

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.

Civil Engineering**Civil Engineering and Engineering and Public Policy**

Engineering Courses		Units	Engineering Courses		Units
12-100	Exploring CEE: Infra. & Env't in a Changing World	12	12-10 0	same	12
xx-xxx	Other Introductory Engineering Elective	12	19-101	<i>Introduction to Engineering and Public Policy</i>	12
xx-xxx	restricted CEE science elective	9	xx-xxx	same	9
12-200	CEE Challenges: Design in a Changing World	9	12-200	same	9
12-212	Statics	9	12-212	same	9
12-231	Solid Mechanics	9	12-231	same	9
12-232	Solid Mechanics Lab	3	12-232	same	3
12-271	Intro Computer Apps in Civil & Environmental Engr	9	12-271	same	9
12-301	CEE Projects	9	12-301	same	9
12-335	Soil Mechanics	9	12-335	same	9
12-336	Soil Mechanics Lab	3	12-336	same	3
12-355	Fluid Mechanics	9	12-355	same	9
12-356	Fluid Mechanics Lab	3	12-356	same	3
12-351	Environmental Engineering	9	12-351	same	9
12-352	Environmental Engineering Lab	3	12-352	same	3
27-357	Introduction to Materials Selection	6	27-357	same	6
12-358	Materials Lab	3	12-358	same	3
12-401	Civil and Environmental Engineering Design	12	12-401	same	12
12-411	Project Management	9	12-411	same	9
12-421	Engineering Economics	6	12-421	same	6
12-6xx	Restricted CEE Elective	9	12-6xx	same	9

Students must complete all required courses for the Civil 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 Approximation	10	21-122	same	10
21-259	Calculus in Three Dimension	9	21-259	same	9

21-260	Differential Equations	9	21-260	same	9
33-141	Physics I for Engineering Students	12	33-141	same	12
33-142	Physics II for Engineering Students	12	33-142	same	12
15-110	Principles of Computing	10	15-110	same	10
09-101	Intro to Experimental Chemistry	3	09-101	same	3
09-105	Modern Chemistry I	10	09-105	same	10
36-220	<i>Engineering Statistics and Quality Control</i>	9	19-250	<i>Stat Models for Engineering Analysis & Design or</i>	9
			36-220	<i>Engineering Statistics and Quality Control</i>	

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		<i>EPP-approved Decision Science course</i>	9
	Writing and Expression (W&E)	9		<i>EPP-approved Writing and Communications course</i>	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	<i>Principles of Microeconomics</i>	9
	General Education Elective [3]	9	19-351	<i>Applied Methods for Technology-Policy Analysis</i>	9

Free Electives		Units	Free Electives		Units
		54	19-201	<i>EPP Sophomore Seminar</i>	1
				<i>EPP Technology-Policy Elective [1]</i>	var
				<i>EPP Technology-Policy Elective [2]</i>	var
				<i>EPP Technology-Policy Elective [3]</i>	var
			19-451/2	<i>EPP Project [1]</i>	12
			19-451/2	<i>EPP Project [2]</i>	12
				free elective units to meet 54 unit minimum	var
Total Units (minimum)		385	Total Units (minimum)		385

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.