

2 + 2 Joint Articulation Transfer Agreement

Bachelor of Science in Chemistry (ACS Certified Emphasis)

Colorado State University – Pueblo

And

Pikes Peak Community College

B.S. Requirements at CSU-Pueblo			A.S. Requirements at PPCC		
Lower Division General Education Requirements			Equivalent Courses at PPCC		
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
			*COM 115	*Public Speaking *See Open Elective Section	*(3)
Humanities	Select from statewide Gen Ed Core	9	Humanities	Select from statewide Gen Ed Core	9
Social Science	Select from statewide Gen Ed Core	6	Social Science	Select from statewide Gen Ed Core	6
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			Physical and Life Sciences		
CHEM 121/L and CHEM 122/L or PHYS 221/L and PHYS 222/L	General Chemistry I and General Chemistry II or General Physics I and General Physics II	5 5 5 5	CHE 111 and CHE 112 or PHY 211 and PHY 212	General College Chemistry I and General College Chemistry II or Physics: Calculus-Based I with Lab and Physics: Calculus-Based II with Lab	5 5 5 5
Subtotal		39	Subtotal		39
Required Chemistry Core Courses			Equivalent Courses at PPCC		
CHEM 121/L	General Chemistry I/Lab	(5)	CHE 111	General College Chemistry I (see statewide Gen Ed Core)	(5)
CHEM 122/L	General Chemistry II/Lab	(5)	CHE 112	General College Chemistry II (see statewide Gen Ed Core)	(5)
CHEM 221/L	Inorganic Chemistry/Lab	3			
CHEM 301/L	Organic Chemistry I/Lab	5	CHE 211	Organic Chemistry I This course is academically equivalent, but cannot be counted as Upper Division credit: NOT RECOMMENDED	5
CHEM 302/L	Organic Chemistry II/Lab	5	CHE 212	Organic Chemistry II This course is academically equivalent, but cannot be counted as Upper Division credit: NOT RECOMMENDED	5
CHEM 317/L	Quantitative Analysis/Lab	5			
CHEM 321	Physical Chemistry I	3			
CHEM 322	Physical Chemistry II	3			
CHEM 419/L	Instrumental Analysis/Lab	5			
CHEM 493	Seminar	1			
Subtotal		30	Subtotal		5
ACS Emphasis			Equivalent Courses at PPCC		

CHEM 323	Experimental Physical Chemistry	2			
CHEM 411	Biochemistry I	3			
CHEM 421	Advanced Inorganic Chemistry	3			
CHEM 492	Research	1			
Electives	Approved Chemistry Electives	6			
Subtotal		15	Subtotal		
Other Required Courses			Equivalent Courses at PPCC		
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	5	PHY 211	Physics: Calculus-based I	5
PHYS 222/L	General Physics II/Lab	5	PHY 212	Physics: Calculus-based II	5
Subtotal		15	Subtotal		15
Approved Minor					
Minor	Choose advisor approved minor	20			
Subtotal		20			
Additional Degree Requirements					
Free Elective	May be any academic discipline	1	*COM 115	*Public Speaking *1 credit allowed toward BS Degree	1 + *(2)
Subtotal		1	Subtotal		1
Total Credits for A.S.					62
Total Transfer Credit Accepted for A.S.					60
Total Additional Credit Required for B.S.					60
Total B.S. Degree Requirements					120

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 PPCC and CSU-Pueblo in Bachelor of Science in Chemistry (ASC Certified Emphasis). This agreement will be reviewed annually and revised (if necessary) as mutually agreed.

cam: 05/07/09
revised" 03/19/10