

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

<i>Same</i>		9-11
<i>Same</i>		10
<i>Same</i>		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

<i>Same</i>		9
<i>Same</i>		4
<i>Same</i>		9
<i>Same</i>		6
<i>Same</i>		0
49-306	Engineering Design Methods (<i>Mini 4</i>)	4.5
49-305	Customer Discovery (<i>Mini 3</i>)	4.5
Total:		49

Third Year

Fall		Units
<i>Same</i>		9
<i>Same</i>		9
<i>Same</i>		9
<i>Same</i>		2
<i>Same</i>		9-10
<i>Same</i>		0
49-206	Tech Business Planning (<i>Mini 1</i>)	4.5
49-405	Leading Engineering Innovation Teams (<i>Mini 2</i>)	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
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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
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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
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Fourth Year		
Fall		Units
Same	Discipline-specific engineering design course	12
Same		9
49-420	EDIE Innovation Capstone	9
Same		9
Same		9

		Total:	48
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Spring			
Same		12	
Same		9-12	
Same		9	
49-421	EDIE Entrepreneurship Capstone	9	
Same		9	
Same		9	



