

**AS IN CHEMISTRY/PRE-MEDICINE TO BA IN CHEMISTRY**

Campus		Phillips Community College of the University of Arkansas Courses	Comparable A-State Course	Hours
Phillips Community College of the University of Arkansas	English Composition	EH 113 Composition I	ENG 1003 Composition I	3
		EH 123 Composition II	ENG 1013 Composition II	3
		SP 243 Fundamentals of Speech	COMS 1203 Oral Communication	3
	Math	MS 123 College Algebra	MATH 1023 College Algebra	3
		MS 215 Calculus I	MATH 2204 Calculus I	4
		MS 225 Calculus II	MATH 2214 Calculus II	4
	Life Science	BY 114 General Biology I	BIOL 1003/1001 Biological Science/Lab	8
		BY 124 General Biology II	BIOL 1003/1001 Biological Science/Lab	
		BY 134 General Zoology	BIO 1303/1301 Biology of Animals/Lab	
	Physical Science	CY 114 General Chemistry I	CHEM 1013/1011 General Chemistry I/Lab	4
		CY 124 General Chemistry II	CHEM 1023/1011 General Chemistry II/Lab	4
		CY 214 Organic Chemistry I	Elective	4
		CY 224 Organic Chemistry II	Elective	4
	US History	HY 213 U.S. History I	HIST 2763 The US to 1876	3
		HY 223 U.S. History II	HIST 2773 The US since 1876	
	World History	HY 113 Western Civilization I	HIST 1013 World Civ to 1660	3
		HY 123 Western Civilization II	HIST 1023 World Civ Since 1660	
	Soc. Science	GEOG 213 Intro to Geography	GEOG 2613 Introduction to Geography	3
		HY 213 U.S. History I	HIST 2763 The US to 1876	
		HY 223 U.S. History II	HIST 2773 The US since 1876	
		PSY 213 General Psychology	PSY 2013 Introduction to Psychology	
		ES 213 Macroeconomics	ECON 2313 Principles of Macroeconomics	
		HY 113 Western Civilization I	HIST 1013 World Civ to 1660	
		HY 123 Western Civilization II	HIST 1023 World Civ Since 1660	
		PLS 213 American Federal Government	POSC 2103 Intro to US Government	
		SY 213 Fundamentals of Sociology	SOC 2213 Introduction to Sociology	
	Computer Technology	CT 113 Computer Information Systems	CS 1043 Introduction to Computers	3
	Physical Education	Physical Education Elective	Elective	1
	Electives	PS 235 Gen. Tech Physics I	PHYS 2034 University Physics I	4
		Elective	Elective	1
A-State	Major Requirements		BIO 2013/2011 Biology of the Cell/Lab	4
			CHEM 2004, Descriptive Inorganic Chemistry	4
			CHEM 3054, Quantitative Analysis	4
			CHEM 3103/3101 Organic Chemistry I and Lab (C or better)	4
			CHEM 3113/3111 Organic Chemistry II and Lab	4
			CHEM 3154 Survey of Physical Chemistry	4
			CHEM 4243 Biochemistry	3
		PHYS 2044 University Physics II	4	
Electives*		Electives	27	

\*Must include 22 Upper-Level hours

Last Modified: 10/9/18