

Adirondack Community College			SUNY Polytechnic		
Course #	Course Title	Credits	Course #	Equivalent Course Title	Credits Accepted
Year One- Fall			Year One- Fall		
ENG 101	Writing 1	3	ENG 101	Freshman Composition	3
MATH 131	Calculus 1	4	MAT 151	Calculus I	4
CHEM 111	General Chemsitry I	3	CHE 130	General Chemistry	3
CHEM 111	General Chemistry Lab	1	CHE 130L	General Chemistry Lab	1
EGR 105	Engineering Physics I	5	PHY 201	Calc-Based Physics I	5
Health and Wellness	Health and Wellness	2	REC 000	FIT or REC	2
Year One-Spring			Year One-Spring		
Social Science	General Education - Social Science	3		General Education Elective #1	3
MAT 132	Calculus 2	4	MAT 152	Calculus II	4
EGR 106	Engineering Physics II	5	PHY 202	Calc-Based Physics II	5
ERG 120	Introduction to Engineering	3	ECE 101	Introduction to Electrical and Computer Engineering	3
Year Two- Fall			Year Two- Fall		
MAT 231	Calculus 3	4	MAT 253	Calculus III (Required for EE concentration or Prof Elective for CE concentration)	4
	General Education #2	3		General Education #2	3
CIS 143	Introduction to Programming	3	CS 108	Introduction to Programming	3
EGR 223	Microprocessor Architecture	4	ECE 252	Microprocessors	4
Year Two- Spring			Year Two- Spring		
MAT 232	Differential Equations and Series	4	MAT 260	Ordinary Differential Equations and Series Solns	4
CIS 243	Data Structures	4	CS 240	Data Structures	4
EGR 204	Engineering Physics III	4	PHY 203	Calc-based Physics III (Professional Elective)	4
EGR 222	Circuit Analysis	4	ECE 260	Electrical Circuits	4
EGR 183	Digital Logic Design	3	ECE 251	Digital Logic Design	3
Year Three-Fall			Year Three-Fall		
			Electrical Engineering Concentration		
			ECE 301	Signals and Systems	4
			ECE 315	Electronics I	4
			ECE 332	Semiconductors Devices	3
			ECE 281	ECE Seminar I	1
			ECE 382	ECE Seminar II	1
Year Three-Spring			Year Three-Spring		
			MAT 370	Applied Probability	4
			ECE 387	Junior Design Lab	3
			ECE 361	Controls Systems	4
			ECE 377	Communications	3
Year Four- Fall			Year Four- Fall		
				General Education #3	4
			ECE 3xx	ECE Technical Elective	3
			ECE 487	Senior Design Lab I	4
			COM 306	Upper Dvision Writing	4
Year Four-Spring			Year Four-Spring		
			ECE 488	Senior Design Lab II	4
			ECE 323	Electromagnetics	3
			ECE 3xx	ECE Technical Elective	3
				General Education #4	4
				Professional Elective	3
		66		Total Transfer Applied	66
				Total Remaining at SUNY POLY	59
				Total for Bachelors	125