Mohawk Valley Community College Mechanical Engineering Technology					SUNY Polytechnic Institute Mechanical Engineering Technology			
Course #	Course Title	SUNY Gen Ed	Credits Granted	Course #	Equivalent Course Title	SUNY Gen Ed	Credits Accepted	
F 100	College Foundation Seminar		1	FYS 101	First Year Seminar		1	
N101	English 1: Composition	X	3	ENG 101	Freshman Composition	Х	3	
A121	Fundamentals of College Mathematics 1	X	4	MAT 111	College Mathematics	X	4	
T114	Manufacturing Processes	~ ~ ~	3	MTC 101	Intro to Engineering Technology		3	
IT140	Drafting and Design Using Auto CAD		3	MTC 162	Computer-Aided Design		3	
MT155	Introduction to Solid Modeling		3	MTC 240	Solid Modeling & 3D Printing		3	
	Physical Education		.5	REC 000	Recreation Elective		.5	
N102	English 2: Ideas & Values in Literature	X	3	HUM 001	Gen Ed Humanities/Transfer	X	3	
A122	Fundamentals of College Mathematics 2	X	4	MAT 120	Precalculus	X	4	
IT126	Statics: Mechanical		3	MTC 218	Statics (Mechanical Engr. Elective)		3	
/T120 /T141	Machining Fundamentals		4	MTC 211 T&L	Manufacturing Process Theory & Lab		4	
WII 141	Physical Education		.5	REC 000	Recreation Elective		.5	
		N N		01/5 400		X		
H141	General Chemistry 1	X	4	CHE 130	Introductory Chemistry I	X	4	
1T207	Computer-Aided Manufacturing (CAM)		°	MTC 342 T&L	Computer-Aided Manufacturing Theory & Lab		ů	
1T230	Strength of Materials – Mechanical		4	MTC 224	Statics & Strength of Materials		4	
MT231	Lean Six Sigma		4	MTC 373	Statistical Quality Control(Upper Level Mech Engr. elective)		4	
	Physical Education		.5	REC 000	Recreation Elective		.5	
IT203	Design of Machine Elements		3	MTC 226	Mechanical Components		3	
IT204	Automatic Controls		3	MTC 000	Mechanical Engr. Elective		4	
IT209	Materials Science		3	MTC 136	Material Science Applications		3	
IT252	Fluid Mechanics		4	MTC 264T&L	Fluid Mechanics Theory & Lab		4	
	Social Science Restricted Electives (see 'A' below)	X	3	SOS 001	Gen Ed Social Science/Transfer	X	3	
	Physical Education		.5	REC 000	Recreation Elective		.5	
				MAT 121	Calculus I		4	
				ETC 102	Electric Circuits		4	
				MTC 301	Professionalism/Work		2	
				PHY 101	Physics I		4	
				COM 200	Oral Communication		4	
				MAT 122	Calculus II		4	
				MTC 454T	Engineering Heat Transfer Theory		3	
				MTC 454L	Engineering Heat Transfer Lab		1	
				PHY 102	Physics II		4	
				COM 306	Technical Writing		4	
				MAT 230	Differential Equations		4	
				MTC 352	Thermodynamics		2	
				MTC 230T	Dynamics Theory		3	
				MTC 230L GEN ED	Dynamics Lab General Education		4	
							7	
				MTC 421	Capstone Experience 1		2	
				GEN ED	General Education		4	
				MTC 3XX or 4XX MTC 465	Mechanical Electives Advanced Machine Design		4	
				WITC 405	Auvanced Machine Design		7	
				MTC 421	Capstone Experience 2		2	
		Total Credits Eligible for Trans	sfer 65			Total Transfer Credits Applied to Program	65	
			0 0	l	Total Credits Required after Transfer		64	
						Total Credits Required for Degree	129	

A.) Social Science Restricted Elective: AN101, BM101, PY101, SO101

Notes:

SUNY Poly recommends students take MA 151 prior to transfer to keep students on track for graduation in two additional years. Failure to do so will delay graduation by a minimum of one semester.