Environmental Engineering

Environmental Engineering and Engineering and Public Policy

First Year Fall	Units	First Year Fall	Units
12-100 Exploring CEE	12	Same	12
21-120 Differential and Integral Calculus	10	Same	10
33-141 Physics I for Engineering Students	12	Same	12
99-10x Computing @ Carnegie Mellon	3	Same	3
76-xxx First-Year Writing Requirement	9	Same	9
First Year Spring	Units	First Year Spring	Units
xx-xxx Second Introductory Engineering Course	12	19-101 Intro to Engineering and Public Policy	12
21-122 Integration and Approximation	10	Same	10
33-142 Physics II for Engineering Students	12	Same	12
09-111 Nanolegos or 09-105 Intro. to Mod. Chem. I	10	Same	10
09-101 Introduction to Experimental Chemistry	3	Same	3
Second Year Fall	Units	Second Year Fall	Units
12-200 CEE Challenges: Design in a Changing World	9	Same	9
12-221 Environmental Chemistry and Thermodynamics	9	Same	9
12-222 Environmental Chemistry Lab	3	Same	3
15-110 Principles of Computing	10	Same	10
21-254 Linear Algebra and Vector Calculus for Engineers	11	Same	11
39-210 Experiential Learning I	0	Same	0
xx-xxx General Education Course 1	9	36-220 Engineering Statistics and Quality Control	9
		19-201 EPP Sophomore Seminar	1
Second Year Spring	Units	Second Year Spring	Units
12-271 Computation and Data Science for CEE	9	Same	9
12-351 Environmental Engineering	9	Same	9
12-352 Environmental Engineering Lab	3	Same	3
21-260 Differential Equations	9	Same	9
39-220 Experiential Learning II	0	Same	0
xx-xxx General Education Course 2	9	73-102 Principles of Microeconomics	9
xx-xxx Elective 1	*	xx-xxx EPP Technology Policy Elective 1	*

Third Year Fall	Units	Third Year Fall	Units
12-301 CEE Projects	9	Same	9
12-355 Fluid Mechanics	9	Same	9
12-356 Fluid Mechanics Lab	2	Same	2
03-121 Modern Biology	9	Same	9
36-220 Engineering Statistics and Quality Control	9	xx-xxx EPP Decision Science Elective	9
39-310 Experiential Learning III	0	Same	0
xx-xxx General Education Course 3	9	xx-xxx EPP Writing and Communications Requirement	9
Third Year Spring	Units	Third Year Spring	Units
12-353 Environmental Biology and Ecology	9	Same	9
12-371 Advanced Computing and Problem Solving in CEE	9	Same	9
12-201 Geology	9	Same	9
xx-xxx General Education Course 4	9	19-351 Applied Methods for Technology Policy Analysis	9
xx-xxx Elective 2	*	xx-xxx EPP Technology Policy Elective 2	*
xx-xxx Elective 3	*	xx-xxx General Education Course 5	9
Fourth Year Fall	Units	Fourth Year Fall	Units
12-401 CEE Design: Imagine, Build, Test	12	Same	12
12-411 Project Management for Eng. and Construction	9	Same	9
12-451 Advanced Environmental Engineering	6	Same	6
12-471 Applied Data Analytics for Civil and Environmental Systems	9	Same	9
xx-xxx General Education Course 5	9	19-451 EPP Projects 1	12
Fourth Year Spring	Units	Fourth Year Spring	Units
xx-xxx Upper Level Environmental Engineering Elective	9	Same	9
xx-xxx General Education Course 6	9	Same	9
xx-xxx General Education Course 7	9	Same	9
xx-xxx Elective 4	*	xx-xxx EPP Technology Policy Elective 3	*
xx-xxx Elective 5	*	19-452 EPP Projects 2	12
Minimum Units Required:	384		384

^{*} A minimum of 45 free elective units are required for Environmental Engineering. EPP students take 1 unit of EPP Sophomore Seminar and 24 units of EPP Projects as free elective units. The 24 units of EPP Technology Policy electives may be free electives or may fulfill requirements for general education. This is an example semester-by-semester plan only. Students should discuss course progress with advisors in both EnvE and EPP to ensure all requirements for both departments and for CIT are completed.