

Engineering Articulation Agreement - Course Matrix

CR	COURSE REQUIREMENTS	Colorado State University-Pueblo		
		Engineering (Mechatronics)	Industrial Engineering	
15	MATH			
	CALCULUS I	Math 126 - 5 credits	Math 126 - 5 credits	
	CALCULUS II	Math 224 - 5 credits	Math 224 - 5 credits	
	CALCULUS III	See technical elective below	See technical elective below	
	LINEAR ALGEBRA	Math 207 - 2 credits	Math 207 - 2 credits	
	DIFFERENTIAL EQUATIONS	Math 337 - 3 credits	Math 337 - 3 credits	
	DISCRETE MATH			
10	SCIENCE			
	CALCULUS-BASED PHYSICS I W/ LAB	Physics 221/221L - 5 credits	Physics 221/221L - 5 credits	
	CALCULUS-BASED PHYSICS II W/ LAB	Physics 222/222L - 5 credits	Physics 222/222L - 5 credits	
	GENERAL COLLEGE CHEMISTRY I W/ LAB	See technical elective below	See technical elective below	
	GENERAL COLLEGE CHEMISTRY II W/LAB			
	GENERAL COLLEGE BIOLOGY I W/ LAB			
	GENERAL COLLEGE BIOLOGY II W/ LAB			
9	ARTS/HUMANITIES AND SOCIAL/BEHAVIORAL SCIENCES			
	ELECTIVE #1	Humanities elective	Humanities elective	
	ELECTIVE #2	Humanities elective	Humanities elective	
	ELECTIVE #3	Social science elective	Social science elective	
	ELECTIVE #4	Social science elective	Social science elective	
	HISTORY	History elective	History elective	
	COMPUTER SCIENCE			
	COMPUTER SCIENCE I (language)	EN 103 - 3 credits, Matlab	EN 103 - 3 credits, Matlab	
	COMPUTER SCIENCE II (language)			
	COMMUNICATIONS			
	ENGLISH COMPOSITION I	ENG 101 - 3 credits	ENG 101 - 3 credits	
	ENGLISH COMPOSITION II	ENG 102 - 3 credits	ENG 102 - 3 credits	
	PUBLIC SPEAKING	SpCom 103 - 3 credits	SpCom 103 - 3 credits	
	OTHER			
	3 credits technical electives	Chemistry, mathematics, computer science, technical writing, etc.	Chemistry, mathematics, computer science, technical writing, etc.	
	3 credits math/science elective	Chemistry, mathematics, etc.	Chemistry, mathematics, etc.	