Sample Schedule for CEE (Environmental) & Engineering Design, Innovation & Entrepreneurship (EDIE)

Environmental Engineering

First Year

Fall		Units
24-100	Exploring CEE: Infrastructure and Environment in a Changing World	12
21-120	Differential and Integral Calculus	10
33-141	Physics I for Engineering Students	12
99-101	Computing @ Carnegie Mellon	3
xx-xxx	General Education Course 1	9
	Total:	**46**

Spring		
21-122	Integration and Approximation	10
xx-xxx	Intro to Engineering (other than CEE)	12
xx-xxx	Physics II for Engineering and Physics Students	12
09-105 or 09-111	Introduction to Modern Chemistry I OR Nanolegos: Chemical Building Blocks	10
09-101	Introduction to Experimental Chemistry	3
	Total:	**47**

Second Year

Fall		Units
12-200	CEE Challenges: Design in a Changing World	9
12-221	Environmental Chemistry and Thermodynamics	9
12-222	Environmental Chemistry Laboratory	3
15-110	Principles of Computing	10
21-254	Linear Algebra and Vector Calculus for Engineers	11
39-210	Experiential Learning 1	0

Environmental Engineering + EDIE

First Year

Fall		Units
Same		12
Same		10
Same		12
Same		3
Same		9
	Total:	**46**

Spring		
Same		10
49-101	**Intro to Engineering Design, Innovation & Entrepreneurship**	**12**
Same		12
Same		10
Same		**3**
	Total:	**47**

Second Year

Fall		Units
same		9
Same		9
Same		3
Same		10
Same		11
Same		0

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xx-xxx	General Education Course 2	9
	Total:	**51**

Spring

12-271	Computation and Data Science for Civil & Environmental Engineering	9
12-351	Environmental Engineering	9
12-352	Environmental Engineering Lab	3
21-260	Differential Equations	9
39-220	Experiential Learning II	0
xx-xxx	General Education Course 3	9
xx-xxx	Elective I	9
	Total:	**48**

Third Year

Fall

		Units
12-301	CEE Projects: Designing the Built, Natural and Information Environments	9
12-355	Fluid Mechanics	9
12-356	Fluid Mechanics Lab	2
03-121	Modern Biology	9
36-220	Engineering Statics and Quality Control	9
39-310	Experiential Learning III	0
xx-xxx	Elective II	9
	Total:	**47**

73-102	**Principles of Microeconomics**	9
	Total:	**51**

Spring

Same		9
Same		9
Same		3
Same		9
Same		0
70-345 or 70-340 or 70-350	**Business Presentations or Business Communications or Acting for Business**	9
49-206	**Tech Business Planning *(Mini 3)***	**4.5**
49-305	**Customer Discovery *(Mini 4)***	**4.5**
	Total:	**48**

Third Year

Fall

		Units
Same		9
Same		9
Same		2
Same		9
Same		9
Same		0
49-205	**Tech Venture Marketing (*Mini 3*)**	**4.5**
49-406	**Tech Venture Formation *(Mini 4)***	**4.5**
	Total:	**47**

Spring		
12-353	Environmental Biology and Ecology	9
12-371	Advanced Computing and Problem Solving in Civil and Environmental Engineering	9
12-201	Geology	9
xx-xxx	General Education Course 4	9
xx-xxx	General Education Course 5	9
xx-xxx	Elective III	9
	Total:	**54**

Spring		
Same		4
Same		9
Same		9
Same		**9**
Same		**9**
49-405	**Leading Engineering Innovation Teams *(Mini 3)***	**4.5**
49-306	**Engineering Design Methods *(Mini 4)***	**4.5**
	Total:	**54**

Fourth Year

Fall		Units
12-401	CEE Design: Imagine, Build, Test	12
12-411	Project Management for Construction	9
xx-xxx	Elective IV	9
xx-xxx	General Education Course 6	9
xx-xxx	General Education Course 7	9

Spring		
xx-xxx	General Education Course 8	9
12-451	Advanced Environmental Engineering	9
12-471	Applied Data Analytics for Civil and Environmental Systems	9
xx-xxx	Elective V	9
xx-xxx	Upper Level Environmental Engineering Elective	9
	Total:	**45**

Fourth Year

Fall		Units
	Discipline-specific engineering design course - OR - Defer to Spring Term	12
Same		9
49-420	**EDIE Innovation Capstone**	**9**
Same		9
Same		9

Spring		
Same		9
Same		9
49-421	**EDIE Entrepreneurship Capstone**	9
Same		9
	Total:	**45**