

Onondaga Community College			SUNY Polytechnic		
LA&S Mathematics & Science, Biology specialization			Biology		
Course #	Course Title	Credits	Course #	Equivalent Course Title	Credits Accepted
Year One- Fall			Year One- Fall		
ENG 103	Freshman composition and Literature I	3	ENG 101	English Composition	4
MAT 161	Calculus I	4	MAT 151	Calculus I	4
CHE 171/L	General Chemistry I +lab	3+1	CHE 130 T/L	Introductory Chemistry I Lecture/Lab	3+1
BIO 151	General Biology I	4	BIO 103 T/L	Biology I Lecture/Lab	3+1
Year One-Spring			Year One-Spring		
ENG 104	Freshman Composition and Literature II	3	HUM 001	Humanities General Education	4
CHE 172/L	General Chemistry II +lab	3+1	CHE 131 T/L	Introductory Chemistry I Lecture/Lab	3+1
BIO 152	General Biology II	4	BIO 104 T/L	Biology II Lecture/Lab	3+1
	Gen Ed *	3		Gen Ed	4
Year Two- Fall			Year Two- Fall		
MAT 151	Statistics I	4	STA 100	Statistical Methods	4
COM 100/COM 210	Introduction to Communication or Public Speaking	3	ASCI 000	Arts and Sciences Elective	3
	Gen Ed*	3		Gen Ed	4
	Biology elective (see below)	3 to 4		Science (see below)	3 to 4
	Biology elective (see below)	3 to 4		Science (see below)	3 to 4
Year Two- Spring			Year Two- Spring		
	Gen Ed*	3		Gen Ed	4
	Biology elective (see below)	3 to 4		Science (see below)	4
	Biology elective (see below)	3 to 4		Science (see below)	4
	General electives	3		open elective	3
	General electives	3		open elective	3
Year Three-Fall			Year Three-Fall		
			BIO 300 T/L	Ecology lecture/lab	3+1
			COM 308	Analytical and Research Writing	4
			CHE 230 T/L	Organic Chemistry I lecture/lab (if needed)	3+1
			BIO 351	Genetics (if needed)	4
			BIO390	Junior Seminar	1
Year Three-Spring			Year Three-Spring		
			BIO 270	Cell Biology	4
			CHE 231 T/L	Organic Chemistry II lecture/lab (if needed)	3+1
			BIO 315	Plant/Animal Physiology	4
				Bio program elective	4
Year Four- Fall			Year Four- Fall		
			CHE 430 T/L	Biochemistry I lecture/lab	3+1
			BIO 380	Evolution	4
				Bio program elective	4
				open elective	2 to 4
Year Four-Spring			Year Four-Spring		
				Bio program elective	4
			BIO 380	Evolution	4
				Bio program elective	4
				open elective	2 to 4
			BIO 390	Senior Seminar	1
		61-65		Total Transfer Applied	61-65
				Total Remaining at SUNY POLY	59-63
				Total for Bachelors	124

Poly equivalents for biology electives. * indicates recommended by Poly

*Bio 205	*General Microbiology	4	Bio 275 T/L	Microbiology (program elective)	4
*Bio 253	*Genetics	4	Bio 351	Genetics (program core)	4
Che 205/L	Organic Chem I No lab	4	Che 230 T	Organic Chem I lecture only (program core, needs lab)	4
Che 206/L	Organic Chem II No lab	4	Che 231 T	Organic Chem II lecture only (program core, needs lab)	4
*Phy 103	*General Physics I	4	Phy 101 T/L	General Physics I lecture/Lab (program core)	3+1
Phy 104	General Physics II	4	Phy 102 T/L	General Physics II lecture/lab	3+1
Phy 105	Physics I (calc)	4	Phy 201 T/L	Calculus Based Physics I lecture/Lab	3+1
Phy 205	Physics II (calc)	4	Phy 202 T/L	Calculus Based Physics II lecture/Lab	3+1

* Physics 2 recommended for pre-med

*Make sure your SUNY Gen. Ed.'s are from three different categories chosen from Social Sciences, The Arts, Foreign Language, American History, Western Civilization, or Other World Civilizations.