

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
Total:	46

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
Total:	43

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
Total:	55

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
Total:	46

Spring

<i>Same</i>	10
49-101 Intro to Engineering Design, Innovation & Entrepreneurship	12
<i>Same</i>	12
73-102 Principles of Microeconomics	9
Total:	43

Second Year

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



Spring		
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
Total:		54

Third Year		
Fall		Units
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
Total:		51

Spring		
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
Total:		51

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

Third Year		
Fall		Units
Same		12
Same		12
Same		9
Same		9
Same		0
49-205	Tech Venture Marketing (Mini 3)	4.5
49-406	Tech Venture Formation (Mini 4)	4.5
Total:		51

Spring		
Same		12
Same		12
Same		9
Same		9
49-405	Leading Engineering Innovation Teams (Mini 3)	4.5
49-306	Engineering Design Methods (Mini 4)	4.5
Total:		51



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	49-420	EDIE Innovation Capstone	9
xx-xxx	Free Elective	9	Same		9
xx-xxx	General Education Course	9	Same		9
		Total:			51
					Total:
					51
Spring			Spring		
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 Systmes OR Mechatronic Design	12	24-441 OR 24-671 OR 24-631	Discipline-specific engineering design course	12
xx-xxx	Free Elective	9	Same		9
xx-xxx	Free Elective	9	49-421	EDIE Entrepreneurship Capstone	9
xx-xxx	General Education Course	9	Same		9
xx-xxx	General Education Course	9	Same		9
		Total:			48
					Total:
					48

