U.S. History since 1877 (ACTS=HIST2123)
JOUR 2173 Introduction to Film	POLS 2003 American Government (ACTS=PLSC2003)
ENGL 2003 Introduction to World Literature (ACTS=ENGL2113)	<b>Science with Lab</b>
ENGL 2013 Intro. to American Literature (ACTS=ENGL2653)	BIOL 1014- Intro. to Biological Science (ACTS= BIOL1004)
ENGL 2023 Honors World Literature	BIOL/PHSC 1004- Principles of Environmental Science
PHIL 2003 Introduction to Philosophy (ACTS=PHIL1103)	GEOL 1014- Physical Geology (ACTS= GEOL 1114)
PHIL 2043 Honors Introduction to Philosophy	PHSC 1013/1021- Physical Sci/Lab (ACTS= PHSC 1004)
PHIL 2053 Introduction to Critical Thinking (ACTS=PHIL 1003)	

Sample Schedule	Milestones/Notes	
Semester 3	Hrs.	Grade
ELEG 2134/2130- Digital Logic Design/Lab	4	Prereq or Coreq: COMS 2104
COMS 2203- Foundations of Computer Prog II	3	Milestone - Prereq: COMS 2104
COMS 2903-Discrete Structures	3	Milestone - Prereq: COMS 2104
CSEC 2113- Introduction to Information Systems	3	
General Elective*	1	
<b>Total hours</b>	<b>14</b>	<b>GPA</b>

Semester 4	Hrs.	Grade	Semester 4
COMM 2173- Business and Professional Speaking	3		No substitutions
COMS 2213- Data Structures	3		Milestone - Prereq: COMS 2203 & 2903
CSEC 2213- Forensics and Incident Response	3		Prereq: CSEC 1113
CSEC 2223- Virtualization	3		<b>Graduation Requirements:</b> No more than 4 PE activity hours Min. hours required:60
<b>Total hours</b>	<b>12</b>	<b>GPA</b>	

General Electives: 1 hours (1000-4000 level)

\*Students interested in possibly obtaining a BS degree in CSEC should chose electives that count toward BS-CSEC degree.

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=ECON 2203)
SOC 1003 Intro Sociology (ACTS=SOCI 1013)
PSY 2003 General Psychology (ACTS=PSYC 1103)
ANTH 1213 Intro to Anthropology (ACTS=ANTH 1013)
ANTH 2003 Cultural Anthropology (ACTS=ANTH 2013)
GEOG 2013 Rgnl Geog of the World (ACTS=GEOG 2103)
AMST 2003 American Studies