

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. 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.

Environmental Engineering**Environmental Engineering and Engineering and Public Policy**

Engineering Courses			Engineering Courses		
		Units			Units
12-100	Exploring CEE: Infra. & Env't in a Changing World	12	12-100	same	12
xx-xxx	Other Introductory Engineering Elective	12	19-101	<i>Introduction to Engineering and Public Policy</i>	12
12-201	Geology	9	12-201	same	9
12-200	CEE Challenges: Design in a Changing World	9	12-200	same	9
12-221	Environmental Chemistry and Thermodynamics	9	12-221	same	9
12-222	Environmental Chemistry Lab	3	12-222	same	3
12-271	Computation and Data Science for CEE	9	12-271	same	9
12-301	CEE Projects	9	12-301	same	9
12-351	Environmental Engineering	9	12-351	same	9
12-352	Environmental Engineering Lab	3	12-352	same	3
12-353	Environmental Biology and Ecology	9	12-353	same	9
12-355	Fluid Mechanics	9	12-355	same	9
12-356	Fluid Mechanics Lab	2	12-356	same	2
12-371	Adv. Computing and Problem Solving in CEE	9	12-371	same	9
12-401	CEE Design	12	12-401	same	12
12-411	Project Management	9	12-411	same	9
12-451	Advanced Environmental Engineering	9	12-451	same	9
12-471	Applied Data Analytics for Civ/Env Systems	9	12-471	same	9
xx-xxx	Restricted Environmental Engineering Elective	9	xx-xxx	same	9

Math and Science Courses			Math and Science Courses		
		Units			Units
21-120	Differential and Integral Calculus	10	21-120	same	10
21-122	Integration and Approximation	10	21-122	same	10
21-254	Linear Algebra & Vector Calculus	11	21-254	same	11
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
09-1xx	Modern Chemistry I / Nanolegos: Chem Building Block	9	09-1xx	same	9
03-121	Modern Biology	9	03-121	same	9
36-220	Engineering Statistics and Quality Control	9	36-220	<i>Engineering Statistics and Quality Control</i>	9

CIT General Education Courses		Units	CIT/EPP Non-technical courses		Units
99-101	Core @ 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		<i>EPP-approved Economics course</i>	9
	General Education Elective [3]	9	19-351	<i>Applied Methods for Technology-Policy Analysis</i>	9

Free Electives		Units	Free Electives		Units
		44	19-201	<i>Professional Issues in Engineering, Science, Technology and Public Policy</i>	1
				<i>EPP Technology-Policy Elective [1]</i>	<i>var</i>
				<i>EPP Technology-Policy Elective [2]</i>	<i>var</i>
				<i>EPP Technology-Policy Elective [3]</i>	<i>var</i>
			19-451	<i>EPP Projects I</i>	12
			19-452	<i>EPP Projects II</i>	12
				free elective units to meet 45 unit minimum	<i>var</i>

Total Units (minimum)

384

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384

EPP Technology-Policy Electives are courses that address the connections between technology and society. Students work with their advisors to select approved courses appropriate to their interests. Research credits, in EPP or another department, can be used for EPP Technology-Policy Elective credits with prior approval. EPP Technology-Policy Electives may fulfill General Education requirements.