

Hudson Valley Community College Electrical Engineering Technology, A.A.S.			SUNY Polytechnic Electrical Engineering Technology		
Course #	Course Title	Credits	Course #	Equivalent Course Title	Credits Accepted
FORM 101	College Forum	1	ELEC000	General Elective	1
ENGL 101	English Composition I	3	ENG 101	Freshmen Composition	3
MATH 150	College Algebra with Trigonometry	4	MAT 110	College Algebra	4
ELET 100	Electricity I	4	ETC 101	fundamentals of electrical and computer engineering technology	4
ELET 120	Personal Computer Hardware Essentials	3	ETC 000	Technical Elective	3
ELET 101	Electricity II	4	ETC 102	Electric circuits	4
ELET 105	Electronics I	4	ETC 103	Electronics I	4
ENGL 104	English Composition II: Writing About Literature	3	HUM 001	Gen Ed Humanities/Transfer	3
MATH 165	Basic Calculus with Analytic Geometry	4	MAT 120	Pre-Calculus	4
ELET 210	Digital Electronics	4	ETC 210	Digital Systems	4
ELET 215	Operational Amplifiers	4	ETC 203	Electronics II	4
ELET 245	Introduction to Microcontrollers	4	ETC 000	Technical Elective	4
PHYS 135	Technical Physics I	4	PHY 101	General Physics I	4
ELET 206	Elements of Communications Electronics	4	ETC 216	Electronic Communications I	4
ELET 225	Electromechanical Devices and Systems	4	ETC 000	Technical Elective	4
ELET 230	Electronic Design	1	ETC 000	Technical Elective	1
PHYS 135	Technical Physics II	4	PHY 102	General Physics II	4
	Technical Electives	4	ETC 000	Technical Elective	4
					63
				Liberal Arts - 28 credits	
			MAT 121	Calculus I for Engineering Technology*	4
			MAT 122	Calculus II for Engineering Technology*	4
			MAT 230	Differential Equations*	4
			Math/Science Elective	Math/Science Elective (balance of credits)*	4
				* Program requires a total 24 Math/Science credits	
			COM 200	Oral Communication	4
			COM 306	Upper-Division Writing	4
			CS 108	Computer Fundamentals	4
					28
				Technical Core Coursework EET Program	
			ETC 299	QC & Workplace Issues	2
			ETC 316 or ETC 331	Electronic Communications or Control Systems	4
			ETC 290	Introduction to Nanotechnology	4
			ETC 397	Fundamentals of Photovoltaic Energy	4
			ETC 4XX	Senior Level ETC Elective x 2	8
			ETC 265 or ETC 342	Sensor Technology or Microprocessors	4
			ETC XXX	ETC Technical Elective x 2	8
			ETC 423, 435, 445 or 484	Capstone Course	4
					38
		63		Total Transfer Applied	63
				Total Remaining at SUNY POLY	66
				Total for Bachelors	129