

## 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
<b>Total:</b>		<b>46</b>

#### 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
<b>Total:</b>		<b>47</b>

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

#### Spring

<i>Same</i>		10
<b>49-101</b>	<b>Intro to Engineering Design, Innovation &amp; Entrepreneurship</b>	<b>12</b>
<i>Same</i>		12
<i>Same</i>		10
<i>Same</i>		<b>3</b>
<b>Total:</b>		<b>47</b>

#### Second Year

Fall		Units
<i>same</i>		9
<i>Same</i>		9
<i>Same</i>		3
<i>Same</i>		10
<i>Same</i>		11
<i>Same</i>		0

xx-xxx	General Education Course 2	9
<b>Total:</b>		<b>51</b>

<b>Spring</b>		
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
<b>Total:</b>		<b>48</b>

<b>Third Year</b>		
<b>Fall</b>		<b>Units</b>
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
<b>Total:</b>		<b>47</b>

<b>73-102</b>	<b>Principles of Microeconomics</b>	9
<b>Total:</b>		<b>51</b>

<b>Spring</b>		
<i>Same</i>		
<i>Same</i>		
<i>Same</i>		
<i>Same</i>		
<i>Same</i>		
<b>70-345 or 70-340 or 70-350</b>	<b>Business Presentations or Business Communications or Acting for Business</b>	9
<b>49-206</b>	<b>Tech Business Planning (Mini 4)</b>	<b>4.5</b>
<b>49-305</b>	<b>Customer Discovery (Mini 3)</b>	<b>4.5</b>
<b>Total:</b>		<b>48</b>

<b>Third Year</b>		
<b>Fall</b>		<b>Units</b>
<i>Same</i>		
<i>Same</i>		
<i>Same</i>		
<i>Same</i>		
<i>Same</i>		
<b>49-205</b>	<b>Tech Venture Marketing (Mini 3)</b>	<b>4.5</b>
<b>49-406</b>	<b>Tech Venture Formation (Mini 4)</b>	<b>4.5</b>
<b>Total:</b>		<b>47</b>



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
<b>Total:</b>		<b>54</b>

Spring		
<i>Same</i>		4
<i>Same</i>		9
<i>Same</i>		9
<i>Same</i>		<b>9</b>
<i>Same</i>		<b>9</b>
<b>49-405</b>	<b>Leading Engineering Innovation Teams (Mini 3)</b>	<b>4.5</b>
<b>49-306</b>	<b>Engineering Design Methods (Mini 4)</b>	<b>4.5</b>
<b>Total:</b>		<b>54</b>

### 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

### Fourth Year

Fall		Units
Discipline-specific engineering design course - OR - Defer to Spring Term		12
<i>Same</i>		9
<b>49-420</b>	<b>EDIE Innovation Capstone</b>	<b>9</b>
<i>Same</i>		9
<i>Same</i>		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
<b>Total:</b>		<b>45</b>

Spring		
<i>Same</i>		9
<i>Same</i>		9
<i>Same</i>		9
<b>49-421</b>	<b>EDIE Entrepreneurship Capstone</b>	<b>9</b>
<i>Same</i>		9
<b>Total:</b>		<b>45</b>



