

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
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
73-102	Principles of Microeconomics	9
Total:		43
Second Year		
Fall		Units
Same		1
Same		12
Same		12
Same		12
Same		9
70-345 or 70-340 or 70-350	Business Presentations or Business Communications or Acting for Business	9
Same		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
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49-206	Tech Business Planning (Mini 4)	4.5
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49-305	Customer Discovery (Mini 3)	4.5
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Total: 54

Third Year

Fall

Units

Same	12
Same	12
Same	9
Same	9
Same	0

49-306	Engineering Design Methods (Mini 1)	4.5
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49-405	Leading Engineering Innovation Teams (Mini 2)	4.5
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Total: 51

Spring

Same	12
Same	12
Same	9
Same	9

49-205	Tech Venture Formation (Mini 3)	4.5
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49-406	Tech Venture Formation (Mini 4)	4.5
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Total: 51



Fourth Year		
Fall		Units
18-xxx	ECE Coverage Requirement	12
18-3xx/4xx	ECE Area Requirement	12
xx-xxx	Free Elective	9
xx-xxx	Free Elective	9
xx-xxx	General Education Course	9
Total:		51

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
xx-xxx	Free Elective	9
xx-xxx	Free Elective	9
xx-xxx	General Education Course	9
xx-xxx	General Education Course	9
Total:		48

Fourth Year		
Fall		Units
		12
Same		
Same		12
49-420	EDIE Innovation Capstone	9
Same		9
Same		9
Total:		51

Spring		
24-441 OR 24-671 OR 24-631	Discipline-specific engineering design course	12
Same		9
49-421	EDIE Entrepreneurship Capstone	9
Same		9
Same		9
Total:		48

