MASS COLLEGES articulation agreement:	MassTransfer		
Holyoke Community College AA in Biotechnology Transfer Pathway			
to Westfield State University BS in Biology with Biotechnology concentration			
* Denotes Community College MassTransfer Block requirement			
Denotes WSU Biology and Biotechnology concentration major requirement			
To earn the bachelor's degree, a minimum of 30 credits must be completed at WSU.			

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Associate's Degree Requirements:	Credits	Bachelor's Degree Requirements:	Cradita
Courses	1		Credits
ENG 101/ec English Composition I *	3	ENGL 0101 English Composition I	3
ENG 102/ec English Composition II *	3	ENGL 0101 English Composition II	3
Social Science Elective/ss *	3	Core Requirement	3
Social Science Elective/ss *	3	Core Requirement	3
Humanities/hu - Fine Arts (see below for options) *	3	Core Requirement	3
Humanities/hu - Fine Arts (see below for options) *	3	Core Requirement	3
BIO 107 General Biology I	4	BIOL 0129 General Biology I	4
BIO 108 General Biology II	4	BIOL 0128 General Biology II	4
MTH 104 or MTH 108 or MTH 113 (prefer)	4	Math 0105 Calculus I	4
STEM MassTransfer Block total	30		30
Additional Requirements & General Elective			
CHM 121 Chemistry for Science Majors I	4	CHEM 0109 General Chemistry I	4
CHM 124 Chemistry for Science Majors II	4	CHEM 0111 General Chemistry II	4
BIO 106 Intro to Biotechnology	4	BIOL Elective Credit	4
BIO 113 Biotechnology Seminar/CRC 101	1	BIOL Elective Credit	1
BIO 229 Microbiology	4	BIOL 0223 Microbiology	4
BIO 240 Cell Culture and Protein Purification	4	BIOL Elective Credit	4
MTH 142 Statistics	3	MATH 0108 Elementary Statistics	3
Select 2 from the following:	8	,	
BIO 243 Genetics		BIOL 0203 Genetics	4
BIO 242 Cell Biology		BIOL 0205 Cell Biology	4
MTH 108 Precalculus	ı		
MTH 113 Calculus I			
CHM 221 & 222 Organic Chemistry I/II		CHEM 201 & 203 Organic Chemistry I/II	8
PHS 111 & 112 Physics for Engineer/Science I/II		PHSC 0125 & 0127 Physics I/II	4
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		Additional major requirements:	
		BIOL 0201 General Ecology	4
Notes:		BIOL 0230 Evolution	3
Suggested electives:		BIOL 0237 Human Anatomy & Physiology	4
Social Science Elective ECN 101		BIOL 0278 Biostatistics	3
Humanites Elective PHI 120		BIOL 0281 Seminar: Practices and Policies in Biotech	1
Transaction Library 1111 120		BIOL 0313 Immunology	4
Students selecting CHM 221 must also take CHM 222		BIOL 0342 Drugs: From Start to Finish	3
Students selecting CHM 221 must also take CHM 222		BIOL 0377 Research Experience	6
Students selecting PHS 111 must also take PHS 112		BIOL 0380 Senior Seminar	1
		BIOL 0180 Introductory Seminar in Biology	1 72
		Major credits	73
		Additional Core/General Electives	
		(Advisor will give list of qualifying elective credits)	0-17
		(Faction will give list of qualifying elective credits)	U-11
Associate's degree credit total:	62	Bachelor's degree credit total:	120

	Courses in blue are WSU major requirements