2+2 Degree Plan Checklist
Associate of Science in Liberal Arts and Sciences
BS in Mathematics (Applied Mathematics)

UNIVERSITY OF CENTRAL ARKANSAS

UNIVERSITY OF ARKANSAS PULASKI TECHNICAL COLLEGE

University of Arkansas-Pulaski Technical College[1]

Associate of Science in Liberal Arts and Sciences[2]

General Education Requirements (35 credit hours)

English/Communication (9 credit hours)			UCA[3]	Semester	Hours	Grade
ENGL	10103	English Composition I	WRTG 1310		3	
ENGL	10203	English Composition II	WRTG 1320		3	
SPCH	10003	Speech Communications	COMM 1300		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	10031/10043	Biology for Non-Majors and Lab *(or other ASLAS Life Science with Lab)*	BIOL 1400		4	
PHSC	10043/10031	Physical Science and Lab *(or other ASLAS Physical Science with Lab)*	PHYS 1400		4	
Arts and Humantities (3 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 *(or other ASLAS Arts and Humanities)*	THEA 2300			
Literature (3 credit hours)			**UCA**	**Semester**	**Hours**	**Grade**
		Choose one:				
ENGL	21103	World Literature from the Beginning to 1650	ENGL 2305		3	
ENGL	21203	World Literature from 1650 to the Present *(or other ASLAS Literature)*	ENGL 2306			
History/Government (3 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			
Social Science (6 credit hours)			**UCA**	**Semester**	**Hours**	**Grade**
		Choose two:				
PSYC	11003	Psychology and the Human Experience	PSYC 1300		6	
GEOG	21103	Cultural Geography	GEOG 1320			
SOCI	10103	Introduction to Sociology *(or other ASLAS Social Science)*	SOC 1300			

Mathematics Foundation & Ancillary Program Requirement (25 credit hours)

			UCA	Semester	Hours	Grade
MATH	12003	Trigonometry	MATH 1392		3	
MATH	14004	Calculus I	MATH 1496		4	
MATH	15004	Calculus II	MATH 1497		4	
MATH	26004	Calculus III	MATH 2471		4	
		Choose one of the course combinations listed below:				
ECON	22003	Principles of Microeconomics	ECON 2321		6-8	
ECON	21003	Principles of Macroeconomics	ECON 2320			
CHEM	14101/14103	General Chemistry 1 and Lab	CHEM 1450			
CHEM	14201/14203	General Chemistry 2 and Lab	CHEM 1451			
CPSI	25174	Introduction to Computer Science I	CSCI 1470			
CPSI	26474	Introduction to Computer Science II	CSCI 1480			
PHYS	20103/20101	College Physics 1 and Lab	PHYS 1410			
PHYS	20203/20201	College Physics 2 and Lab	PHYS 1420			
PHYS	20343/20331	Advanced College Physics I and Lab	PHYS 1441			
PHYS	20443/20431	Advanced College Physics II and Lab	PHYS 1442			
		ASLAS Approved Electives			2-4	

Total Hours: 60[4]

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UNIVERSITY OF ARKANSAS PULASKI TECHNICAL COLLEGE

University of Central Arkansas

Bachelor of Science in Mathematics (Applied Mathematics)

UCA Courses (60 credit hours)[5]

			Semester	Hours	Grade
MATH	2335	Transition to Advanced Mathematics		3	
MATH	2341	Introduction to Mathematical Computation		3	
MATH	2471	Calculus III		4	
MATH	3320	Linear Algebra (UD UCA Core: I)		3	
MATH	3311	Statistical Methods		3	
MATH	3331	Ordinary Differential Equations I (UD UCA Core: C)		3	
MATH	4306	Modeling & Simulation (UD UCA Core: Z)		3	
		Choose one:			
MATH	4315	Introduction to Partial Differential Equations		3	
MATH	4340	Numerical Methods			
MATH	4373	Regression Analysis			
MATH	4371	Introduction to Probability (UD UCA Core: R)		3	
		Math Major Elective (4000 Level - From Approved List - See Advisor)		3	
		Math Major Elective (4000 Level - From Approved List - See Advisor)		3	
		Upper Division Minor Field Course (UD UCA Core: D)		3	
		Upper Division Minor Field Course		3	
		Upper Division Minor Field Course		3	
		Upper Division Minor Field Course		3	
		Upper Division Minor Field Course		3	
		Upper Division Minor Field Course		3	
		Minor Field Course		3	
		Minor Field Course		3	
		General Elective		2	
			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 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 Mathematics (Applied Mathematics) 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).