Mohawk Valley Community College — Computer Science					SUNY Polytechnic Institute — Computer Information Science				
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
CI110	Principles of Programming			3	CSC 317	Computer Systems & C Programming			3
CI130	Programming in C++			3	CS 108	Computing Fundamentals			3
EN101	English 1: Composition	X		3	ENG 101	Freshman Composition	X		3
MA151	Calculus 1	X		4	MAT 152	Calculus I	X		4
HI 101	History of Western Civ I	X		3	SOS 001	General Ed – Other Wold Civ & Western Civ	X		3
	Physical Education			.5	REC 000	Recreation Elective			.5
CI230	Data Structures			3	CS 240	Data Structures			3
EN102	English 2:Ideas & Values in Literature	X		3	ENG 110	Introduction to Literature	X		3
MA152	Calculus 2	X		4	MAT 152	Calculus II	X		4
PH115	Science of Multimedia			4	NSC 001	Natural Science Elective			4
SO 101	Introduction to Sociology	X		3	SOS 001	General Ed – Social Science	X		3
	Physical Education			.5	REC 000	Recreation Elective			.5
	Physics Elective (See "C" below)	X		4	NSC 001	Natural Science Elective see notes	X		4
CI245	JAVA Programming			3	CS 249	Object Oriented Programming			3
CI285	Systems Operations & Management			3	CSC 000	Computer Science Elective			3
MA275	Discrete Algebraic Structures	X		4	MAT 115	Finite Math for Computer Science	X		4
	Physical Education			.5	REC 000	Recreation Elective			.5
CI260	Microcomputer Programming			3	CS 220	Computer Organization			3
CI271	Database Design & Implementation			3	IS 325	Database Management Systems			3
	Physics Elective (See "C" below)	X		4	NSC 001	Natural Science Elective see notes	X		4
	Elective (See "D" below)	X		3	Gen Ed	General Education	X		3
	Physical Education			.5	REC 000	Recreation Elective			.5
						Upper Level Computer Science Elective			4
						Gen Ed Elective			4
						Gen Ed Elective			4
						Open Elective			4
						Upper Level Computer Science Elective			4
						General Education Elective			4
						General Education Elective			4
						Open Elective			4
					CS 431	Principles of Programming Languages			4
					CS 3XX	Upper Level Computer Science Elective			4
						Open Elective			4
						Open Elective			4
					CS 498	Capstone Project			4
						Open Elective			4
						Open Elective			4
						Open Elective			4
	Total Credits Eligible for Transfer			63		Total Transfer Credits Applied to Program			63
						Total Credits Required after Transfer			61
						Total Credits Required for Degree			124

A.) GE Social Science (choose one): AN 101, BM 101, GE 101, PS 101, PY 101, or SO 101
B.) Students must complete 2 courses from History/Civilization/The Arts: Choose two courses from the following different options:
    a.) HI 111 or HI 112
    b.) HI 101, HI 102, HI 103, HI 104, HU 204, HU 205, HU 290 or HU 295
    c.) AN 102, GE 101, HU 227, HU 228 or SO 207
    d.) EN 197, GC 244, HU 183, HU 184, HU 187, HU 188, HU 210, HU 292 or PT 205

C.) Physics Elective (choose one sequence): SUNY Poly recommends PH 261 & PH 262

D.) Elective: Students must choose two courses from the following four categories:
1. American History HI111, HI 112
2. Western Civilization
3. Other World Civilization
4. Arts

SUNY Poly Notes:
Four math courses are required for graduation:
    1) Finite or Discrete Math (MAT 115 or MAT 413)
    2) Calculus I (MAT 151)
    3) Two of the following: Calculus II, Linear Algebra, Statistics, Numerical Methods, Probability, Number Theory, Geometry, Symbolic Logic, Mathematical Modeling, or Calculus III.

Minimum of two courses required by science and/or engineering majors.

SUNY Polytechnic Institute	MVCC
BIO 101T/L Introduction to Biology Lecture/Lab	BI 101
BIO 103T/L Biology 1 Lecture/Lab	BI 141
BIO104T/L Biology 2 Lecture/Lab	BI 142
BIO 215T/L Anatomy and Physiology 1 Lecture/Lab	BI 216
BIO 216T/L Anatomy and Physiology 2 Lecture/Lab	BI 217
BIO 270 Cell Biology	No Equivalent
BIO 275 T/L Microbiology Lecture/Lab	BI 201
CHE 110T/L Essentials of Chemistry w/lab	CH 111
CHE 130T/L Introductory Chemistry I Lecture/Lab	CH 141
CHE 131T/L Introductory Chemistry 2 Lecture/Lab	CH 142
CHE 230T/L Organic Chemistry 1 Lecture/Lab	CH 247
CHE 231T/L Organic Chemistry 2 Lecture/Lab	CH 248
PHY 201T/L Physics I (calc-based)	PH 261
PHY 202T/L Physics II (calc-based)	PH 262