

AS IN STEM TO BS IN CHEMISTRY

Campus		Cossatot Community College of University of Arkansas Courses	Comparable A-State Course	Hours
Cossatot Community College of University of Arkansas	English Composition	ENGL 1113 Composition I	ENG 1003 Composition I	3
		ENGL 1123 Composition II	ENG 1013 Composition II	3
		SPCH 1113 Principles of Speech	COMS 1203 Oral Communication	3
	Math	MATH 1023 College Algebra	MATH 1023 College Algebra	3
	Life Science	BIOL 1014 General Biology	BIOL 1003/1001 Biological Science/Lab	4
	Physical Science	PHYS 2024 Physical Science	PHYS 2054 General Physics I	4
	US History	HIST 2013 United States History to 1876	HIST 2763 The US to 1876	3
		HIST 2023 United States History since 1876	HIST 2773 The US since 1876	
	Government	PSCI 2003 American Government	POSC 2103 Intro to US Government	3
	Soc. Science	SOC 2003 Introduction to Sociology	SOC 2213 Intro to Sociology	3
	Literature	ENGL 2213 World Literature I	ENG 2003 World Lit to 1660	3
		ENGL 2223 World Literature II	ENG 2013 World Lit since 1660	
	Fine Arts	FA 2013 Introduction to Fine Arts: Music	MUS 2503 Fine Arts Music	3
		FA 2003 Introduction to Fine Arts: Art	ART 2503 Fine Arts Visual	
	STEM Requirements	SPD 1003 Success Strategies	UC 1013 Making Connections	3
		CHEM 2014 Introduction Chemistry	CHEM 1013/1011 General Chemistry I/Lab	4
MATH 2054 Calculus I		MATH 2204 Calculus I	4	
STEM Electives		STEM Electives	14	
A-State	Major Requirements		BIO 2013/2011 Biology of the Cell/Lab	4
			CHEM 1023/1021 General Chemistry II and Laboratory	4
			CHEM 2002 Computers in Chemistry	3
			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 3124 Physical Chemistry	4
			CHEM 3134 Physical Chemistry II	4
			CHEM 4204 Inorganic Chemistry	4
			CHEM 4224 Instrumentation	4
			CHEM 4243 Biochemistry	3
			CHEM 427V Research in Chemistry	3
			CHEM 4281 Chemistry Seminar	1
			CHEM 4501 Chemistry Capstone	1
			MATH 2214 Calculus II	4
		MATH 3254 Calculus III	4	
	PHYS 2034 University Physics I	4		
	PHYS 2044 University Physics II	4		
	Electives*	Electives	5	

*Must include 5 Upper-Level hours

Last Modified: 10/3/18