

2 + 2 Joint Articulation Transfer Agreement

Bachelor of Science in Mathematics (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 *A grade of B or better is required for Admission to the Teacher Education program	3	COM 115	Public Speaking *A grade of B or better is required for admission to the Teacher Education program	3
Humanities	Select from statewide Gen Ed Core	6	Humanities	Select from statewide Gen Ed Core	9
Social Science PSYCH 151 or PSYCH 251	Select from statewide Gen Ed Core Intro to Human Development and Childhood and Adolescence	3 3	Social Science PSY 235 or PSY 238	Select from statewide Gen Ed Core Human Growth & Development Child Development	3 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 and CHEM 122/L or PHYS 221/L and PHYS 222/L	General Chemistry I/Lab and General Chemistry II/Lab or General Physics I/Lab and General Physics II/Lab	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		42
Required Mathematics Major Courses			Equivalent Courses at PCC		
MATH 126	Calculus & Analytic Geometry I (see Gen Ed Core)	(5)	MAT 201	Calculus I (see Gen Ed Core)	(5)
MATH 207	Matrix & Vector Algebra w/App	2			
MATH 224	Calculus & Analytic Geometry II	5	MAT 202	Calculus II	5
MATH 307	Intro to Linear Algebra	4			
MATH 325	Intermediate Calculus	3			
MATH 327	Introduction to Algebraic Systems	4			
MATH 330	Intro to Higher Geometry	3			
MATH 350	Probability	3			
MATH 356	Statistics for Engineers & Scientists	3			
MATH 419	Number Theory	3			
MATH 421	Advanced Calculus I	4			

MATH 463	History of Mathematics	3			
MATH 477	Materials & Techniques of Teaching Secondary School Math	4			
Subtotal		41	Subtotal		5
Education Minor Course 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 485	Capstone Seminar in Education	2			
ED 488	Secondary Student Teaching	12			
RDG 435	Content Area Literacy	4			
MATH 477	Materials & Tech Teaching Sec. Ed.	4			
Subtotal		30	Subtotal		6
Additional Major Requirements			Equivalent Courses at PCC		
Lab Science Sequence	See Gen Ed Core	(10)	Lab Science Sequence	See Gen Ed Core	(10)
Comp Prog	Computer Programming	4			
Open Elective	May be any Academic Discipline	6	Electives	Select 7 additional credits from the A.A. approved list to complete the A.A. degree	7
Subtotal		10	Subtotal		7
Total Credits for A.S.					60
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 PCC and CSU-Pueblo in Bachelor of Science in Mathematics (Secondary Education Emphasis). This agreement will be reviewed annually and revised (if necessary) as mutually agreed.

cam: 02/26/09

revised: 02/22/10

revised: 06/08/10