

Mohawk Valley Community College LAS: Mathematics & Science - Chemistry					SUNY Polytechnic Institute Biology				
Course #	Course Title	SUNY Gen Ed		Credits Granted	Course #	Equivalent Course Title	SUNY Gen Ed		Credits Accepted
CF 100	College Foundation Seminar			1	FYS 101	First Year Seminar			1
CH141	General Chemistry 1	X		4	CHE 130T + CHE 130L	Introductory Chemistry I Lecture and Laboratory	X		4
EN101	English 1: Composition	X		3	ENG 101	English Composition	X		3
MA151	Calculus	X		4	MAT 150	Calculus I	X		4
	Core GE Social Science (see 'A' below)	X		3		Soc Sci Gen Ed	X		3
	Physical Education			.5		Recreation Elective			.5
CH142	General Chemistry 2	X		4	CHE 131T + CHE 131L	Introductory Chemistry II Lecture and Laboratory	X		4
EN102	English 2: Ideas & Values in Literature	X		3	ENG 110	Intro to Literature	X		3
MA152	Calculus 2	X		4	MAT 151	Calculus II	X		4
PH261	Engineering Physics 1	X		4	PHY 201T + PHY 201L	Calculus Based Physics I	X		4
	Physical Education			.5		Recreation Elective			.5
CH247	Organic Chemistry 1	X		5	CHE 230T + CHE 230L	Organic Chemistry I Lecture and Laboratory	X		5
PH262	Engineering Physics 2	X		4	PHY 202T + PHY 202L	Calculus Based Physics II	X		4
BI 141	Restricted Elective (see 'B' below)	X		4	BIO 103T + BIO 103L	Biology I Lecture and Laboratory	X		4
	Physical Education			.5					
CH248	Organic Chemistry 2	X		5	CHE 231T + CHE 231L	Organic Chemistry II Lecture and Laboratory	X		5
	GE Social Science	X		3		Gen Ed Social Science	X		3
BI 142	Restricted Elective (see 'B' below)	X		4	BIO 104T + BIO 104L	Biology II Lecture and Laboratory	X		4
	Chemistry Elective	X		4-5		TBD	X		4-5
	Physical Education			.5		Recreation Elective			.5
					Fall Year Three				
					BIO 270	Cell Biology			4
					CHE 430T + CHE 430L	Biochemistry I Lecture and Laboratory			4
					COM 308	Analytical and Research Writing			4
						Open elective			4
					Spring Year Three				
					BIO 380	Evolution			4
					BIO 351	Genetics			4
					STA 100	Statistics			4
						Open elective			4
					Fall Year Four				
					BIO XXX	Biology Elective			4
					BIO 300T + BIO 300L	Ecology			4
					PHY 101T + PHY 101L	Physics I Lecture and Laboratory			4
					BIO 390	Junior Seminar			1
						Open elective			4
					Spring Year Four				
					BIO XXX	Biology program required elective 300/400 level			4
					BIO 315	Plant/Animal Physiology			4
						Biology program required elective			4
						Open elective			4
					BIO 487	Senior Seminar			1
				Total Credits Eligible for Transfer					61-62
								Total Transfer Credits Applied to Program	60-62
								Total Credits Required after Transfer	62-64
								Total Credits Required for Degree	124

A.) Social Science (choose one): AN101, GE101, PS101, PY101, or SO101

B.) Restricted elective (choose three): BI141, BI142, BI201, CH246, ES161, GL101, MA253, MA260, PH263

Poly recommends students take BI 141 & BI 142 as two of their restricted electives. If students are interested in health care or medical school programs, Poly suggests they also take BI 201.

Additional required courses completed at MVCC prior to Poly open up more electives that can be used to complete a minor or pre-graduate school requirements.