

## 2 + 2 Joint Articulation Transfer Agreement

### Bachelor Science in Biology (Basic Biology Emphasis)

#### Colorado State University – Pueblo And Northeastern Junior College

<b>B.S. Requirements at CSU-Pueblo</b>			<b>A.S. Requirements at NJC</b>		
<b>Lower Division General Education Requirements</b>			<b>Equivalent Courses at NJC</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 *See Open Electives Section	6 + *(3)
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 221	Applied Calculus: Intuitive Approach	3	MAT 201	Calculus I	5
Physical and Life Sciences			Physical and Life Sciences		
BIOL 181/L and BIOL 182/L	College Biology I/Organismal Biol/Lab and College Biology II/Cellular Biol/Lab	4 4	BIO 112 and BIO 111	General College Biology II and General College Biology I	5 5
<b>Subtotal</b>		<b>36</b>	<b>Subtotal</b>		<b>39</b>
<b>Required Biology Core Courses</b>			<b>Equivalent Courses at NJC</b>		
BIOL 171	Career Planning I	1			
BIOL 181/L	College Biology I/Organismal Biol/Lab	(4)	BIO 112	General College Biology II	(5)
BIOL 182/L	College Biology II/Cellular Biol/Lab	(4)	BIO 111	General College Biology I	(5)
BIOL 201/L or BIOL 202/L	Botany/Lab or Zoology/Lab	4			
BIOL 301/L	General Microbiology/Lab	5			
BIOL 350	Mendelian & Population Genetics	2			
BIOL 351	Molecular Biology & Genetics	2			
BIOL 352	Evolutionary Biology & Ecology	3			
BIOL 412/L Or BIOL 413/L Or BIOL 414/L	Cellular Biology/Lab  Plant Physiology/Lab  Vertebrate Physiology/Lab	4 4 4			
BIOL 493	Seminar	1			
Biology Electives	Advisor Approved Upper Division Biology Electives	15			
<b>Subtotal</b>		<b>37</b>	<b>Subtotal</b>		<b>0</b>
<b>Required Support Courses</b>			<b>Equivalent Courses at NJC</b>		
CHEM 121/L	General Chemistry I/Lab	5	CHE 111	General College Chemistry I	5
CHEM 122/L	General Chemistry II/Lab	5	CHE 112	General College Chemistry II	5
CHEM 301/L	Organic Chemistry I/Lab	5			
CHEM 302/L	Organic Chemistry II/Lab	5			
MATH 156	Introduction to Statistics	3	MAT 135	Introduction to Statistics	3

MATH 221	Applied Calculus: Intuitive Approach	(4)	MAT 201	Calculus I	(5)
PHYS 201/L	Principles of Physics I/Lab	4	PHY 111	Physics: Algebra-based I	5
PHYS 202/L	Principles of Physics II/Lab	4	PHY 112	Physics: Algebra-based II	5
Open Electives	May be any academic discipline including Biology	16	*Humanities	*Humanities Gen Ed Course *3 credits carried over from the Gen Ed Humanities Core	
<b>Subtotal</b>		<b>47</b>	<b>Subtotal</b>		<b>23</b>
<b>Total Credits for A.S.</b>					<b>62</b>
<b>Total Transfer Credit Accepted for A.S.</b>					<b>60</b>
<b>Total Additional Credit Required for B.S.</b>					<b>61</b>
<b>Total B.S. Degree Requirements</b>					<b>121</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 NJC and CSU-Pueblo in Bachelor of Science in Biology (Basic Biology Emphasis). This agreement will be reviewed annually and revised (if necessary) as mutually agreed.

cam: 11/11/09  
revised: 06/13/10  
revised: 08/14/10