

NAME:	T#:	DATE:

Rev. 03/25/2023

2023-2024 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, Cryptographe Vulnerability Assessor, Security Manager, Security Auditor, Security Director, Forensic Expert, Penetration Tester, Source Code Auditor

MATH 1003 #Prerequisite Courses: ENGL 0303 MATH 0803 MATH 0903 MATH 1113 **MATH 1110**

Sample Schedule Milestones/Notes

Semester 1	Hrs.	Grade	Semester 1
ENGL 1013-Comp I (ACTS=ENGL 1013)	3	#	
Fine Arts & Humanities	3		
MATH 2243- Calculus for Business & Econ. (ACTS=MATH 2203)	3	#	ereq: 22 or higher on math ACT or # in MATH 1113 or higher
TECH 1001- Orientation to the University	1		
CSEC 1113- Introduction to Networking	3		Milestone
CSEC 1003- Introduction to Cybersecurity	3		
Total hours	16	GPA	

Semester 2	Hrs.		Semester 2
ENGL 1023- Comp II (ACTS= ENGL 1023)	3	#	
Science with Lab	4		
COMS 1013- Programming Foundations I	3	#	Prereq: MATH 1113 or higher
COMS 1011- Programming Foundations I Lab	1	#	PASS/FAIL - Coreq: COMS 1013
CSEC 1213- Wireless and Cellular Security	3		Prereq: CSEC 1113
Total hours	14	GPA	

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 by searching keyword "ACTS" at https://adhe.edu/

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

indicates a "C" or higher is required

1023 from SPAN, FR, GER, JPN, CHIN, or LAT

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 (AC
TH 2273 Introduction to Theatre (ACTS=DRAM 1003)	HIST 2013 U.S. History since 1877
ENGL/JOUR 2173 Introduction to Film	POLS 2003 American Government
ENGL 2003 Introduction to World Literature (ACTS=ENGL2113)	
ENGL 2003 Introduction to World Literature (ACTS=ENGL2113) ENGL 2013 Intro. to American Literature (ACTS=ENGL2653)	Science with Lab
ENGL 2013 Intro. to American Literature (ACTS=ENGL2653)	Science with Lab

CTS=HIST2113) (ACTS=HIST2123) (ACTS=PLSC2003)

ence (ACTS= BIOL1004) ironmental Science TS= GEOL 1114) PHSC 1013/1021- Physical Sci/Lab (ACTS= PHSC 1004)

Sample Schedule

Milestones/Notes

Semester 3	Hrs.		Semester 3
Social Sciences	3		
COMS 2203- Programming Foundations II	3	#	Milestone - Prereq: # COMS 1013 & # MATH 1113 or higher
MATH 2703-Discrete Mathematics	3		Milestone - Prereq: # MATH 1113 or higher
CSEC 2213- Network Forensics and Incident Response	3		Prereq: CSEC 1113
CSEC 2223- Virtualization	3		(Fall Only) Prereq: CSEC 1113
Total hours	15	GPA	

Semester 4	Hrs.		Semester 4
COMM 2173- Business and Professional Speaking	3		COMM 2003 Public Speaking may sub
COMS 2213- Data Structures	3		Milestone - Prereq: MATH 2703 and # in COMS 2203
COMS 2323- Programming in Python	3		Prereq: COMS 2203
*General Elective	3		
*General Elective	3		Graduation Requirements:
			No more than 4 PE activity hours
Total hours	15	GPA	Min hours required 60. 2.00+ GPA

General Electives: 6 hours (1000-4000 level)

Social Sciences

Students should consider CP in Computer Programming and CP in Computer Networking. See Catalog.

HIST 1503 World History to 1500 (ACTS=HIST1113) HIST 1513 World History since 1500 (ACTS=HIST1123) HIST 2003 U.S. History to 1877 (ACTS=HIST2113) HIST 2013 U.S. History since 1877 (ACTS=HIST2123) HIST 1903 Survey of American History

POLS 2003 American Government (ACTS=PLSC2003) ECON 2003 Principles of Macroeconomics (ACTS=ECON2103)

ECON 2013 Principles of Microeconomics (ACTS=ECON2203) SOC 1003 Introductory Sociology (ACTS=SOCI1013)

PSY 2003 General Psychology (ACTS=PSYC1103) University Honors students should consult Course Catalog for appropriate Fine Arts/Humanities, US History/Government and Social Science options for University Honors Curriculum.

AMST 2003 American Studies FIN 2013 Personal Finance

ANTH 1213 Intro. to Anthropology (ACTS=ANTH1013)

ANTH 2003 Cultural Anthropology (ACTS=ANTH2013)

GEOG 2013 Regional Geography of the World (ACTS=GEOG2103)

LEAD 1003 Introduction to Leadership

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