

SUNY Adirondack Engineering Science			SUNY Polytechnic Civil 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	CS 108	Computing Fundamentals	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	3
	Engineering Core elective (See Note 1)	3 or 4		Engineering Elective	3 or 4
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 202	Physics II	4
	Engineering Core elective (See Note 1)	3 or 4		Engineering Elective	3 or 4
Year Three-Fall					
			ESC 120	Design Tools and Processes	3
				General Ed.	4
				General Ed.	4
			CE 230	Civil Engineering Materials	3
			CE 220	Professionalism	2
Year Three-Spring					
			CE 330	Fluid Mechanics	3
			CE 301	Structural Engineering	4
			CE 302	Transportation Engineering	3
			CE 303	Environmental Engineering	4
			CE 304	Geotechnical Engineering	3
Year Four- Fall					
			ESC 260 or ME 330	Pick One	3
				CE Emphasis 1	3
			CE335	Water Resource Engineering	3
			CE 480	Capstone Design 1	3
				CE Emphasis 2	3
Year Four-Spring					
			CE 481	Capstone Design 2	3
				CE Upper Elective	3
				Open Elective	3
				Open Elective	3
			COM 306	Upper division writing	4
		67		Total Transfer Applied	67
				Total Remaining at SUNY POLY	64
				Total for Bachelors	128

SUNY Poly Recommends that students take the following engineering