

**Program-to-Program Articulation Agreement for MassTransfer\*  
between Holyoke Community College and Westfield State University**

\*Prior to transferring, successful completion of the associate's degree program, including the 34-credit MassTransfer block of courses, is required for the consideration of full MassTransfer benefits.

<b>Holyoke Community College</b>			<b>Westfield State University</b>		
<b>A.S. in Arts &amp; Science, Biology Option</b>			<b>B.S. in Biology</b>		
<i>MassTransfer Block requirements*:</i>			<i>WSU Course equivalencies:</i>		
		<i>Credits:</i>			<i>Credits:</i>
ENG 101	Language and Literature I (A)	3	ENGL 0101	English Composition I	3
ENG 102	Language and Literature II (A)	3	ENGL 0102	English Composition II	3
	Social Science (B)	3		General MassTransfer block credit	3
	Social Science (B)	3		General MassTransfer block credit	3
	Social Science (B)	3		General MassTransfer block credit	3
	Humanities ( C )	3		General MassTransfer block credit	3
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<b>BIO 103</b>	<b>Biology Today I (D) and</b>	<b>4 and</b>	<b>BIOL 0129</b>	<b>Intro Molecular, Cellular, Developmental Bio</b>	<b>4</b>
<b>BIO 104</b>	<b>Biology Today II (D); OR See Note 1</b>	<b>4; or</b>	<b>BIOL 0128</b>	<b>Intro Organismal, Ecological, Evolutionary Bio</b>	<b>4</b>
BIO 110/120	Gen Botany and Gen Zoology (D)	8		Biology major elective credit	8
MTH 142	Statistics (D)	3		General MassTransfer block credit	3
<b>MassTransfer Block credit total</b>		<b>35</b>			
<b>Program requirements:</b>					
<i>Select 8 credits/ 2 courses from the following list:</i>					
BIO 106	Biotechnology Lab Techniques	4		General Elective	4
BIO 222	Vertebrate Field Biology (D)	4		General Elective	4
BIO 223	Animal Behavior (D)	4		Biology major elective credit (no lab)	4
<b>BIO 229</b>	<b>Microbiology (D)</b>	<b>4</b>	<b>BIOL 0223</b>	<b>Microbiology</b>	<b>4</b>
<b>BIO 230</b>	<b>Ecology (D)</b>	<b>4</b>	<b>BIOL 0201</b>	<b>General Ecology</b>	<b>4</b>
<b>BIO 243</b>	<b>Genetics (D)</b>	<b>4</b>	<b>BIOL 0203</b>	<b>Genetics I</b>	<b>4</b>
<i>Select 8 credits/ 2 courses from the following list:</i>					
<b>CHM 121</b>	<b>Inorganic Chemistry I (D) or</b>	<b>4</b>	<b>CHEM 0109</b>	<b>General Chemistry I</b>	<b>4</b>
<b>CHM 113</b>	<b>Principles Chemistry I (D) See Note 2</b>		<b>CHEM 0109</b>	<b>General Chemistry I</b>	<b>4</b>
<b>CHM 124</b>	<b>Inorganic Chemistry II (D) or</b>	<b>4</b>	<b>CHEM 0111</b>	<b>General Chemistry II</b>	<b>4</b>
<b>CHM 114</b>	<b>Principles Chemistry II (D)</b>		<b>CHEM 0111</b>	<b>General Chemistry II</b>	<b>4</b>
<b>Recommended math elective (See Note 3):</b>					
MTH 113	Analytic Geometry & Calculus I (D)	4		General MassTransfer block credit	<b>4 or</b>
<b>Recommended math or science electives, select 2 courses:</b>					
MTH 114	Analytic Geometry & Calculus II (D)	4	MATH 0106	Calculus II	4
<b>CHM 221</b>	<b>Organic Chemistry I (D)</b>	<b>4</b>	<b>CHEM 0201</b>	<b>Organic Chemistry I</b>	<b>4</b>
<b>CHM 222</b>	<b>Organic Chemistry II (D)</b>	<b>4</b>	<b>CHEM 0203</b>	<b>Organic Chemistry II</b>	<b>4</b>
<b>TOTAL credits completed toward the bachelor's degree</b>					<b>63</b>
<b>TOTAL credits required for the bachelor's degree</b>					<b>120</b>
<i>Note 1: It is recommended that students planning to transfer to Westfield State as Biology or Chemistry majors select among the HCC BIO and CHEM courses in bold print for each category of program requirements or electives.</i>					
<i>Note 2: The WSU Biology and Chemistry majors require completion of CHEM 0109, 0111, 0201 and 0203.</i>					
<i>Note 3: One year of Calculus is recommended for students planning to attend graduate school.</i>					
updated June 2011					