

2 + 2 Joint Articulation Transfer Agreement

Bachelor of Science in Mathematics (Secondary Certification Emphasis)

Colorado State University – Pueblo And Community College Of Denver

B.S. Requirements at CSU-Pueblo			A.S. Requirements at CCD		
Lower Division General Education Requirements			Equivalent Courses at CCD		
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
	*A grade of B or better is required for admission to the Teacher Education program			*A grade of B or better is required for admission to the Teacher Education program	
Humanities	Select from statewide Gen Ed Core	6	*Humanities	*Select from statewide Gen Ed Core	6 + *(3)
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
or	or		or	or	
PSYCH 251	Childhood and Adolescence		PSY 238	Child Development	
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		5			
CHEM 121/L	General Chemistry I/Lab	5	CHE 111	General College Chemistry I	5
and	and		and	and	
CHEM 122/L	General Chemistry II/Lab	5	CHE 112	General College Chemistry II	5
or	or		or	or	
PHYS 221/L	General Physics I/Lab	5	PHY 211	Physics: Calculus-Based I with Lab	5
and	and		and	and	
PHYS 222/L	General Physics II/Lab		PHY 212	Physics: Calculus-Based II with Lab	5
Subtotal		39	Subtotal		39
Required Mathematics Major Courses			Equivalent Courses at CCD		
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	4
				*Course is academically equivalent, but cannot be counted for Upper Division credit	
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		9
Education Minor Course Requirements			Equivalent Courses at CCD		
ED 202	Foundations of Education	3	EDU 221	Introduction to Education	3
ED 280	Educational Media and 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			
Subtotal		30	Subtotal		3
Additional Major Requirements			Equivalent Courses at CCD		
Lab Science Sequence	See Gen Ed Core	(10)	Lab Science Sequence	See Gen Ed Core	(10)
Comp Prog	Computer Programming	4	CSC 119	Introduction to Programming	3
Open Elective	May be any Academic Discipline	6	*Humanities	*Statewide Gen Ed Humanities Core	3
			A.S. Electives	Choose 3 credits from the AS approved list to completed the A.S. Degree	3
Subtotal		10	Subtotal		9
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 CCD 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: 12/14/09
revised: 06/02/10