

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
CF 100	College Foundation Seminar			1	FYS 101	First Year Seminar			1
EN101	English 1: Composition	X		3	ENG 101	Freshman Composition	X		3
MA121	Fundamentals of College Mathematics 1	X		4	MAT 111	College Mathematics	X		4
MT114	Manufacturing Processes			3	MTC 101	Intro to Engineering Technology			3
MT140	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
EN102	English 2: Ideas & Values in Literature	X		3	HUM 001	Gen Ed Humanities/Transfer	X		3
MA122	Fundamentals of College Mathematics 2	X		4	MAT 120	Precalculus	X		4
MT126	Statics: Mechanical			3	MTC 218	Statics (Mechanical Engr. Elective)			3
MT141	Machining Fundamentals			4	MTC 211 T&L	Manufacturing Process Theory & Lab			4
	Physical Education			.5	REC 000	Recreation Elective			.5
CH141	General Chemistry 1	X		4	CHE 130	Introductory Chemistry I	X		4
MT207	Computer-Aided Manufacturing (CAM)			3	MTC 342 T&L	Computer-Aided Manufacturing Theory & Lab			3
MT230	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
MT203	Design of Machine Elements			3	MTC 226	Mechanical Components			3
MT204	Automatic Controls			3	MTC 000	Mechanical Engr. Elective			4
MT209	Materials Science			3	MTC 136	Material Science Applications			3
MT252	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	Dynamics Lab			1
					GEN ED	General Education			4
					MTC 421	Capstone Experience 1			2
					GEN ED	General Education			4
					MTC 3XX or 4XX	Mechanical Electives			4
					MTC 465	Advanced Machine Design			4
					MTC 421	Capstone Experience 2			2
				Total Credits Eligible for Transfer	65				
					Total Transfer Credits Applied to Program				65
					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.