Mohawk Valley Community College LAS: Mathematics & Science - Physics				SUNY Polytechnic Institute B.S Applied Mathematics			
Course #	Course Title	SUNY Gen Ed	Credits Granted	Course #	Equivalent Course Title	SUNY Gen Ed	Credits Accepted
CF 100	College Foundation Seminar		1	FYS 100	First Year Seminar		1
CH141	General Chemistry 1	Х	4	CHE 130	Introductory Chemistry I	X	4
EN101	English 1: Composition	X	3	ENG 101	Freshman Composition	X	3
ES161	Introduction to Engineering & Science		3	ESC 110	Introduction to Engineering		3
MA151	Calculus 1	Х	4	MAT 151	Calculus I	Х	4
	Physical Education		.5	REC 000	Recreation Elective		0.5
CH142	General Chemistry 2	X	4	CHE 131	Introductory Chemistry II	X	4
EN102	English 2: Ideas & Values in Literature	Х	3	ENG 110	Intro to Literature	X	3
MA152	Calculus 2	Х	4	MAT 152	Calculus II	X	4
PH261	Engineering Physics 1	X	4	PHY 201	Calculus Based Physics I	Х	4
	Physical Education		.5	REC 000	Recreation Elective		0.5
ES291	Electrical Circuits 1		4	ECE 260	Electrical Circuits		4
MA253	Calculus 3	X	4	MAT 253	Calculus III	Х	4
PH262	Engineering Physics 2	X	4	PHY 202	Calculus Based Physics II	Х	4
	Social Science Restricted Elective (see 'A' below)	Х	3	PSY 100	Principals of Psychology	Х	3
	Physical Education		.5	REC 000	Recreation Elective		0.5
HI101	History of Civilization 1	X	3	WCV 101	Gen Ed West Civ	X	3
MA260	Differential Equations	X	3	MAT 260	Ord Diff Eqtns & Series Sltns	X	4
MA280	Linear Algebra	Х	3	MAT 280	Linear Algebra	Х	3
PH265	Modern Physics and Thermodynamics		4	PHY 290	Topics in Physics		4
PH270	Waves and Oscillations (See 'B' Below)		3	PHY 203	Physics III		3
	Physical Education		.5	REC 000	Recreation Elective		0.5
				NAT 070			
				MAT 370 MAT 381	Applied Probability Modern Algebra		4
				CSC XXX	Computer Science Programming Course		4
					Open Elective		4
				MAT XXX	Restricted Elective		4
				COM 306 or 308 CSC XXX	Upper Division Writing Computer Science Course		4
					Open Elective		4
				NAT 100			
				MAT 420	Complex Analysis		4
				MAT XXX	Restricted Elective Gen Ed		4
					Open Elective		4
				1			4
				Spring	Deel Analysia		4
				MAT 425 MAT XXX	Real Analysis Restricted Elective		4
					Open Elective		4
					Open Elective Open Elective		4
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	То	tal Credits Eligible for Transfer	64	J		Total Transfer Credits Applied to Program	63
Total Credits Required a Total Credits Required							64

A.) Social Science Elective: AN101, PS101, PY101, SO101
B.) For the purposes of this agreement this course articulates with PHY 203 at SUNY Poly. Should curriculum changes be made amendments to this advisement guide will follow.