

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

Mechanical Engineering

First Year

Fall		Units
24-101	Fundamentals of Mechanical Engineering	12
21-120	Differential and Integral Calculus	10
33-141	Physics I for Engineering Students	12
99-101	Computing @ Carnegie Mellon	3
76-101	Interpretation and Argument	9
Total:		46

Spring		
21-122	Integration and Approximation	10
xx-xxx	Second Introductory Engineering Course	12
xx-xxx	Physics II/Computer Science/Chemistry*	10-12
xx-xxx	General Education Course	9
Total:		41-43

Second Year

Fall		Units
24-221	Thermodynamics	10
24-261	Mechanics I: 2D Design	10
21-260	Differential Equations	9
39-210	Experiential Learning I	0
xx-xxx	Physics II/Computer Science/Chemistry*	10-12
xx-xxx	General Education Course	9

Mechanical 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:		41-43

Second Year

Fall		Units
Same		10
Same		10
Same		9
Same		0
Same		10-12
70-347 or 70-345 or 70-340 or 70-350	Entrepreneurship Communication or Business Presentations or Business Communications or Acting for Business	9

24-xxx	24-200 Machine Shop OR 24-251 Electronics for Sensing and Actuation **	1-3
Total:		49-53

Spring

24-231	Fluid Mechanics	10
24-262	Mechanics 2: 3D Design	10
21-254	Linear Algebra and Vector Calculus for Engineers	11
39-220	Experiential Learning II	0
xx-xxx	Physics II/Computer Science/Chemistry*	10-12
24-xxx	24-200 Machine Shop OR 24-251 Electronics for Sensing and Actuation **	1-3
xx-xxx	Lab requirement ***	
xx-xxx	General Education Course	9
Total:		51-55

Third Year		
Fall		Units
24-302	Mechanical Engineering Seminar I (taken either Fall or Spring)	2
24-322	Heat Transfer	10
24-351	Dynamics (offered Fall and Spring)	10
24-370	Mechanical Design: Methods and Applications	12
36-225/36-219/36-220	Engineering Statistics Requirement	9
39-310	Experiential Learning III	0
xx-xxx	Elective	9
Total:		52

Same	1-3
Total: 49-53	

Spring

Same		10
Same		10
Same		11
Same		0
Same		10-12
Same		1-3
Same		
49-206	Tech Business Planning (Mini 4)	4.5
49-305	Customer Discovery (Mini 3)	4.5
Total:		51-55

Third Year		
Fall		Units
Same		2
Same		10
Same		10
Same		12
Same		9
Same		0
49-405	Leading Engineering Innovation Teams (Mini 2)	4.5
49-306	Engineering Design Methods (Mini 1)	4.5
Total:		52



Spring		
24-302	Mechanical Engineering Seminar I (taken either Fall or Spring)	2
24-311	Numerical Methods	10
24-321	Thermal-Fluids Experimentation	12
24-352	Dynamic Systems and Control (offered Fall and Spring)	12
xx-xxx	General Education Course	9
xx-xxx	Elective	9
Total:		54

Fourth Year		
Fall		Units
24-441 OR 24-671	Product Design **** OR Electromechanical Systems Design	12
24-452	Mechanical Systems Experimentation (offered Fall and Spring)	9
xx-xxx	Elective	9
xx-xxx	General Education Course	9
xx-xxx	General Education Course	9
Total:		48

Spring		
24-441 OR 24-671 OR 24-631	Product Design **** OR Electromechanical Systems Design OR Thermal Design	12
24-xxx	Mechanical Engineering Technical Elective	9-12
xx-xxx	Elective	9
xx-xxx	General Education Course	9
xx-xxx	General Education Course	9
Total:		48-51

Spring		
<i>Same</i>		2
<i>Same</i>		10
<i>Same</i>		12
<i>Same</i>		12
49-205	Tech Venture Marketing (Mini 3)	4.5
49-406	Tech Venture Formation (Mini 4)	4.5
Total:		54

Fourth Year		
Fall		Units
Discipline-specific engineering design course - OR - Defer to Spring Term		12
<i>Same</i>		9
49-420	EDIE Innovation Capstone	9
<i>Same</i>		9
<i>Same</i>		9
Total:		48

Spring		
24-441 OR 24-671 OR 24-631	Discipline-specific engineering design course - IF not completed in fall	12
<i>Same</i>		9-12
49-421	EDIE Entrepreneurship Capstone	9
<i>Same</i>		9
<i>Same</i>		9
Total:		48-51

