

2 + 2 Joint Articulation Transfer Agreement

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 *Grade of B or better	3	COM 115	Public Speaking *Grade of B or better	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 or PSYCH 251	Intro Human Development or Childhood and Adolescence	3	PSY 235 or PSY 238	Human Growth & Development or Child 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			Physical and Life Sciences		
BIOL 181/L and BIOL 182/L	College Biology I/Organismal Biol/Lab and College Biology II/Cellular Biol/Lab	4 5	BIO 111 and BIO 112	General College Biology I and General College Biology II	5 5
Subtotal		36	Subtotal		41
Required Biology Core Courses			Equivalent Courses at PCC		
BIOL 181/L	College Biology I/Botany/Lab	(4)	BIO 111	General College Biology I	(5)
BIOL 182/L	College Biology II/Zoology/Lab	(4)	BIO 112	General College Biology II	(5)
BIOL 201/L or BIOL 292/L	Botany/Lab or Zoology/Lab	4			
BIOL 206/L or BIOL 301/L	Intro to Microbiology & Lab or General Microbiology & Lab	4 5	BIO 204	Microbiology	4
BIOL 223/L or BIOL 224/L or BIOL 414/L	Human Physiology & Anatomy I/Lab or Human Physiology & Anatomy II/Lab or Vertebrate Physiology/Lab	4 4 4	BIO 201 or BIO 202	Human Anatomy & Physiology I or Human anatomy & Physiology II	4 4
BIOL 350	Mendelian & Population Genetics	2			
BIOL 351	Adv Molecular Biology & Genetics	2			
BIOL 352	Evolutionary Biology & Ecology	3			
BIOL 378	Laboratory in Teaching Biology	1			
Biology	Advisor Approved Upper Division Field Elective/Lab	3-4			
BIOL 493	Seminar	1			

Subtotal			24-26	Subtotal			4
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					
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 488	Secondary Student Teaching	12					
Subtotal			34	Subtotal			6
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 #A two semester sequence in Chemistry or Physics MUST be included in the A.S. degree	5		
CHEM 211/L or CHEM 301/L	Intro to Organic Chemistry & Lab or Organic Chemistry I	4 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 #A two semester sequence in Chemistry or Physics MUST be included in the A.S. degree	5		
Subtotal			16-17	Subtotal			10
Total Credits for A.S.							61
Total Transfer Credit Accepted for A.S.							60
Total Additional Credit Required for B.S.							64-66
Total B.S. Degree Requirements							120-123

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.

cam: 02/06/09
revised: 03/08/10
revised: 06/07/10