

## 2 + 2 Joint Articulation Transfer Agreement (Draft)

### Bachelor of Science in Mathematics (Secondary Certification Emphasis)

#### Colorado State University – Pueblo And Pueblo Community College

<b>B.S. Requirements at CSU-Pueblo</b>			<b>A.S. Requirements at PCC</b>		
<b>Lower Division General Education Requirements</b>			<b>Equivalent Courses at PCC</b>		
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 to 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 General Chemistry I and	5	CHE 111	General College Chemistry I	5
	CHEM 122/L General Chemistry II	5	And CHE 112	General College Chemistry II	5
	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
<b>Subtotal</b>		<b>39</b>	<b>Subtotal</b>		<b>42</b>
<b>Required Mathematics Major Courses</b>			<b>Equivalent Courses at PCC</b>		
MATH 126	Calculus & Analytic Geometry I	(5)	MAT 201	Calculus I	(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	3			
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			
<b>Subtotal</b>		<b>37</b>	<b>Subtotal</b>		
<b>Education Minor Course Requirements</b>			<b>Equivalent Courses at PCC</b>		
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			
PSYCH 342	Educational Psychology	3			
RDG 435	Content Area Literacy	4			
MATH 477	Materials & Tech Teaching Sec. Ed.	4			

<b>Subtotal</b>		<b>37</b>	<b>Subtotal</b>		
<b>Additional Major Requirements</b>			<b>Equivalent Courses at PCC</b>		
Lab Science Sequence	Satisfied with General Education Physical & Life Science Core	(10)			
Comp Prog	Computer Programming	4			
Elective	Elective	3			
<b>Subtotal</b>		<b>7</b>	<b>Subtotal</b>		
<b>Total Credits for A.S.</b>					<b>60</b>
<b>Total Transfer Credit Accepted for A.S.</b>					<b>60</b>
<b>Total Additional Credit Required for B.S.</b>					<b>60</b>
<b>Total B.S. Degree Requirements</b>					<b>120</b>

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.

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Dr. John Garvin  
President  
Pueblo Community College

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Dr. Russell Meyer  
Provost  
Colorado State University –Pueblo

Date \_\_\_\_\_

Date \_\_\_\_\_

cam: 10/27/08  
Revised: 01/30/09