Hudson Valley Community College		
Engineering Science		
Course #	**Course Title**	**Credits**
FORM 102	College Forum	1
ENGL 101	English Composition I	3
MAT 180	Calculus I	4
ENGR 110	Engineering Tools	3
CHEM 110 or CHEM 120	General Chemistry I	4
	General Education Elective	3
ENGR 120	Introduction to Engineering Design	3
MATH 190	Calculus II	4
PHYS 150	Physics I	4
ENGL 102	English Composition II	3
	General Education Elective	3
ENGR 211	Engineering Statics	4
MATH 210	Calculus III	4
PHYS 151	Physics II	4
ENGR 225	Electric Circuits	4
ENGR 215	Engineering Materials	4
MATH 220	Calculus IV: Differential Equations	4
PHYS 250	Physics III	4
ENGR 220	Engineering Dynamics	4
ENGR 218	Strength of Materials	4
		69

SUNY Polytechnic		
Mechanical Engineering		
Course #	**Equivalent Course Title**	**Credits Accepted**
ELEC000	General Elective	1
ENG 101	Freshmen Composition	3
MAT 151	Calculus I	4
ESC 120	Design Tools and Processes	3
CHE 130	General Chemistry	4
	General Education Elective	3
ESC 110	Introduction to Engineering	3
MAT 152	Calculus II	4
PHY 201	Calculus Based Physics I	4
BCM 001	Basic Communications Credit	3
	General Education Elective	3
ESC 210	Engineering Mechanics: Statics	3
MAT 253	Calculus III	4
PHY 202	Calculus Based Physics II	4
ECE 260	Electrical Circuits	4
ESC 220	Material Science	4
MAT 260	Ordinary Differential Equations & Series Solutions	4
PHY 203	Calculus Based Physics III	4
ESC 240	Dynamics	3
ESC 230	Mechanics of Materials	3
MAT 280	Linear Algebra	4
ME 220	Kinematics and Mechanisms	3
ME 310	Design and Manufacturability	3
ME 330	Thermodynamics 1	3
	General Education Elective	4
MAT 450	Partial Differential Equations	4
ME 390	Machine Design	3
ME 320	Fluid Mechanics	3
ESC 370	Design of Experiments	3
ME 340	Thermodynamics 2	3
ME 4XX	ME Technical Electve	3
ME 4XX	ME Technical Electve	3
ME 480	Capstone Design 1	3
ME 410	Heat Transfer	3
COM 306	Upper Division Writing	4
ME 446	Dynamic Systems	3
ME 482	Capstone Design 2	3
ME 4XX	ME Technical Electve	3
ME 4XX	ME Technical Electve	3
	General Education Elective	4
	Total Transfer Applied	68
	Total Remaining at SUNY POLY	61
	Total for Bachelors	129