

SUNY Adirondack Engineering Science			SUNY Polytechnic - Mechanical Engineering		
Course #	Course Title	Credits	Course #	Equivalent Course Title	Credits Accepted
Year One- Fall					
HRD100, HRD100A or HRD110	Freshman Experience	1	ELEC000	General Elective	1
ENG101	Writing I	3	ENG 101	Freshmen Composition	3
MAT131	Calculus I	4	MAT 151	Calculus I	4
EGR120	Introduction to Engineering	3	ESC 110	Introduction to Engineering	3
	SUNY GEN ED Social Science	3	SOS 001	Gen Ed Social Science	3
CHM111	General Chemistry I	4	CHE 130T/L	Introductory Chemistry I	4
Health and Wellness	Health and Wellness	1	REC 000	Recreation Elective	1
Year One-Spring					
ENG110	Elements of Technical Writing	3	ASCI 000	Arts and Sciences Elective	3
MAT132	Calculus II	4	MAT 152	Calculus II	4
EGR105	Engineering Physics I	4	PHY 201	Calculus Based Physics I	4
CIS143	Introduction to Programming	3	ESC 120	Design Tools and Processes	3
Engineering Core elective (See Note 1)	CHM 112- General Chemistr I	4	CHE 131T/L	Introductory Chemistry II	4
Year Two- Fall					
EGR222	Circuit Analysis	4	ECE 260	Electrical Circuits	3
MAT231	Calculus III	4	MAT 253	Calculus III	4
EGR106	Engineering Physics II	4	PHY 202	Calculus Based Physics II	4
	SUNY GEN ED The Arts, SUNY GEN ED Humanities or SUNY GEN ED Foreign Languages	3		SUNY GEN ED The Arts, SUNY GEN ED Humanities or SUNY GEN ED Foreign Languages	
EGR 207	Mechanics I - Statics	3	ESC 210	Engineering Mechanics: Statics	3
Year Two-Spring					
Health and Wellness	Health and Wellness	1	REC 000	Recreation Elective	1
MAT232	Differential Equations and Series	4	MAT 260	Ordinary Differential Equations & Series Solutions	4
EGR204	Engineering Physics III	4	PHY 000	Physics Elective	4
EGR 209	Mechanics II -Mechanics of Materials	3	ESC 230	Mechanics of Materials	3
Year Three-Fall					
			ESC 220	Materials Science	3
			ME 220	Kinematics and Mechanisms	3
			ME 310	Design & Manufacturability	3
			MAT 280	Linear Algebra	4
			ME 330	Thermodynamics 1	3
Year Three-Spring					
EGR208	Dynamics	3	ESC 240	Dynamics	3
			ME 340	Thermodynamics 2	3
			ME 390	Machine Design	3
			ESC 370	Design of Experiments	3
			ME 320	Fluid Mechanics	3
			MAT 450	Partial Differential Equations	4
Year Four- Fall					
			ME 4XX	ME Elective	3
			ME 4XX	ME Elective	3
			ME 480	Capstone 1	3
			ME 410	Heat Transfer	3
			COM 306	Upper Division Writing	4
Year Four-Spring					
			ME 4XX	ME Elective	3
			ME 4XX	ME Elective	3
			ME 482	Capstone 2	3
			ME 446	Dynamic Systems	3
			Gen Ed		4
		70		Total Transfer Applied	62
				Total Remaining at SUNY POLY	67
SUNY Poly Recommends that students take the following engineering				Total for Bachelors	129