The Engineering and Public Policy additional major degree is intended to complement the technical nature of the traditional engineering degree with a set of courses focused on the connection between technical issues and society/policy. The EPP additional major curriculum is designed to be completed in the usual 8-semester time frame of an undergraduate degree, with minimal overload of courses or units. The columns on the left show the course requirements for the traditional major, while the columns on the right show the corresponding course requirements for the traditional major with the EPP additional major.

Electrical and Computer Engineering			**Electrical and Computer Engineering and Engineering and Public Policy**		
Engineering Courses		**Units**	**Engineering Courses**		**Units**
18-100	Introduction to Electrical and Computer Engineering	12	18-100	same	12
xx-xxx	Other Introductory Engineering Elective	12	*19-101*	*Introduction to Engineering and Public Policy*	*12*
18-200	Emerging Trends in ECE	1	18-200	same	1
18-202	Mathematical Foundations of Electrical Engineering	12	18-202	same	12
18-213	Introduction to Computer Systems	12	18-213	same	12
18-220	Electronic Devices and Analog Circuits	12	18-220	same	12
18-240	Structure and Design of Digital Systems	12	18-240	same	12
18-290	Signals and Systems	12	18-290	same	12
18-xxx	ECE Area 1 Course [1]	12	18-xxx	same	12
18-xxx	ECE Area 1 Course [2]	12	18-xxx	same	12
18-xxx	ECE Area 2 Course	12	18-xxx	same	12
18-xxx	ECE Coverage Course	12	18-xxx	same	12
18-5xx	ECE Capstone Course	12	18-5xx	same	12

Students must complete all required courses for the Electrical and Computer Engineering Bachelor degree.

Math and Science Courses		**Units**	**Math and Science Courses**		**Units**
21-120	Differential and Integral Calculus	10	21-120	same	10
21-122	Integration, Differential Equations and Approximatic	10	21-122	same	10
21-127	Concepts of Mathematics	10	21-127	same	10
33-141	Physics I for Engineering Students	12	33-141	same	12
33-142	Physics II for Engineering and Physics Students	12	33-142	same	12
15-112	Fundamentals of Programming	12	15-112	same	12
15-122	Principles of Imperative Computation	10	15-122	same	10
36-217	Probability Theory and Random Processes	9	36-217	same	9

xx-xxx	Math / Science Elective 1	9	*19-250*	*Stat Models for Engineering Analysis & Design or*	*9*
			36-220	*Engineering Statistics and Quality Control or*	*9*
			36-226	*Introduction to Statistical Inference*	*9*
xx-xxx	Math / Science Elective 2	9	xx-xxx	Math / Science Elective 2	9

CIT General Education Courses		**Units**	**CIT/EPP Non-technical courses**		**Units**
99-101	Computing @ Carnegie Mellon	3	99-101	same	3
39-210	Experiential Learning I	0	39-210	same	0
39-220	Experiential Learning II	0	39-220	same	0
39-310	Experiential Learning III	0	39-310	same	0
76-10x	First-Year Writing Requirement	9	76-10x	same	9
	Social Analysis and Decision Making (SDM)	9		*EPP-approved Decision Science course*	*9*
	Writing and Expression (W&E)	9		*EPP-approved Writing and Communications course*	*9*
	Innovation & Internationalization (I&I)	9		same	9
	Peoples, Places, and Cultures (PPC)	9		same	9
	General Education Elective [1]	9		same	9
	General Education Elective [2]	9	*73-102*	*Principles of Microeconomics*	*9*
	General Education Elective [3]	9	*19-351*	*Applied Methods for Technology-Policy Analysis*	*9*

Free Electives	**Units**	**Free Electives**		**Units**
	56	*19-201*	*EPP Sophomore Seminar*	*1*
			EPP Technology-Policy Elective [1]	*var*
			EPP Technology-Policy Elective [2]	*var*
			EPP Technology-Policy Elective [3]	*var*
		19-451/2	*EPP Project [1]*	*12*
		19-451/2	*EPP Project [2]*	*12*
			free elective units to meet 56 unit minimum	*var*
Total Units (minimum)	379	Total Units (minimum)		379

EPP Technology-Policy Electives are courses that address the connections between technology and society. Students select courses from a list of approved courses, which is updated each semester. Students can also petition for courses to be approved for EPP Electives.
Research credits, in EPP or another department, can be substituted for EPP Technology-Policy Elective credits with prior approval. EPP Technology-Policy Electives may fulfill General Education requirements.