

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

Civil 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
09-101	Introduction to Experimental Chemistry	3
xx-xxx	General Education Course 2	9
Total:		46
Second Year		
Fall		Units
12-200	CEE Challenges: Design in a Changing World	9
12-212	Statics	9
12-233	CEE Infrastructure Systems in Action	2

Civil 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		3
73-102	Principles of Microeconomics	9
Total:		46
Second Year		
Fall		Units
Same		9
Same		9
Same		2



21-269 OR 21-254	Calculus in Three Dimensions OR Linear Algebra and Vector Calculus for Engineers	9-11
15-110	Principles of Computing	10
39-210	Experiential Learning I	0
xx-xxx	General Education Course 3	9

Total: 48-50

Spring

12-231	Solid Mechanics	9
12-234	Sensing and Data Acquisition for Engineering Systems	4
12-271	Computation and Data Science for CEE	9
21-260	Differential Equations	9
36-222	Experiential Learning II	0
xx-xxx	Elective	9

Total: 49

Third Year

Fall		Units
12-301	CEE Projects: Designing the Built, Natural and Information Environments	9
12-335	Soil Mechanics	9
12-355	Fluid Mechanics	9
12-356	Fluid Mechanics Lab	2
09-111 OR 09-105	Nanolegos: Chemical Building Blocks OR Introduction to Modern Chemistry I	9-10
39-310	Experiential Learning III	0
xx-xxx	Elective II	9

Same		9-11
Same		10
Same		0
70-347 or 70-345 or 70-340 or 70-350	Entrepreneurship Communication or Business Presentations or Business Communications or Acting for Business	9

Total: 48-50

Spring

Same		9
Same		4
Same		9
Same		6
Same		0
49-206	Tech Business Planning (Mini 4)	4.5
49-305	Customer Discovery (Mini 3)	4.5

Total: 49

Third Year

Fall		Units
Same		9
Same		9
Same		9
Same		2
Same		9-10
Same		0
49-306	Engineering Design Methods (Mini 1)	4.5
49-405	Leading Engineering Innovation Teams (Mini 2)	4.5



		Total:	47-48
Spring			
12-333	Experimental Sensing Systems Design and Computation for Infrastructure Systems	4	
12-351	Environmental Engineering	9	
12-371	Advanced Computing and Problem Solving in CEE	9	
27-357	Introduction to Materials Selection	6	
xx-xxx	General Education Course 4	9	
xx-xxx	Elective III	9	
		Total:	46

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	Elective V	9
xx-xxx	General Education Course 5	9
		Total: 48

Spring		
xx-xxx	General Education Course 6	9
xx-xxx	General Education Course 7	9
xx-xxx	General Education Course 8	9
xx-xxx	Elective VI	9
xx-xxx	Elective VII	9
xx-xxx	Elective VIII	9

		Total:	47-48
Spring			
Same		4	
Same		9	
Same		9	
Same		6	
Same		9	
49-205	Tech Venture Marketing (Mini 3)	4.5	
49-406	Tech Venture Formation (Mini 4)	4.5	
		Total:	46

Fourth Year		
Fall		Units
	Discipline-specific engineering design course	12
Same		9
49-420	EDIE Innovation Capstone	9
Same		9
Same		9
		Total: 48

Spring		
Same		12
Same		9-12
Same		9
49-421	EDIE Entrepreneurship Capstone	9
Same		9
Same		9



Total: 54

Total: 54