

## Sample Schedule for ECE & Engineering Design, Innovation & Entrepreneurship (EDIE)

### Electrical and Computer Engineering

#### First Year

Fall	Units
15-112 Fundamentals of Programming and Computer Science	12
21-120 Differential and Integral Calculus	10
18-100 Intro to ECE	12
99-101 Computing @ Carnegie Mellon	3
76-xxx First Year Writing	9
<b>Total:</b>	<b>46</b>

#### Spring

21-122 Integration and Approximation	10
xx-xxx Second Introductory Engineering Course	12
xx-xxx Physics I for Engineering Students	12
xx-xxx General Education Course	9
<b>Total:</b>	<b>43</b>

#### Second Year

Fall	Units
18-200 ECE Sophomore Seminar	1
18-2xx ECE Core Course	12
18-202 Mathematical Foundations of EE	12
33-142 Physics II for Engineering and Physics Students	12
xx-xxx General Education Course	9
xx-xxx General Education Course	9
39-210 Experiential Learning I	0
<b>Total:</b>	<b>55</b>

### Electrical and Computer 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 Intro to Engineering Design, Innovation &amp; Entrepreneurship</b>	<b>12</b>
<i>Same</i>	12
<b>73-102 Principles of Microeconomics</b>	<b>9</b>
<b>Total:</b>	<b>43</b>

#### Second Year

Fall	Units
<i>Same</i>	1
<i>Same</i>	12
<i>Same</i>	12
<i>Same</i>	12
<i>Same</i>	9
<b>70-345 or 70-340 or 70-350 Business Presentations or Business Communications or Acting for Business</b>	<b>9</b>
<i>Same</i>	0
<b>Total:</b>	<b>55</b>

<b>Spring</b>		
18-2xx	ECE Core Course	12
15-122	Principles of Imperative Computation	12
21-127 OR 21-128	Concepts of Mathematics	12
36-219 OR 36-225 OR 21-325	Probability or Statistics Requirement	9
39-220	Experiential Learning II	0
xx-xxx	Free Elective	9
<b>Total:</b>		<b>54</b>

<b>Third Year</b>		
<b>Fall</b>		<b>Units</b>
18-2xx	ECE Core Course	12
18-3xx/4xx	ECE Area Requirement	12
xx-xxx	Math/Science Elective 1	9
xx-xxx	General Education Course	9
33-310	Experiential Learning III	0
xx-xxx	Free Elective	9
<b>Total:</b>		<b>51</b>

<b>Spring</b>		
18-2xxx	ECE Core Course	12
18-3xx/4xx	ECE Area Requirement	12
xx-xxx	Math/Science Elective 2	9
xx-xxx	General Education Course	9
xx-xxx	Free Elective	9
<b>Total:</b>		<b>51</b>

<b>Spring</b>		
Same		12
Same		12
Same		12
Same		9
Same		0
<b>49-206</b>	<b>Tech Business Planning (Mini 3)</b>	<b>4.5</b>
<b>49-305</b>	<b>Customer Discovery (Mini 4)</b>	<b>4.5</b>
<b>Total:</b>		<b>54</b>

<b>Third Year</b>		
<b>Fall</b>		<b>Units</b>
Same		12
Same		12
Same		9
Same		9
Same		0
<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>51</b>

<b>Spring</b>		
Same		12
Same		12
Same		9
Same		9
<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>51</b>



Fourth Year			Fourth Year		
Fall		Units	Fall		Units
18-xxx	ECE Coverage Requirement	12	Same		12
18-3xx/4xx	ECE Area Requirement	12	Same		12
xx-xxx	Free Elective	9	<b>49-420</b>	<b>EDIE Innovation Capstone</b>	<b>9</b>
xx-xxx	Free Elective	9	Same		9
xx-xxx	General Education Course	9	Same		9
		<b>Total:</b>			<b>Total: 51</b>
		<b>51</b>			
<b>Spring</b>			<b>Spring</b>		
18-500 OR 18-525 OR 18-540 OR 18-578	Capstone Design Requirement: ECE Design Experience (offered Fall & Spring) OR Rapid Prototyping of Computer Systems OR Mechatronic Design	12	24-441 OR 24-671 OR 24-631	<b>Discipline-specific engineering design course</b>	12
xx-xxx	Free Elective	9	Same		9
xx-xxx	Free Elective	9	<b>49-421</b>	<b>EDIE Entrepreneurship Capstone</b>	9
xx-xxx	General Education Course	9	Same		9
xx-xxx	General Education Course	9	Same		9
		<b>Total:</b>			<b>Total: 48</b>
		<b>48</b>			

