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.

Chemical Engineering

Chemical Engineering and Engineering and Public Policy

Engineering Courses		**Units**	**Engineering Courses**		**Units**
06-100	Introduction to Chemical Engineering	12	06-100	same	12
xx-xxx	Other Introductory Engineering Elective	12	*19-101*	*Introduction to Engineering and Public Policy*	12
06-222	Sophomore Chemical Engineering Seminar	1	06-222	same	1
06-223	Chemical Engineering Thermodynamics	12	06-223	same	12
06-261	Fluid Mechanics	9	06-261	same	9
06-262	Mathematical Methods of Chemical Engineering	12	06-262	same	12
09-221	Laboratory I: Introduction to Chemical Analysis	12	09-221	same	12
06-322	Junior Chemical Engineering Seminar	2	06-322	same	2
06-310	Molecular Foundations of Chemical Engineering	9	06-310	same	9
06-323	Heat and Mass Transfer	9	06-323	same	9
06-325	Numerical Methods and Machine Learning for ChemE	6	06-325	same	6
06-326	Optimization Modeling and Algorithms	6	06-326	same	6
06-361	Unit Operations of Chemical Engineering	9	06-361	same	9
06-363	Transport Process Laboratory	9	06-363	same	9
06-364	Chemical Reaction Engineering	9	06-364	same	9
09-21x	Organic Chemistry I OR Modern Organic Chemistry	9	09-21x	same	9
06-421	Chemical Process Systems Design	12	06-421	same	12
06-423	Unit Operations Laboratory	9	06-423	same	9
06-463	Chemical Product Design	9	06-463	same	9
06-464	Chemical Engineering Process Control	9	06-464	same	9

Students must complete all required courses for the Chemical Engineering Bachelor degree, with the exception of the Advanced Chemistry Elective. Students will take 36-220 Engineering Statistics and Quality Control instead.

Math and Science Courses		**Units**	**Math and Science Courses**		**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

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
15-11x	Principles of Computing/Fund. of Programming	10	15-11x	same	10
09-105	Introduction to Modern Chemistry I	10	09-105	same	10
09-106	Modern Chemistry II	10	09-106	same	10
xx-xxx	Advanced Chemistry Elective	9	*36-220*	*Engineering Statistics and Quality Control*	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		*EPP-approved Decision Science course*	*9*
	Writing and Expression (W&E)	9		*EPP-approved Writing & 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		*EPP-approved Economics course*	*9*
	General Education Elective [3]	9	*19-351*	*Applied Methods for Technology-Policy Analysis*	*9*

Free Electives	**Units**	**Free Electives**		**Units**
	45	*19-201*	*Professional Issues in Engineering, Science, Technology and Public Policy*	*1*
			EPP Technology-Policy Elective [1]	*var*
			EPP Technology-Policy Elective [2]	*var*
			EPP Technology-Policy Elective [3]	*var*
		19-451	*EPP Projects I*	*12*
		19-452	*EPP Projects II*	*12*
			free elective units to meet 45 unit minimum	*var*
Total Units (minimum)	391		Total Units (minimum)	391

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.

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.

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	12-100	same	12
xx-xxx	Other Introductory Engineering Elective	12	19-101	*Introduction to Engineering and Public Policy*	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
12-233	CEE Infrastructure Systems in Action	2	12-233	same	2
12-231	Solid Mechanics	9	12-231	same	9
12-234	Sensing and Data Acquisition for Engineering Systems	4	12-234	same	4
12-271	Computation and Data Science for CEE	9	12-271	same	9
12-301	CEE Projects	9	12-301	same	9
12-335	Soil Mechanics	9	12-335	same	9
12-355	Fluid Mechanics	9	12-355	same	9
12-356	Fluid Mechanics Lab	2	12-356	same	2
12-333	Experimental and Sensing Design and Computation	4	12-333	same	4
12-351	Environmental Engineering	9	12-351	same	9
12-371	Adv. Computing and Problem Solving in CEE	9	12-371	same	9
27-357	Introduction to Materials Selection	6	27-357	same	6
12-401	CEE Design	12	12-401	same	12
12-411	Project Management	9	12-411	same	9
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 and Approximation	10	21-122	same	10
21-25x	Linear Algebra & Vector Calculus or Calc-3D	9	21-25x	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
09-1xx	Modern Chemistry I / Nanolegos: Chem Building Blocks	9	09-1xx	same	9
36-220	Engineering Statistics and Quality Control	9	*36-220*	*Engineering Statistics and Quality Control*	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		*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		*EPP-approved Economics course*	*9*
	General Education Elective [3]	9	*19-351*	*Applied Methods for Technology-Policy Analysis*	*9*

