

2 + 2 Joint Articulation Transfer Agreement (Draft)

Bachelor of Science in Chemistry (Secondary Teaching 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 126	Calculus & Analytic Geometry I	5	MAT 201	Calculus I	5
Physical and Life Sciences	CHEM 121/L	5	CHE 111	General College Chemistry I	5
	and CHEM 122/L	5	and CHE 112	General College Chemistry II	
	or PHYS 221/L	5	or PHY 211	Physics: Calculus-Based I with Lab	5
	and PHYS 222/L	5	and PHY 212	Physics: Calculus-Based II with Lab	5
	or BIOL 100/L	4	or BIO 105	Science of Biology	4
or GEOL 101/L	4	or GEY 111	Physical Geology	4	
Subtotal		37-39	Subtotal		40-42
Required Chemistry Core Courses			Equivalent Courses at PCC		
CHEM 121/L	General Chemistry I/Lab (see General Education Core)	(5)	CHE 111	General College Chemistry I	(5)
CHEM 122/L	General Chemistry II/Lab (see General Education Core)	(5)	CHE 112	General College Chemistry II	(5)
CHEM 211/L	Intro to Organic Chemistry/Lab	4			
or CHEM 301/L	Organic Chemistry I/Lab	5			
CHEM 221/L	Inorganic Chemistry/Lab	3			
or CHEM 419/L	Instrumental Analysis/Lab	5			
CHEM 311	Survey of Biochemistry	3			
CHEM 317/L	Quantitative Analysis/Lab	5			
CHEM 321	Physical Chemistry I	3			
CHEM 493	Seminar	1			
Subtotal		19-22	Subtotal		
Related Skills & Course Requirements			Equivalent Courses at PCC		
BIOL 100/L	Principles of Biology/Lab (see General Education Core)	4	BIO 105	Science of Biology (see General Education Core)	4
BIOL 121/L	Environmental Conservation/Lab	4			
GEOL 101/L	Earth Science/Lab (see General Education Core)	4	GEY 111	Physical Geology (see General Education Core)	4

MATH 126	Calculus & Analytic Geometry I	(5)	MAT 201	Calculus I	(5)
MATH 224	Calculus & Analytic Geometry II	5	MAT 202	Calculus II	5
PHYS 221/L	General Physics I/Lab (see General Education Core)	5	PHY 211	Physics: Calculus-based I (see General Education Core)	5
PHYS 222/L	General Physics II/Lab (See General Education Core)	5	PHY 212	Physics: Calculus-based II (see General Education Core)	5
Subtotal		27	Subtotal		
Additional Major Requirements			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			
ED 412	Teaching Diverse Learners	3			
ED 444	Teaching Secondary Science	4			
ED 485	Capstone Seminar in Education	2			
ED 488/489	Secondary Student Teaching/Student Teaching K-12	12			
PSYCH 342	Educational Psychology	3			
RDG 435	Content Area Literacy	4			
Subtotal		37	Subtotal		
Total Credits for A.S.					60
Total Transfer Credit Accepted for A.S.					60
Total Additional Credit Required for B.S.					62
Total B.S. Degree Requirements					122

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 Chemistry (Secondary Education 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
 Revised: 01/30/09