

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

\*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.

Courses in **bold** font denote WSC major requirements.

<b>Holyoke Community College</b>				<b>Westfield State College</b>			
<b>A.S. in Arts &amp; Science, Chemistry Option</b>				<b>B.S. in Chemistry</b>			
<b>MassTransfer Block requirements*:</b>				<b>WSC Course equivalencies:</b>			
			<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>CHM 121</b>	<b>Inorganic Chemistry I (D)</b>		<b>4</b>	<b>CHEM 0109</b>	<b>General Chemistry I</b>		<b>4</b>
<b>CHM 124</b>	<b>Inorganic Chemistry II (D)</b>		<b>4</b>	<b>CHEM 0111</b>	<b>General Chemistry II</b>		<b>4</b>
<b>MTH 111</b>	<b>Analytic Geometry &amp; Calculus I (D)</b>		<b>4</b>	<b>MATH 0105</b>	<b>Calculus I</b>		<b>4</b>
<b>MassTransfer Block credit total</b>			<b>36</b>				
<b>Program requirements: 8 credits</b>							
<b>CHM 221</b>	<b>Organic Chemistry I</b>		<b>4</b>	<b>CHEM 0201</b>	<b>Organic Chemistry I</b>		<b>4</b>
<b>CHM 224</b>	<b>Organic Chemistry IIA or</b>		<b>5</b>	<b>CHEM 0203</b>	<b>Organic Chemistry II (WSC 4 cr) or</b>		<b>5</b>
<b>CHM 222</b>	<b>Organic Chemistry II</b>		<b>4</b>	<b>CHEM 0203</b>	<b>Organic Chemistry II</b>		<b>4</b>
<b>Recommended electives: 12 credits</b>							
A total of 16 elective credits is required for the A.S. degree;							
only 6 elective credits (2 courses) may be taken in non-arts & science areas							
The following courses are required for WSC Chemistry majors:							
<b>MTH 112</b>	<b>Analytic Geometry &amp; Calculus II (D)</b>		<b>4</b>	<b>MATH 0106</b>	<b>Calculus II</b>		<b>4</b>
<b>PHS 111</b>	<b>Physics for Engineers &amp; Science I</b>		<b>4</b>	<b>PHSC 0125</b>	<b>Physics I</b>		<b>4</b>
<b>PHS 112</b>	<b>Physics for Engineers &amp; Science II</b>		<b>4</b>	<b>PHSC 0127</b>	<b>Physics II</b>		<b>4</b>
<b>Suggested Electives: 4 credits total minimum</b>							
MTH 211	Analytic Geometry & Calculus III		4		General Elective		4
ENG 218	Advanced Writing		3		General Elective		3
FRH	French language, one course		3		General Elective		3
GER	German language, one course		3		General Elective		3
<b>TOTAL credits completed toward the bachelor's degree</b>							<b>60</b>
<b>TOTAL credits required for the bachelor's degree</b>							<b>120</b>
updated 4/23/09							