

2 + 2 Joint Articulation Transfer Agreement (Draft)

Bachelor of Science in Biology (Secondary Certification Emphasis)

Colorado State University – Pueblo

And

Pueblo Community College

B.S. Requirements at CSU-Pueblo			A.S. Requirements at PCC		
Lower Division General Education Requirements			Equivalent Courses at PCC		
Course #	Course Title	Credits	Course #	Course Title	Credits
ENG 101	Composition I	3	ENG 121	English Composition I	3
ENG 102	Composition II	3	ENG 122	English Composition II	3
SPCOM 103	Speaking and Listening	3	COM 115	Public Speaking	3
Humanities	Select from statewide Gen Ed Core	6	Humanities	Select from statewide Gen Ed Core	9
Social Science	Select from statewide Gen Ed Core	3	Social Science	Select from statewide Gen Ed Core	3
PSYCH 151	Intro Human Development	3	PSY 235	Human Growth & Development	3
History	Select from Statewide Gen Ed Core	3	History	Select from Statewide Gen Ed Core	3
MATH 221	Applied Calculus: Intuitive Approach	4	MAT 125	Survey of Calculus	4
Physical and Life Sciences	Automatically satisfied with specific Curriculum requirements	(8)		Choose two courses from the list below.	8-10
			BIO 111	General College Biology I	
			BIO 112	General College Biology II	
			BIO 201	Anatomy and Physiology I	
			or	or	
			BIO 202	Anatomy and Physiology II	
			CHE 102	Introduction to Chemistry II	
			CHE 111	General College Chemistry I	
			CHE 112	General College Chemistry II	
			GEY 111	Physical Geology	
			PHY 111	Physics: Algebra-Based I	
			PHY 112	Physics: Algebra-Based II	
Subtotal		26	Subtotal		39-41
Required Biology Core Courses			Equivalent Courses at PCC		
BIOL 191/L	College Biology I/Botany/Lab	5	BIO 111	General College Biology I	5
BIOL 192/L	College Biology II/Zoology/Lab	5	BIO 112	General College Biology II	5
BIOL 212/L	Intro to Cellular Biology/Lab	3			
BIOL 206/L	Intro to Microbiology & Lab	4	BIO 204	Microbiology	4
or	or				
BIOL 301/L	General Microbiology & Lab	5			
BIOL 223/L	Human Physiology & Anatomy I/Lab	4	BIO 201	Human Anatomy & Physiology I	4
or	or		or	or	
BIOL 224/L	Human Physiology & Anatomy II/Lab	4	BIO 202	Human Anatomy & Physiology II	
or	or				
BIOL 414/L	Vertebrate Physiology/Lab	4			
BIOL 350	Mendelian & Population Genetics	2			
BIOL 351	Adv Molecular Biology & Genetics	2			
BIOL 352	Evolutionary Biology & Ecology	3			
Biology	Upper Division Field Elective/Lab	3			
BIOL 493	Seminar	1			
Subtotal		32-33	Subtotal		
Education Minor			Equivalent Courses at PCC		

ED 202	Foundations of Education	3	EDU 221	Introduction to Education	3
ED 280	Educational Media and Technology	3	EDU 261	Teaching, Learning & Technology	3
ED 301	Frameworks of Teaching	3			
PSYCH 342	Educational Psychology	3			
RDG 435	Content Area Literacy	4			
ED 412	Teaching Diverse Learners	3			
ED 444	Teaching Secondary Science	4			
ED 485	Capstone Seminar in Education	2			
ED 489	Secondary Student Teaching	12			
Subtotal		37	Subtotal		
Additional Major Requirements			Equivalent Courses at PCC		
CHEM 121/L	General Chemistry I & Lab	5	CHE 111	General College Chemistry I	5
CHEM 122/L	General Chemistry II & Lab	5	CHE 112	General College Chemistry II	5
CHEM 211/L	Intro to Organic Chemistry & Lab	4	CHE 102	Introduction to Chemistry II & Lab	5
GEOL 101/L	Earth Science & Lab	4	GEY 111	Physical Geology	4
PHYS 201/L	Principles of Physics I & Lab	4	PHY 111	Physics: Algebra-based I	5
PHYS 202/L	Principles of Physics II & Lab	4	PHY 112	Physics: Algebra-based II	5
Subtotal		36	Subtotal		
Total Credits for A.S.					60
Total Transfer Credit Accepted for A.S.					60
Total Additional Credit Required for B.S.					63
Total B.S. Degree Requirements					123

Students who successfully complete this program as specified are eligible to apply for a *Destination CSU-Pueblo* scholarship.

This articulation transfer agreement replaces all previous agreements between PCC and CSU-Pueblo in Bachelor of Science in Biology (Secondary Certification Emphasis). This agreement will be reviewed annually and revised (if necessary) as mutually agreed.

 Dr. John Garvin
 President
 Pueblo Community College

 Dr. Russell Meyer
 Provost
 Colorado State University –Pueblo

Date _____

Date _____

cam: 10/27/08