Free Electives	**Units**	**Free Electives**		**Units**
	54	*19-201*	*Professional Issues in Engineering, Science, Technology and Public Policy*	*1*
			EPP Technology-Policy Elective [1]	*var*
			EPP Technology-Policy Elective [2]	*var*
			EPP Technology-Policy Elective [3]	*var*
		19-451	*EPP Projects I*	*12*
		19-452	*EPP Projects II*	*12*
			free elective units to meet 54 unit minimum	*var*
Total Units (minimum)	384		Total Units (minimum)	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.

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		**Units**	**Engineering Courses**		**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*	*Introduction to Engineering and Public Policy*	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

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 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 Blocks	9	09-1xx	same	9
03-121	Modern Biology	9	03-121	same	9
36-220	Engineering Statistics and Quality Control	9	*36-220*	*Engineering Statistics and Quality Control*	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		*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		*EPP-approved Economics course*	9
	General Education Elective [3]	9	*19-351*	*Applied Methods for Technology-Policy Analysis*	9

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

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.

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	ECE Sophomore Seminar	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 and Approximation	10	21-122	same	10
21-127	Concepts of Mathematics	12	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
36-2xx	Restricted ECE Probability Course	9	36-2xx	same	9
xx-xxx	Math / Science Elective 1	9	36-220	*Engineering Statistics and Quality Control or*	9

			36-226	*Introduction to Statistical Inference*	
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	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		*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		*EPP-approved Economics course*	*9*
	General Education Elective [3]	9	*19-351*	*Applied Methods for Technology-Policy Analysis*	*9*

Free Electives	**Units**	**Free Electives**		**Units**
	54	*19-201*	*Professional Issues in Engineering, Science, Technology and Public Policy*	*1*
			EPP Technology-Policy Elective [1]	*var*
			EPP Technology-Policy Elective [2]	*var*
			EPP Technology-Policy Elective [3]	*var*
		19-451	*EPP Projects I*	*12*
		19-452	*EPP Projects II*	*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 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.

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.

Materials Science and Engineering			**Materials Science and Engineering and Engineering and Public Policy**		
Engineering Courses		**Units**	**Engineering Courses**		**Units**
27-100	Engineering the Materials of the Future	12	27-100	same	12
xx-xxx	Other Introductory Engineering Elective	12	*19-101*	*Introduction to Engineering and Public Policy*	12
27-201	The Structure of Materials	9	27-201	same	9
27-202	Defects in Materials	9	27-202	same	9
27-210	Materials Engineering Essentials	6	27-210	same	6
27-215	Thermodynamics of Materials	12	27-215	same	12
27-216	Transport in Materials	9	27-216	same	9
27-217	Phase Relations and Diagrams	12	27-217	same	12
27-301	Microstructure and Properties I	9	27-301	same	9
27-305	Introduction to Material Characterization	6	27-305	same	6
27-367	Selection and Performance	6	27-367	same	6
27-401	MSE Capstone Course I	6	27-401	same	6
27-402	MSE Capstone Course II	6	27-402	same	6
27-xxx	MSE Restricted Elective [1]	9	27-xxx	same	9
27-xxx	MSE Restricted Elective [2]	9	27-xxx	same	9
27-xxx	MSE Restricted Elective [3]	9	27-xxx	same	9
27-xxx	MSE Restricted Elective [4]	9	27-xxx	same	9
xx-xxx	MSE Approved Technical Elective	9	xx-xxx	same	9

