Sample Schedule for CivE/BME Additional Major Updated 11/1/2023

CivE		CivE+BME		
First year	Units	First year		Units
Fall		Fall		
12-100 Exploring CEE	12	12-100 Exploring CEE or 42-101 Intro to BME		12
21-120 Differential & Integral Calculus	10	21-120 Differential & Integral Calculus		10
33-141 Physics for Engineering Students I	12	33-141 Physics for Engineering Students I		12
99-10x Computing@Carnegie Mellon xx-xxx General Education Course	3 9	99-10x Computing@Carnegie Mellon xx-xxx General Education Course		3 9
Total:	46	AA-AAA General Education Course	Total:	46
Spring		Spring		
xx-xxx Introduction to Engineering	12	12-100 Exploring CEE or 42-101 Intro to BME		12
21-122 Integration & Approximation	10	21-122 Integration & Approximation		10
33-142 Physics II for Engineering Students	12	33-142 Physics II for Engineering Students		12
09-101 Introduction to Experimental Chemistry xx-xxx General Education Course	3 9	09-101 Introduction to Experimental Chemistry 03-121 Modern Biology		3 9
Total:	46	os 121 modelii siology	Total:	46
Second year		Second year		
Fall		Fall		
12-200 CEE Challenges	9	12-200 CEE Challenges		9
12-212 Statics	9	12-212 Statics		9
12-233 CEE Infrastructure Systems in Action 21-259 Calculus in Three Dimensions	2 9	12-233 CEE Infrastructure Systems in Action 21-259 Calculus in Three Dimensions		2 9
15-110 Principles of Computing	10	15-110 Principles of Computing		10
xx-xxx General Education Course	9	42-202 Physiology or 42-203 BME Laboratory		9
39-210 Experiential Learning I	0	39-210 Experiential Learning I		0
		42-201 Professional Issues in BME		3
Total:	48	Enring	Total:	51
Spring 12-231 Solid Mechanics	9	Spring 12-231 Solid Mechanics		9
12-234 Sensing and Data Acquisition for Engineering Systems	4	12-234 Sensing and Data Acquisition for Engineering Systems		4
12-271 Computation and Data Science for Civil & Environmental Engineering	9	12-271 Computation and Data Science for Civil & Environmental Engineering		9
21-260 Differential Equations	9	21-260 Differential Equations		9
36-220 Engineering Statistics and Quality Control	9	36-220 Engineering Statistics and Quality Control		9
xx-xxx General Education Course	9	42-202 Physiology or 42-203 BME Laboratory 39-220 Experiential Learning II		9 0
39-220 Experiential Learning II Total:	49	59-220 Experiential Learning II	Total:	49
Third year		Third year		
Fall	_	Fall		
Fall 12-301 CEE Projects	9	Fall 12-301 CEE Projects		9
Fall 12-301 CEE Projects 12-335 Soil Mechanics	9	Fall 12-301 CEE Projects 12-335 Soil Mechanics		9
Fall 12-301 CEE Projects	9 9	Fall 12-301 CEE Projects		9 9
Fall 12-301 CEE Projects 12-335 Soil Mechanics 12-355 Fluid Mechanics	9	Fall 12-335 Soil Mechanics 12-355 Fluid Mechanics		9
Fall 12-301 CEE Projects 12-335 Soil Mechanics 12-355 Fluid Mechanics 12-356 Fluid Mechanics	9 9 2 9	Fall 12-301 CEE Projects 12-335 Soil Mechanics 12-355 Fluid Mechanics 12-356 Fluid Mechanics		9 9 2 9
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Fall 12-301 CEE Projects 12-355 Fluid Mechanics 12-355 Fluid Mechanics 12-356 Fluid Mechanics Lab 09-111 Nanolegos: Chemical Building Blocks xx-xxx Elective 1 39-310 Experiential Learning III	9 9 2 9 9	Fall 12-301 CEE Projects 12-335 Soil Mechanics 12-355 Fluid Mechanics 12-356 Fluid Mechanics Lab 09-111 Manolegos: Chemical Building Blocks 42-302 BME Systems Modeling and Analysis or 42-xxx BMEC Track Elective	Total	9 9 2 9 9 0 9
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Fall 12-301 CEE Projects 12-35 Soil Mechanics 12-355 Fluid Mechanics 12-356 Fluid Mechanics 12-356 Fluid Mechanics Lab 09-111 Nanolegos: Chemical Building Blocks xx-xxx Elective 1 39-310 Experiential Learning III Total: Spring 12-351 Environmental Engineering 27-357 Introduction to Materials Selection 12-371 Advanced Computing and Problem Solving in Civil and Environmental Engineering	9 9 2 9 0 47 9 6	Fall 12-301 CEE Projects 12-305 Soil Mechanics 12-355 Fluid Mechanics 12-356 Fluid Mechanics Lab 09-111 Nanolegos: Chemical Building Blocks 42-302 BME Systems Modeling and Analysis or 42-xxx BMEC Track Elective 39-310 Experiential Learning III xx-xxx General Education Course Spring 12-351 Environmental Engineering 27-357 Introduction to Materials Selection 12-371 Advanced Computing and Problem Solving in Civil and Environmental Engineering	ngineering	9 9 2 9 9 0 9 56
Fall 12-301 CEE Projects 12-335 Soil Mechanics 12-355 Fluid Mechanics 12-356 Fluid Mechanics 12-356 Fluid Mechanics Lab 09-111 Nanolegos: Chemical Building Blocks xx-xxx Elective 1 39-310 Experiential Learning III Total: Spring 12-351 Environmental Engineering 27-357 Introduction to Materials Selection 12-371 Advanced Computing and Problem Solving in Civil and Environmental Engineering 12-333 Experimental & Sensing Systems Design and Computation for Infrastructure Systems	9 9 2 9 0 47 9 6 9	Fall 12-301 CEE Projects 12-305 Soil Mechanics 12-355 Fluid Mechanics 12-356 Fluid Mechanics Lab 09-111 Nanolegos: Chemical Building Blocks 42-302 BME Systems Modeling and Analysis or 42-xxx BMEC Track Elective 39-310 Experiential Learning III xx-xxx General Education Course Spring 12-351 Environmental Engineering 27-357 Introduction to Materials Selection 12-371 Advanced Computing and Problem Solving in Civil and Environmental Et 2-333 Experimental & Sensing Systems Design and Computation for Infrastruct	ngineering	9 9 2 9 9 0 9 56
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Minimum no. of units to graduate: 384 (CivE), 411 (BME/CivE)

Note: This sample schedule serves as a starting point to help students plan their class schedules. Students are advised and strongly encouraged to discuss their plans with the academic advisors.