



2+2 Degree Plan Checklist
Associate of Science in Liberal Arts and Sciences
Bachelor of Science in Information Systems



University of Arkansas-Pulaski Technical College¹
Associate of Science in Liberal Arts and Sciences²
General Education Requirements (35 credit hours)

English/Communication (9 credit hours)			UCA³	Semester	Hours	Grade
ENGL	1311	English Composition I	WRID 1310		3	
ENGL	1312	English Composition II	WRID 1320		3	
SPCH	1300	Speech Communications	COMM 1300		3	

Mathematics (3 credit hours)			UCA	Semester	Hours	Grade
MATH	1302	College Algebra	MATH 1390		3	

Lab Sciences (8 credit hours)			UCA	Semester	Hours	Grade
BIOL	1100/1300	Biology for Non-Majors and Lab <i>(or other ASLAS Life Science with Lab)</i>	BIOL 1400		4	
PHYS	1100/1300	Physical Science and Lab <i>(or other ASLAS Physical Science with Lab)</i>	PHYS 1400		4	

Arts and Humanities (3 credit hours)			UCA	Semester	Hours	Grade
ARTS	2300	Choose one: Introduction to Visual Art Introduction to Music Introduction to Theatre <i>(or other ASLAS Arts and Humanities)</i>	ART 2300		3	
MUSC	2300		MUS 2300			
THEA	2300		THEA 2300			

Literature (3 Credit Hours)			UCA	Semester	Hours	Grade
ENGL	2337	Choose one: World Literature from the Beginning to 1650 World Literature from 1650 to the Present <i>(or other ASLAS Literature)</i>	ENGL 2305		3	
ENGL	2338		ENGL 2306			

History/Government (3 credit hours)			UCA	Semester	Hours	Grade
HIST	2311	Choose one: US History to 1877 US History since 1877 American National Government	HIST 2301		3	
HIST	2312		HIST 2302			
POLS	1310		PSCI 1330			

Social Sciences (6 credit hours)			UCA	Semester	Hours	Grade
ECON	2322	Principles of Microeconomics	ECON 2321		3	
ECON	2323	Principles of Macroeconomics	ECON 2320		3	

Information Systems Foundation (25 credit hours)

			UCA	Semester	Hours	Grade
ACCT	2310	Principles of Accounting I	ACCT 2310		3	
BUS	2633	Legal Environment of Business	ACCT 2321		3	
CIS	2514	Introduction to Computer Science I	CSCI 1470		4	
CIS	2644	Introduction to Computer Science II	CSCI 1480		4	
CIS	2733	Data Structures	CSCI 2320		3	
MATH	1308	Business Calculus	MATH 1395		3	
MATH	2320	Introduction to Statistics and Probability	MATH 2311		3	
		<i>ASLAS Approved Elective</i>			2	

Total Hours: 60⁴



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University of Central Arkansas
Bachelor of Science in Information Systems
UCA Courses (60 credit hours)⁵

Business Foundation (6 credit hours)			Semester	Hours	Grade
ECON	2310	Global Environment of Business		3	
MGMT	2301	Business Communications		3	
Business Core (12 credit hours)			Semester	Hours	Grade
FINA	3330	Managing Finance and Capital (UD UCA Core: I)		3	
MGMT	3340	Managing People and Work (UD UCA Core: D, R)		3	
CISA	3321	Managing Systems and Technology		3	
MKTG	3350	Principles of Marketing		3	
Information Systems Requirement (30 credit hours)			Semester	Hours	Grade
CSCI	1340	Choose one: Introduction to Programming I		3	
CISA	3335	Data Analysis Using Python			
CSCI	2335	Choose one: Networking		3	
CISA	3363	Telecommunications & Computer Networks I			
CSCI	3360	Choose one: Database Systems (UD UCA Core: C)		3	
CISA	3365	Database Applications			
CSCI	3381	Choose one: Object-Oriented Software Development with Java		3	
CISA	3339	Programming in Java I			
CSCI	4315	Choose one: Information Security (UD UCA Core: R)		3	
CISA	4360	Principles of Information Security			
CSCI	3V75	Choose three: Internship		9	
CSCI	4305	Linux/UNIX Systems			
CSCI	4365	Web Technologies			
CSCI	4370	Data Mining			
CSCI	4371	Machine Learning			
CSCI	4372	Data Clustering			
MATH	3311	Statistical Methods			
CISA	3366	Website Development			
CISA	3V82	Internship in Computer Information Systems & Analytics			
CISA	4320	Critical Thinking and Experimental Design			
CISA	4325	Predictive Analytics			
CISA	4329	Database Management Systems			
CISA	4330	Prescriptive Analytics			
CISA	4366	E-Commerce & Advanced Website Development			
CISA	4370	Advanced Topics in Information Systems			
CISA	4380	Business Intelligence & Data Visualization			
CISA	4381	Data Mining & Applied Analytics			
CISA	4V82	Internship in Computer Information Systems & Analytics			
WRID	3310	Technical Writing (UD UCA Core: C)			
CISA	3328	Systems Analysis and Design (UD UCA Core: C)			
CISA	4355	Project Management (UD UCA Core: Z)		3	
Computer Science Minor (6 credit hours)					
CSCI		CSCI Upper Division Electives		6	
General Electives (6 credit hours)					
		General Electives		6	
				Total Hours: 120⁶	

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 Liberal Arts and Sciences degree requirements, as shown above, with a minimum 2.0 cumulative GPA, will have satisfied the UCA Lower-Division Core and will be admitted to the BS in Information Systems 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).