

Sample Schedule - Chemical Engineering
 Updated 11/8/2023

Fall		Fall	
21-120 Differential & Integral Calculus	10	21-120 Differential & Integral Calculus	10
76-xxx Designated Writing Course	9	76-xxx Designated Writing Course	9
99-101 Computing@Carnegie Mellon	3	99-101 Computing@Carnegie Mellon	3
06-100 Introduction to Chemical Engineering	12	06-100 Introduction to Chemical Engineering or 42-101 Intro to BME	12
09-105 Introduction to Modern Chemistry I	10	09-105 Introduction to Modern Chemistry I or 03-121 Modern Biology	9-10
Total:	44	Total:	43-44

Spring		Spring	
21-122 Integration, Differential Equations & Approximation	10	21-122 Integration, Differential Equations & Approximation	10
xx-xxx Introductory Engineering Elective (other than CHE)	12	06-100 Introduction to Chemical Engineering or 42-101 Intro to BME	12
33-141 Physics I for Engineering Students	12	33-141 Physics I for Engineering Students	12
xx-xxx General Education Course	9	09-105 Introduction to Modern Chemistry I or 03-121 Modern Biology	9-10
Total:	43	Total:	43-44

Fall		Fall	
21-254 Linear Algebra and Vector Calculus for Engineers	11	21-254 Linear Algebra and Vector Calculus for Engineers	11
06-223 Chemical Engineering Thermodynamics	12	06-223 Chemical Engineering Thermodynamics	12
06-222 Sophomore Chemical Engineering Seminar	1	06-222 Sophomore Chemical Engineering Seminar	1
09-106 Modern Chemistry II	10	09-106 Modern Chemistry II	10
xx-xxx Computer Sci./Physics II**	10-12	xx-xxx Computer Sci./Physics II**	10-12
xx-xxx General Education Course	9	42-202 Physiology or 42-203 BME Laboratory	9
39-209 Experimental Learning I	0	39-209 Experimental Learning I	0
Total:	53-55	Total:	53-55

		42-202 Physiology or 42-203 BME Laboratory	9
		42-201 Professional Issues in BME	3
Total:	52-54	Total:	55-57

		42-302 BME Systems Modeling and Analysis or 42-xxx BME Track Elective	9
Total:	50-51	Total:	57-58

		42-302 BME Systems Modeling and Analysis or 42-xxx BME Track Elective	9
Total:	54	Total:	54

Forth year		Forth year	
Fall		Fall	
06-421 Chemical Process System Design	12	06-421 Chemical Process System Design	12
06-423 Unit Operations Laboratory	9	06-423 Unit Operations Laboratory	9
xx-xxx Unrestricted Elective	9		
xx-xxx Unrestricted Elective	9		
xx-xxx General Education Course	9	xx-xxx General Education Course	9
		xx-xxx General Education Course	9
Spring		Spring	
06-463 Chemical Product Design	9		
06-464 Chemical Engineering Process Con			