AS IN STEM TO BA IN COMPUTER SCIENCE

Campus		Cossatot Community College of the University of Arkansas Courses	Comparable A-State Course	Hours
Cossatot Community College of the 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	PHSC 1203/1201 Physical Science/Lab	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	PSC 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
		MATH 2053 Survey of Calculus	MATH 2194 Survey of Calculus	4
		MATH 2054 Calculus I	MATH 2204 Calculus I	
		STEM Electives	STEM Electives	18
A-State	Major Requirements		CS 1114 Concepts of Programming	4
			CS 2114 Structured Programming	4
			CS 2124 OOP and Fundamental Data Structures	4
			CS 3113 Algorithms and Advanced Data Structures	3
			CS 3233 Operating Systems	3
			CS 4113 Software Engineering	3
			CS 4143 Java and Application Development	3
			CS 4313 Computer Networks	3
			CS 4543 Database Systems	3
			ENG 3043 Technical Writing	3
			MATH 2183 Discrete Structures	3
			PHIL 3723 Computers, Ethics, and Society	3
			STAT 3233 Applied Statistics I	3
	Computer Science Electives		Computer Science Electives	12
	Business Track*		General Business Track	12-15
			Electronic Commerce Track	
			Information Technology Track	

* Choose courses from the list on the Bulletin

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