

Mohawk Valley Community College LA&S Math & Sciences: Environmental Science - Biophysical					SUNY Polytechnic Institute Biology				
Course #	Course Title	SUNY Gen Ed		Credits Granted	Course #	Equivalent Course Title	SUNY Gen Ed		Credits Accepted
CF 100	College Foundations Seminar			1	FYS 101	First Year Seminar			1
BI 141	General Biology I	X		4	BIO 103T + BIO 103L	Biology I Lecture and Biology I Laboratory	X		4
MA 125	College Algebra & Trigonometry	X		4	MAT 110	College Algebra	X		4
CH 141	General Chemistry I	X		4	CHE 130T + CHE 130L	Introductory Chemistry I Lecture and Laboratory	X		4
EN 101	English I: Composition	X		3	ENG 101	English Composition	X		3
Phys Ed	Physical Education			5	REC 000	Recreation Elective			5
EN 102	English II: Ideas & Values in Literature	X		3	ENG 110	Intro to Literature	X		3
BI 142	General Biology II	X		4	BIO 104T + BIO 104L	Biology II Lecture and Biology II Laboratory	X		4
CH 142	General Chemistry II	X		4	CHE 131T + CHE 131L	Introductory Chemistry II Lecture and Laboratory	X		4
MA 150	Pre-Calculus	X		4	MAT 120	Precalculus	X		4
Phys Ed	Physical Education			5	REC 000	Recreation Elective			5
MA 151	Calculus I	X		4	MAT 150	Calculus I	X		4
HI 101	History of Civilization I	X		3		Gen Ed	X		3
BI 105	Environmental Science	X		4	BIO 106	Solutions for a Sustainable World	X		4
	Business Management Elective (see "A" below)	X		3	Gen Ed	General Education—Social Science	X		3
Phys Ed	Physical Education			5		Recreation Elective			5
	Social Science Elective (See B" below)	X		3		SOS Gen Ed	X		3
BI 202	Ecology	X		4	BIO 300	Ecology	X		4
MA 110	Elementary Statistics	X		3	STA 100	Statistics	X		4
PH 261	Engineering Physics I	X		4	PHY 201T + PHY 201L	Calculus Based Physics I	X		4
	General Education (See "C" below)	X		3		Elective	X		3
Phys Ed	Physical Education			5	REC 000	Recreation Elective			5
					Fall Year Three				
					BIO 270	Cell Biology			4
					CHE 430T/L	Biochemistry I Lecture + Laboratory			4
					COM 308	Analytical and Research Writing			4
						Open elective			4
					BIO 390	Junior Seminar			1
					Spring Year Three				
					BIO 351	Genetics			4
						Open elective			4
						Open elective			4
						Biology program required elective			4
					Fall Year Four				
						Biology program required elective			4
						Open elective			4
						Open elective			4
						Open elective			4
					Spring Year Four				
					BIO 380	Evolution			4
					BIO 315	Plant/Animal Physiology			4
					BIO 487	Senior Seminar			1
						Biology program required elective 300/400 level			4
						Open elective			4
				<b>Total Credits Eligible for Transfer</b>	<b>64</b>				
				<b>Total Transfer Credits Applied to Program</b>					<b>64</b>
				<b>Total Credits Required after Transfer</b>					<b>60</b>
				<b>Total Credits Required for Degree</b>					<b>124</b>

- A.) Students can choose one of the following courses: BM 101, BM 110, or BM 115  
B.) Students can choose one of the following courses: PY 101, SO 101, AN 101, or AN 102  
C.) Students can choose one of the following courses: EN 197, GE 101, HI 102, HI 103, HI 104  
HI 111, HI 112, FL 101, HU 183, HU 187, HU 188, HU 204, HU 227, HU 228, HU 295, SO 207  
TH 193, TH 195 or any Foreign Language

Students in this program will have the majority of their cognate courses finished by the time they enter SUNY Poly; they are encouraged to use their open class spaces in years 3 and 4 to obtain a minor or pre-graduate school requirements.