

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	
			Total Credits Eligible for Transfer				64	
						Total Transfer Credits Applied to Program	64	
						Total Credits Required after Transfer	60	
						Total Credits Required for Degree	124	

- 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.