Students must complete all required courses for the Materials Science and 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 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 and Physics Students	12	33-142	same	12
09-105	Intro to Modern Chemistry 1	10	09-105	same	10
15-11x	Principles of Computing/Fund of Programming	10	15-11x	same	10
xx-xxx	Restricted MSE Science Course	9	xx-xxx	same	9
36-220	Engineering Statistics and Quality Control	9	36-220	*Engineering Statistics and Quality Control*	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		*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		*EPP-approved Economics course*	9
	General Education Elective [3]	9	*19-351*	*Applied Methods for Technology-Policy Analysis*	9

Free Electives	**Units**	**Free Electives**		**Units**
	45	*19-201*	*Professional Issues in Engineering, Science, Technology and Public Policy*	*1*
			EPP Technology-Policy Elective [1]	*var*
			EPP Technology-Policy Elective [2]	*var*
			EPP Technology-Policy Elective [3]	*var*
		19-451	*EPP Projects I*	*12*
		19-452	*EPP Projects II*	*12*
			free elective units to meet 45 unit minimum	*var*
Total Units (minimum)	381	Total Units (minimum)		381

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.

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.

Mechanical Engineering			**Mechanical Engineering and Engineering and Public Policy**		
Engineering Courses		**Units**	**Engineering Courses**		**Units**
24-101	Fundamentals of Mechanical Engineering	12	24-101	same	12
xx-xxx	Other Introductory Engineering Elective	12	*19-101*	*Introduction to Engineering and Public Policy*	12
24-200	Machine Shop	1	24-200	same	1
24-251	Electronics for Sensing and Actuation	3	24-251	same	3
24-302	Mechanical Engineering Seminar	2	24-302	same	2
24-221	Thermodynamics I	10	24-221	same	10
24-261	Mechanics I: 2D Design	10	24-261	same	10
24-231	Fluid Mechanics	10	24-231	same	10
24-262	Mechanics 2: 3D Design	10	24-262	same	10
24-311	Numerical Methods	10	24-311	same	10
24-322	Heat Transfer	10	24-322	same	10
24-351	Dynamics	10	24-351	same	10
24-370	Mechanical Design: Methods and Applications	12	24-370	same	12
24-321	Thermal-Fluids Experimentation and Design	12	24-321	same	12
24-352	Dynamic Systems and Control	12	24-352	same	12
24-441	Product Design	12	24-441	same	12
24-452	Mechanical Systems Experimentation	9	24-452	same	9
24-xxx	Mechanical Engineering Technical Elective	9	24-xxx	same	9

Students must complete all required courses for the Mechanical 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 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 and Physics Students	12	33-142	same	12
15-11x	Principles of Computing/Fund of Programming	10	15-11x	same	10
09-1xx	Modern Chemistry I / Nanolegos: Chem Building Blocks	9	09-1xx	same	9
xx-xxx	Science lab requirement (minimum 3 units)	3	xx-xxx	same	3
36-220	Engineering Statistics and Quality Control	9	*36-220*	*Engineering Statistics and Quality Control*	*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		*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		*EPP-approved Economics course*	9
	General Education Elective [3]	9	*19-351*	*Applied Methods for Technology-Policy Analysis*	9

Free Electives		**Units**	**Free Electives**		**Units**
	Student complete additional units as required to meet the program 382 minimum, approx 45 units	var	*19-201*	*Professional Issues in Engineering, Science, Technology and Public Policy*	*1*
				EPP Technology-Policy Elective [1]	*var*
				EPP Technology-Policy Elective [2]	*var*
				EPP Technology-Policy Elective [3]	*var*
			19-451	*EPP Projects I*	*12*
			19-452	*EPP Projects II*	*12*
				free elective units to meet 382 unit minimum	*var*
	Total Units (minimum)	382	Total Units (minimum)		382

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.