Arkansas State University - Mountain Home[1]
Associate of Science in Liberal Arts and Sciences[2]

Possible Prerequisites			Semester	Hours	Grade
CPT	0053	Basic Math		N/C	
CPT	0103	College Writing		N/C	
CPT	0123	College Reading		N/C	
CPT	0243	Foundations of Reading and Writing		N/C	
MATH	0003	Beginning Algebra		N/C	
MATH	0103	Intermediate Algebra		N/C	

General Education Requirements (35 credit hours)

English/Communication (9 credit hours)			UCA[3]	Semester	Hours	Grade
BUS	2563	Business Communications	MGMT 2301		3	
ENG	1003	Composition I	WRTG 1310		3	
ENG	1013	Composition II	WRTG 1320		3	

Mathematics (3 credit hours)			UCA	Semester	Hours	Grade
MATH	1023	College Algebra	MATH 1390		3	

Lab Sciences (8 credit hours)			UCA	Semester	Hours	Grade
BIOL	1004	Biological Science and Lab *(or other ASLAS Life Science with Lab)*	BIOL 1400		4	
PHYS	1204	Physical Science with Lab *(or other ASLAS Physical Science with Lab)*	PHYS 1400		4	

Fine Arts/Humanities (6 credit hours)			UCA	Semester	Hours	Grade
		Choose one:				
ART	2503	Fine Arts - Visual	ART 2300		3	
MUS	2503	Fine Arts - Music	MUS 2300			
THEA	2503	Fine Arts - Theatre	THEA 2300			
		Choose one:				
ENG	2003	World Literature to 1660	ENGL 2305		3	
ENG	2013	World Literature since 1660	ENGL 2306			

Social Sciences (9 credit hours)			UCA	Semester	Hours	Grade
POSC	1003	Introduction to International Relations	PSCI 2300		3	
POSC	2103	United States Government	PSCI 1330		3	
		Choose one:				
GEOG	2703	World Geography	GEOG 1300		3	
PSY	2513	Introduction to Psychology	PSYC 1300			
SOC	2213	Principles of Sociology *(or other ASLAS Social Science)*	SOC 1300			

Cybersecurity Foundation (25 credit hours)

			UCA	Semester	Hours	Grade
CIS	1023	Programming Fundamentals/Logic	CSCI 1470		3	
CIS	1106	CICSO Networking I	CSCI 2335		6	
CIS	1206	CICSO Networking II	CSCI 4315		6	
CIS	1513	Object Oriented Programming	CSCI 1480		3	
CIS	2683	Computer Forensics	CSEC 3320		3	
CIS	2723	Cybersecurity Essentials	CSEC 2300		3	
		ASLAS Approved Elective			1	

Total Hours: 60[4]

University of Central Arkansas
Bachelor of Science in Cybersecurity (Cyberphysical Security)
UCA Courses (60 credit hours)[5]

Major Requirements (44 credit hours)			Semester	Hours	Grade
CSCI	2320	Data Structures		3	
CSCI	3330	Algorithms		3	
CSCI	3360	Database Systems (UD UCA Core: C)		3	
CSCI	4300	Operating Systems		3	
CSCI	4305	Linux/UNIX Systems		3	
CSCI	4321	Ethical Implications (UD UCA Core: D, R)		3	
CSEC	3300	Introduction to Number Theory and Cryptography		3	
CSEC	4490	Cybersecurity Capstone (UD UCA Core: Z)		4	
MATH	2311	**Choose one:** Elementary Statistics		3	
PSCI	2312	Statistical Methods for Political Analysis			
CISA	2330	Business Statistics			
CSCI	2330	Discrete Mathematics for Computing		3	
MATH	1491	Applied Calculus for the Life Sciences		4	
CISA	4355	Project Management (UD UCA Core: Z)		3	
CISA	4361	Cybersecurity Governance and Policy		3	
PSCI	3316	Cybersecurity Law & Policy (UD UCA Core: C)		3	

Cyberphysical Security Concentration (12 credit hours)			Semester	Hours	Grade
CSCI	3V75	Internship		3	
CSEC	4320	Ethical Hacking		3	
CSEC	4335	Network Security		3	
CSEC	4345	Cyber-Physical Security		3	

Elective (1 credit hour)			Semester	Hours	Grade
		General Elective		3	
		General Elective		1	

Total Hours: 120[6]

[1] See your ASUMH advisor for degree and graduation information.

[2] Agreement requirements are guaranteed in accordance with the academic year of initial enrollment at ASUMH, not to precede the academic year during which the agreement first took effect. A period of non-enrollment of 12 months or more requires that the student adhere to the agreement revision corresponding with the academic year of re-enrollment.

[3] UCA course is either guaranteed by ACTS (acts.adhe.edu) or by UCA Department Chair approval (if blank, elective credit will be awarded).

[4] Students completing the AS in Liberal Arts and Sciences degree, as shown above, will have satisfied the UCA Lower-Division Core and will be admitted to the BS in Cybersecurity (Cyberphysical Security) degree program as a junior.

[5] In order to receive important communications about transferring to UCA, students are encouraged to create a UCA student account at gopurple.uca.edu. For more information about the 2+2 program, students may also send email inquiries to ucatransfer@uca.edu

[6] This agreement requires 120 credit hours as follows: maximum 60 at ASUMH and remaining 60 at UCA (40 of which must be upper-division).