Students Entering Fall 2022 and after

Civil Engineering		Civil 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
99-101 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
09-101 Introduction to Experimental Chemistry	3	Same	3
xx-xxx General Education Course 1	9	73-102 Principles of Microeconomics	9

Second Year Fall	Units	**Second Year Fall**	Units
12-200 CEE Challenges: Design in a Changing World	9	Same	9
12-212 Statics	9	Same	9
12-233 CEE Infrastructure Systems in Action	2	Same	2
21-259 Calculus in Three Dimensions or 21-254 Linear Algebra and Vector Calculus for Engineers	9-11	Same	9-11
15-110 Principles of Computing	10	Same	10
xx-xxx General Education Course 2	9	36-220 Engineering Statistics and Quality Control	9
39-210 Experiential Learning I	0	Same	0
		19-201 EPP Sophomore Seminar	1

Second Year Spring	Units	**Second Year Spring**	Units
12-231 Solid Mechanics	9	Same	9
12-234 Sensing and Data Acquisition for Eng. Systems	4	Same	4
12-271 Computation and Data Science for CEE	9	Same	9
21-260 Differential Equations	9	Same	9
36-220 Engineering Statistics and Quality Control	9	Same	9
xx-xxx General Education Course 3	9	xx-xxx EPP Writing and Communications Elective	9
39-220 Experiential Learning II	0	Same	0

Third Year Fall	Units	Third Year Fall	Units
12-301 CEE Projects	9	Same	9
12-335 Soil Mechanics	9	Same	9
12-355 Fluid Mechanics	9	Same	9
12-356 Fluid Mechanics Lab	2	Same	2
09-111 Nanolegos or 09-105 Intro. to Mod. Chem. I	9	Same	9
39-310 Experiential Learning III	0	Same	0
xx-xxx Elective 1	9	xx-xxx EPP Decision Science Elective	9

Third Year Spring	Units	Third Year Spring	Units
12-351 Environmental Engineering	9	Same	9
27-357 Introduction to Materials Selection	6	Same	6
12-371 Advanced Computing & Problem Solving in CEE	9	Same	9
12-333 Experimental & Sensing Systems Design and Computation for Infrastructure Systems	4	Same	4
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 1	*

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
xx-xxx General Education Course 5	9	xx-xxx Elective 1	9
xx-xxx Elective 3	9	Same	9
xx-xxx Elective 4	*	19-451 EPP Projects 1	12

Fourth Year Spring	Units	Fourth Year Spring	Units
xx-xxx General Education Course 6	9	Same	9
xx-xxx General Education Course 7	9	Same	9
xx-xxx Elective 5	*	xx-xxx EPP Technology Policy Elective 2	*
xx-xxx Elective 6	*	xx-xxx EPP Technology Policy Elective 3	*
xx-xxx Elective 7	*	19-452 EPP Projects 2	12
xx-xxx Elective 8	*	Same	*
Minimum Units Required:	384		384

* A minimum of 54 free elective units are required for Civil 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 Civil and EPP to ensure all requirements for both departments and for CIT are completed.