

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
<i>Same</i>		12
<i>Same</i>		10
<i>Same</i>		12
<i>Same</i>		3
<i>Same</i>		9
Total:		46

Spring		
<i>Same</i>		10
49-101	Intro to Engineering Design, Innovation & Entrepreneurship	12
<i>Same</i>		12
<i>Same</i>		3
73-102	Principles of Microeconomics	9
Total:		46

Second Year

Fall		Units
<i>Same</i>		9
<i>Same</i>		9
<i>Same</i>		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

<i>Same</i>		9-11
<i>Same</i>		10
<i>Same</i>		0
70-345 or 70-340 or 70-350	Business Presentations or Business Communications or Acting for Business	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

Spring

<i>Same</i>		9
<i>Same</i>		4
<i>Same</i>		9
<i>Same</i>		6
<i>Same</i>		0
49-206	Tech Business Planning (Mini 3)	4.5
49-305	Customer Discovery (Mini 4)	4.5
Total:		49

Third Year

		Units
Fall		
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
Total:		47-48

Third Year

		Units
Fall		
<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
49-205	Tech Venture Marketing (Mini 3)	4.5
49-406	Tech Venture Formation (Mini 4)	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

Spring		
<i>Same</i>		
<i>Same</i>		
<i>Same</i>		
<i>Same</i>		
<i>Same</i>		
49-405	Leading Engineering Innovation Teams (Mini 3)	4.5
49-306	Engineering Design Methods (Mini 4)	4.5
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

Fourth Year		
Fall		Units
	Discipline-specific engineering design course	12
<i>Same</i>		9
49-420	EDIE Innovation Capstone	9
<i>Same</i>		9
<i>Same</i>		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

Spring		
<i>Same</i>		
<i>Same</i>		
<i>Same</i>		
49-421	EDIE Entrepreneurship Capstone	9
<i>Same</i>		9
<i>Same</i>		9



Total: 54

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