2+2 Degree Plan Checklist
Associate of Science in Technology and Engineering
Bachelor of Science in Computer Science

UNIVERSITY OF CENTRAL ARKANSAS

UNIVERSITY OF ARKANSAS PULASKI TECHNICAL COLLEGE

University of Arkansas-Pulaski Technical College[1]
Associate of Science in Technology and Engineering[2]
General Education Requirements (38 credit hours)

English/Communication (6 credit hours)			UCA[3]	Semester	Hours	Grade
ENGL	10103	English Composition I	WRTG 1310		3	
ENGL	10203	English Composition II	WRTG 1320		3	

Mathematics (3 credit hours)			UCA	Semester	Hours	Grade
MATH	11003	College Algebra	MATH 1390		3	

Lab Sciences (8 credit hours)			UCA	Semester	Hours	Grade
BIOL	10131/10143	Biological Science and Lab	BIOL 1440		4	
CHEM PHYS	14101/14103 20103/20101	General Chemistry 1 and Lab College Physics 1 and Lab	CHEM 1450 PHYS 1410		4	

Arts and Humantities (6 credit hours)			UCA	Semester	Hours	Grade
		Choose one:				
ARHS	10003	Introduction to Visual Art	ART 2300		3	
MUSC	10003	Introduction to Music	MUS 2300			
THTR	10003	Introduction to Theatre	THEA 2300			
		Choose one:				
ENGL	21103	World Literature from the Beginning to 1650	ENGL 2305		3	
ENGL	21203	World Literature from 1650 to the Present	ENGL 2306			

Social Sciences (6 Credit Hours)			UCA	Semester	Hours	Grade
		Choose one:				
HIST	21103	US History to 1877	HIST 2301		3	
HIST	21203	US History since 1877	HIST 2302			
PLSC	20003	American National Government	PSCI 1330			
		Choose one:				
HIST	11103	History of Civilization I	HIST 1310		3	
HIST	11203	History of Civilization II	HIST 1320			

Social Sciences/Oral Communications (6 Credit Hours)			UCA	Semester	Hours	Grade
SPCH	10003	Speech Communications	COMM 1300		3	
		Choose one:				
ECON	22003	Principles of Microeconomics	ECON 2321		3	
ECON	21003	Principles of Macroeconomics	ECON 2320			
PSYC	11003	Psychology and the Human Experience	PSYC 1300			
SOCI	10103	Introduction to Sociology	SOC 1300			
		(or other ASTE Social Science)				

Computer Science Foundation (25 credit hours)

			UCA	Semester	Hours	Grade
CPSI	25174	Introduction to Computer Science I	CSCI 1470		4	
CPSI	26474	Introduction to Computer Science II	CSCI 1480		4	
CPSI	27373	Data Structures	CSCI 2320		3	
MATH	12003	Trigonometry	MATH 1392		3	
MATH	14004	Calculus I	MATH 1496		4	
MATH	21003	Introduction to Statistics and Probability	MATH 2311		3	
		ASTE Approved Electives			4	

Total Hours: 60[4]

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

			Semester	Hours	Grade
CSCI	2335	Networking		3	
CSCI	2330	Discrete Mathematics for Computing		3	
CSCI	3330	Algorithms		3	
CSCI	3360	Database Systems (UD UCA Core: C)		3	
CSCI	3370	Principles of Programming Languages		3	
CSCI	3380	Computer Architecture		3	
CSCI	3381	Object-Oriented Software Development with Java		3	
CSCI	4300	Operating Systems		3	
CSCI	4315	Information Security (UD UCA Core: R)		3	
CSCI	4321	Ethical Implications of Global, Diverse and Technology (UD UCA Core: D, R)		3	
CSCI	4490	Software Engineering (UD UCA Core: Z)		4	
		Choose at least 12 Credit Hours:			
CSEC	2300	Introduction to Cybersecurity			
CSEC	2310	Introduction to Data Science			
CSCI	2340	Assembly Language Programming			
CSEC	3300	Introduction to Number Theory and Cryptography			
CSEC	3320	Computer Forensics (UD UCA Core: I)			
CSCI	3V75	Internship			
CSCI	3385	Artificial Intelligence			
CSCI	4V95	Independent Study			
CSCI	4305	Linux/UNIX Systems		12	
CSEC	4320	Ethical Hacking			
CSEC	4330	Software Security			
CSEC	4335	Network Security			
CSCI	4353	Introduction to Multimedia Computing			
CSCI	4357	Programming Mobile Devices			
CSCI	4365	Web Technologies			
CSCI	4370	Data Mining			
CSCI	4371	Machine Learning			
CSCI	4372	Data Clustering			
MATH	1497	Calculus II		4	
MATH	3320	Linear Algebra (UD UCA Core: I)		3	
MATH	4340	Numerical Methods		3	
		General Electives		4	
			Total Hours:	**120**[6]	

[1] Please see your UA-PTC advisor for degree and graduation information.

[2] Agreement requirements are guaranteed in accordance with the academic year of initial enrollment at UA-PTC, 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 Technology and Engineering degree requirements, as shown above, with a minimum 2.0 cumulative GPA, will have satisfied the UCA Lower-Division Core and be admitted to the BS in Computer Science 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 admissions.uca.edu/apply/. 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 UA-PTC and remaining 60 at UCA (40 of which must be upper-division).