



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



**Arkansas State University - Beebe<sup>1</sup>**  
**Associate of Science in Liberal Arts and Sciences<sup>2</sup>**

Possible Prerequisites			UCA <sup>3</sup>	Semester	Hours	Grade
UNIV	1003	Principles of Academic Success III (required if registering for a remedial course)			(3)	
ENG	0013	Precollege Literacy			N/C	
ENG	0023	College Literacy (taken with ENG 1003 – Freshman English I)			N/C	
MATH	0112	Review for College Algebra (taken with MATH 1023 – College Algebra)			N/C	
MATH	0123	Pre-College Algebra			N/C	
MATH	0042	Review for Quantitative Literacy (taken with MATH 1043 – Quantitative Literacy)			N/C	

English/Communication (12 credit hours)			UCA <sup>3</sup>	Semester	Hours	Grade
ENG	1003	Freshman English I	WRTG 1310		3	
ENG	1013	Freshman English II	WRTG 1320		3	
SPCH	1203	Oral Communications	COMM 1300		3	
ENG	2003	<b>Choose one:</b> World Literature I	ENGL 2305		3	
ENG	2013	World Literature II	ENGL 2306			
PHIL	1103	Introduction to Philosophy	PHIL 1301			

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	Biology for General Education (or other ASLAS Life Science with Lab)	BIOL 1400		4	
PHYS	2074	University Physics I	PHYS 1441		4	

Fine Arts (3 credit hours)			UCA	Semester	Hours	Grade
ART	2503	<b>Choose one:</b> Fine Arts - Visual	ART 2300		3	
MUS	2503	Fine Arts - Musical	MUS 2300			
THEA	2503	Fine Arts – Theatre (or other ASLAS Fine Arts)	THEA 2300			

Social Sciences (6 credit hours)			UCA	Semester	Hours	Grade
HIST	2763	<b>Choose one:</b> The United States to 1876	HIST 2301		3	
HIST	2773	The United States since 1876	HIST 2302			
POSC	2103	Introduction to United States Government	PSCI 1330			
HIST	1013	<b>Choose one:</b> World Civilization to 1660	HIST 1310		3	
HIST	1023	World Civilization since 1660	HIST 1320			

Social or Behavioral Science Elective (3 credit hours)			UCA	Semester	Hours	Grade
GEOG	2613	<b>Choose one:</b> Introduction to Geography	GEOG 1305		3	
PSY	2013	Introduction to Psychology	PSYC 1300			
SOC	2213	Principles of Sociology (or other ASLAS Social Science )	SOC 1300			

**Physics Foundation (25 credit hours)**

			UCA	Semester	Hours	Grade
MATH	1033	Plane Trigonometry	MATH 1392		3	
MATH	2205	Calculus I	MATH 1496		5	
MATH	2215	Calculus II	MATH 1497		5	
PHYS	2084	University Physics II	PHYS 1442		4	
		ASLAS Approved Elective			3	
		ASLAS Approved Elective			3	
		ASLAS Approved Elective			2	

**Total Hours: 60<sup>4</sup>**



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



**University of Central Arkansas**  
**Bachelor of Science in Physics (Physics)**  
**UCA Courses (60 credit hours)<sup>5,6</sup>**

			Semester	Hours	Grade
CSCI	1340	Introduction to Programming I		3	
MATH	2471	Calculus III		4	
MATH	3331	Ordinary Differential Equations I (UD UCA Core: C)		3	
PHIL	3320	<b>Choose One:</b> Ethics (UD UCA Core: I, R)		3	
PHIL	3325	Political Philosophy (UD UCA Core: I, R)			
PHYS	2320	Introductory Computational Physics		3	
PHYS	2443	University Physics 3		4	
PHYS	3210	Experiments in Physics 1		2	
PHYS	3220	Experiments in Physics 2		2	
PHYS	3341	Mathematical Methods in Physics		3	
PHYS	3342	Mechanics		3	
PHYS	3343	Thermal Physics		3	
PHYS	3353	Quantum Theory 1		3	
PHYS	3360	Electromagnetism 1		3	
PHYS	3361	Electromagnetism 2		3	
PHYS	4111	Senior Capstone 1		1	
PHYS	4211	Senior Capstone 2 (UD UCA Core: Z)		2	
WRTG	3310	Technical Writing (UD UCA Core: C)		3	
		Upper Division Core (UD UCA Core: D)		3	
		Upper Division Major Elective		3	
		General Elective		3	
		General Elective		3	

**Total Hours: 120<sup>7</sup>**

<sup>1</sup> Please see your ASUB advisor for degree and graduation information.

<sup>2</sup> Agreement requirements are guaranteed in accordance with the academic year of initial enrollment at ASUB, 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.

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

<sup>4</sup> 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 Physics (Physics) degree program as a junior.

<sup>5</sup> 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.

<sup>6</sup> PHYS 2443, 3210, 3220, 4111 and 4211 is a 5-semester sequence of courses which will require PHYS 3220 to be taken over a summer term.

<sup>7</sup> This agreement requires 120 credit hours as follows: maximum 60 at ASUB and remaining 60 at UCA (40 of which must be upper-division).