

**AS IN NATURAL SCIENCE TO BA IN CHEMISTRY**

Campus		Arkansas State University - Newport Courses	Comparable A-State Course	Hours
ASU Newport	English Composition	ENG 1003 Composition I	ENG 1003 Composition I	3
		ENG 1013 Composition II	ENG 1013 Composition II	3
		SPCH 1203 Oral Communication	COMS 1203 Oral Communication	3
	Math	MATH 1023 College Algebra	MATH 1023 College Algebra	3
	Life Science	BIOL 2213/2211 Biological of the Cell/Lab	BIO 2103/2101 Microbiology for Nursing/Lab	4
	Physical Science	CHEM 1013/1011 General Chemistry I/Lab	CHEM 1013/1011 General Chemistry I/Lab	4
	US History/Government	HIST 2773 The U.S. since 1876	HIST 2773 The US since 1876	3
		POSC 2103 U.S. Government	POSC 2103 Intro to US Government	
		HIST 2763 The U.S. to 1876	HIST 2763 The US to 1876	
	World History	HIST 1023 World Civilization since 1660	HIST 1023 World Civ Since 1660	3
		HIST 1013 World Civilization to 1660	HIST 1013 World Civ to 1660	
		GEOG 2613 Introduction to Geography	GEOG 2613 Introduction to Geography	
	Social Science	PSY 2013 Introduction to Psychology	PSY 2013 Introduction to Psychology	3
	Arts and Humanities	ENG 2003 Intro to Literature of the Western World I	ENG 2003 World Lit to 1660	3
		ENG 2013 Intro to Literature of the Western World II	ENG 2013 World Lit since 1660	
		PHIL 1103 Introduction to Philosophy	PHIL 1103 Introduction to Philosophy	3
		MUS 2503 Fine Arts-Music	MUS 2503 Fine Arts Music	
		ART 2503 Fine Arts-Visual	ART 2503 Fine Arts Visual	
		THEA 2503 Fine Arts-Theatre	THEA 2503 Fine Arts Theatre	
	Major Area Requirements	MATH 2204 Calculus I	MATH 2204 Calculus I	4
		GEOL 1003/1001 Environmental Geology/Lab	GEOL 1003/1001 Environmental Geology/Lab	4
		BIOL 1033/1031 Biology of Plants/Lab	BIO 1503/1501 Biology of Plants/Lab	4
		BIOL 1053/1051 Biology of Animals/Lab	BIO 1303/1301 Biology of Animals/Lab	4
PHYS 2054 General Physics I		PHYS 2054 General Physics I	4	
PHYS 2064 General Physics II		PHYS 2064 General Physics II	4	
CHEM 1023/1021 General Chemistry II/Lab		CHEM 1023/1021 General Chemistry II/Lab	4	
A-State	Major Requirements		CHEM 2004, Descriptive Inorganic Chemistry	4
			CHEM 3054, Quantitative Analysis	4
			CHEM 3103/3101 Organic Chemistry I and Laboratory	4
			CHEM 3113/3111 Organic Chemistry II and Laboratory	4
			CHEM 3154, Survey of Physical Chemistry	4
			CHEM 4243, Biochemistry	3
	Electives*		General Electives	34

\*Must include at least 26 Upper-level hours