

NAME:	T#:	DATE:

Rev. 05/02/2018

2018-2019 Degree Map-Bachelor of 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 four years. The Sample Schedule serves as a general guideline to help you build a

This map is a term-by-term sample course schedule. full schedule each term. See course descriptions and		_	o keep you on course to graduate in four years. The Sam	ple Schedule se	rves as a general guideline to help you build a
			re Developer, Cryptographer, Cryptanalyst, Chief Ir	nformation Se	curity Officer Security Specialist
Vulnerability Assessor, Security Manager, Manage		•		normation 5c	curity Officer, Security Specialist,
vullerability Assessor, Security Manager, Secu	inty Additor, Securi	ty Director, Forensic Expert, Felletia	ation rester, source code Additor		
#Prerequisite Courses: ENGL 0303 ENGL 0404 R	READ 0103 MATH 0	803 MATH 1003 MATH 0903	_ MATH 0900 MATH 1113MATH 1110 MATH 12	203 MATH 1	1914
Sample Schedule	Sample Schedule Milestones/Notes		Sample Schedule Milestones/Notes		
Semester 1	Hrs. Grade	Semester 1	Semester 5	Hrs.	Grade Semester 5
ENGL 1013-Comp I (ACTS=ENGL 1013)	3 #		Science with Lab	4	
MATH 2914- Calculus I (ACTS= MATH 2405)	4	# required for Gen Ed. Milestone	MATH 3153- Applied Statistics I	3	MATH 2163 can substitute
U.S. History/Government	3		COMS 3213- Adv. Data Structures and Algorithm Design	3	Prereq: COMS 2213
TECH 1001-Orientation to the University	1		CSEC 3113- Assembly Programming	3	Prereq: COMS 2104 & 2903
CSEC 1113- Introduction to Networking	3	Milestone	CSEC 3123- Cyber Defense I	3	Prereq: CSEC 2223
Fine Arts & Humanities	3				
Total hours	17 GPA		Total hours	16 (GPA
				1	
Semester 2	Hrs.	Semester 2	Semester 6	Hrs.	Semester 6
ENGL 1023 - Comp II (ACTS= ENGL 1023)	3 #		Fine Arts & Humanities	3	
Social Sciences	3		COMS 3703- Operating Systems	3	Prereq: COMS 2213
CSEC 1213- Wireless Security and Cellular Technologies	3	Prereq: CSEC 1113	CSEC 3223- Programming Embedded Systems	3	Prereq: COMS 2213 & CSEC 3113
COMS 2104- Foundations of Computer Prog. I	4 #	Milestone (Do not need COMS 1403/1411)	CSEC 3233- Cyber Defense II	3	Prereq: CSEC 3123
			CSEC 3243- Computer Architecture	3	Prereq: COMS 3703
Total hours	13 GPA		Total hours	15 (GPA APPLY FOR GRADUATION
Semester 3	Hrs.	Semester 3	Semester 7	Hrs.	Semester 7
ELEG 2134/2130- Digital Logic Design/Lab	4	Prereq or Coreq: COMS 2104	Social Sciences	3	
COMS 2203- Foundations of Computer Prog II	3	Milestone - Prereq: COMS 2104	CSEC 4123- Applied Cryptography	3	Prereq: CSEC 3223
COMS 2733- Intro to Computer Forensics and Security	3		CSEC 4133- Large Scale Distributed Systems	3	Prereq: CSEC 3223
COMS 2903-Discrete Structures	3	Milestone - Prereq: COMS 2104	CSEC 4143- Building Secure Software	3	Prereq: COMS 2213
CSEC 2113- Introduction to Information Systems	3		General Elective (3000-4000)	3	
Total hours	16 GPA		Total hours	15 (GPA
Semester 4	Hrs.	Semester 4	Semester 8	Hrs.	Semester 8
COMM 2173- Business and Professional Speaking	3	No substitutions allowed	CSEC 4213- Information Systems Risk Management	3	Prereq: CSEC 2113 & 2213
Science with Lab	4		CSEC 4233- Legal Issues in Cybersecurity	3	Graduation Requirements:
COMS 2213- Data Structures	3	Milestone - Prereq: COMS 2203 & 2903	CSEC 4243/4240- Software Sec Analysis and Rev Eng/LAB	3	Min. hours 3000-4000 level courses: 40
CSEC 2213- Forensics and Incident Responses	3	Prereq: CSEC 1113	CSEC 4293- Cybersecurity Capstone Project/Internship	3	No more than 4 PE activity hours
CSEC 2223- Virtualization	3				Min. hours required:120
Total hours	16 GPA	COMS ADVISOR ASSIGNED	Total Hours	12 (GPA 2.00+ GPA
The Arkansas Course Transfer System (ACTS) is designed to assist in p about the transferability of courses within Arkansas public colleges an			General Electives: 3 hrs. (3000-4000 level)		
http://acts.adhe.edu/	ia aniversities. The Arkdilada	eourse transfer system can be accessed at	Shading indicates courses that would directly	apply to the	AAS-CSEC degree.
# indicates a "C" or higher is required					
Fine Arts and Humanities	U.S. History & Gove	rnment		Social Sciences	
ART 2123 Experiencing Art (ACTS=ARTA1003)	HIST 1903 Survey of		HIST 1503 World Civilization to 1500 (ACTS=HIST1113) ECON 2013 Principles of Economics II (ACTS=ECON2203)		
MUS 2003 Introduction to Music (ACTS=MUSC1003) TH 2273 Introduction to Theatre (ACTS=DRAM 1003)	HIST 2043 Honors U	ry to 1877 (ACTS=HIST2113) nited States History to 1877	HIST 1513 World Civilization since 1500 (ACTS=HIST1123) HIST 1543 Honors World Civilization to 1500 SOC 1003 Introductory Sociology (ACTS=SOCI1013) PSY 2003 General Psychology (ACTS=PSYC1103)		

ENGL 2173 Introduction to Film

JOUR 2173 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) HIST 2013 U.S. History since 1877 (ACTS=HIST2123)

POLS 2003 American Government (ACTS=PLSC2003)

Science with Lab

BIOL 1014- Intro. to Biological Science (ACTS= BIOL1004) BIOL/PHSC 1004- Principles of Environmental Science GEOL 1014- Physical Geology (ACTS= GEOL 1114) PHSC 1013/1021- Physical Sci/Lab (ACTS= PHSC 1004)

POLS 2003 American Government (ACTS=PLSC2003) ECON 2003 Principles of Economics I (ACTS=ECON2103) ECON 2103 Honors Principles of Economics I

HIST 2003 U.S. History to 1877 (ACTS=HIST2113)

HIST 2043 Honors U.S. History to 1877

HIST 1903 Survey of American History

HIST 2013 U.S. History since 1877 (ACTS=HIST2123)

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