ARKANSAS TECH UNIVERSITY

NAME:_____ T#:_____ DATE:_____

2019-2020 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	Semester 1
ENGL 1013-Comp I (ACTS=ENGL 1013)	3	#	
U.S. History/Government	3		
MATH 2914- Calculus I (ACTS= MATH 2405)	4	#	(Prereq: MATH ACT >26, or # in MATH 1203 or MATH 1914) Milestone
TECH 1001-Orientation to the University	1		
CSEC 1113- Introduction to Networking	3		Milestone
Fine Arts & Humanities	3		
Total hours	17	GPA	

Semester 2	Hrs.		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)
Total hours	13	GPA	**APPPLY FOR GRADUATION**

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

Sample Schedule — Milestones/Notes

Semester 3	Hrs.	Grade	Semester 3
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 & # MATH 1113 or higher
COMS 2903-Discrete Structures	3		Milestone - Prereq: # COMS 2104 & # MATH 1113 or higher
CSEC 2113- Introduction to Information Systems	3		
General Elective*	1		
Total hours	14	GPA	

Semester 4	Hrs.		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		**Graduation Requirements:**
Science Sequence I (excluding BIOL)*	4		No more than 4 PE activity hours
			Min. hours required:60
Total hours	16	GPA	2.00+ GPA

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.

*May be satisfied by any 1-year science sequence that requires a lab in each course, excluding biological science courses.

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 2183 Honors 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 U.S. History to 1877 (ACTS=HIST2113)
HIST 2043 Honors United States History to 1877
HIST 2013 U.S. History since 1877 (ACTS=HIST2123)
POLS 2003 American Government (ACTS=PLSC2003)

Science Sequence I & II (excluding BIOL)*
CHEM 2124/2120 & 2134/2130- Gen Chem I & II (ACTS=CHEM1414/1424)
GEOL 1014/2024- Physical and Historical Geol (ACTS=GEOL1114/1134)
PHYS 2014/2000 & 2024/2010- Physical Principles I & II (ACTS=PHYS2014/2024)
PHYS 2114/2000 & 2124/2010- General Physics I & II (ACTS=PHYS2034/2044)

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