

## 2 + 2 Joint Articulation Transfer Agreement

### Bachelor of Science in Mathematics (General Math Emphasis)

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

<b>B.S. Requirements at CSU-Pueblo</b>			<b>A.S. Requirements at CCA</b>		
<b>Lower Division General Education Requirements</b>			<b>Equivalent Courses at CCA</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
			*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 and Analytic Geometry I	5	MAT 201	Calculus I	5
Physical and Life Sciences			Physical and Life Sciences		
CHE 121/L and CHE 122/L	General Chemistry I/Lab and General Chemistry II/Lab	5	CHE 111 and CHE 112	General College Chemistry I and General College Chemistry II	5
or PHYS 221/L and PHYS 222/L	General Physics I/Lab and General Physics II/Lab	5	or PHYS 211 and PHYS 212	Physics: Calculus-Based I with Lab and Physics: Calculus-Based II with Lab	5
<b>Subtotal</b>		<b>39</b>	<b>Subtotal</b>		<b>39</b>
<b>Required Mathematics Core Courses</b>			<b>Equivalent Courses at CCA</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	*MAT 203	*Calculus III <b>*Course is academically equivalent, but cannot be counted for Upper Division credit</b>	4
MATH 327	Abstract Algebra	4			
MATH 337	Differential Equations I	3	*MAT 265	*Differential Equations <b>*Course is academically equivalent, but cannot be counted for Upper Division credit</b>	3
MATH 350	Probability	3			
MATH 421	Advanced Calculus I	4			
MATH Elective	Upper-division MATH Electives	6			
<b>Subtotal</b>		<b>34</b>	<b>Subtotal</b>		<b>12</b>

<b>Related Skills &amp; Course Requirements</b>			<b>Equivalent Courses at CCA</b>		
Lab science	Lab Science Sequence (see Gen Ed Core)	(10)		Lab Science Sequence (see Gen Ed Core)	(10)
Computer Prog	Computer Programming	4			
<b>Subtotal</b>		<b>4</b>	<b>Subtotal</b>		
<b>Additional Degree Requirements</b>			<b>Equivalent Courses at CCA</b>		
Open Electives	May be any Academic Discipline. <b>Student must be sure to select enough Upper Division credit to meet the 40 hour Upper Division requirement</b>	43	*COM 115	*Public Speaking	3
				Choose additional credits approved for the A.S. degree.	6
<b>Subtotal</b>		<b>43</b>	<b>Subtotal</b>		<b>9</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 CCA and CSU-Pueblo in Bachelor of Science in Math (General Math Emphasis). This agreement will be reviewed annually and revised (if necessary) as mutually agreed.

cam: 11/12/09