Sample Schedule for ECE/BME Additional Majors in the BMDV Track
Updated 4/26/22

Electrical and Computer Engineering
First Year

	Fall	Units
21-120	Differential & Integral Calculus	10
33-141	Physics I for Engineering Students	12
18-100	Introduction to ECE	12
76-101	Interpretation and Argument	9
99-101	Computing@Carnegie Mellon	3
	Total:	**46**

	Spring	Units
21-122	Integration & Approximation	10
15-112	Fundamentals of Programming and CS	12
xx-101	Engineering Intro Elective (12 units)	12
xx-xxx	General Education Course	9
	Total:	**43**

Second Year

	Fall	Units
18-200	Sophomore ECE Seminar	1
18-xxx	ECE Core Requirement (12)	12
18-202	Mathematical Foundations of Electrical Engineering	12
xx-xxx	General Education Course	9
33-142	Physics II for Engineering and Physics Students	12
	Free Elective	9
39-210	Experiential Learning I	0
	Total:	**55**

	Spring	Units
18-xxx	ECE Core Requirement	12
21-127	Concepts of Math	10
15-122	Principles of Imperative Computation	10
xx-xxx	Free Elective	9
xx-xxx	General Education Course	9
39-220	Experiential Learning II	0
	Total:	**50**

Third Year

	Fall	Units
18-xxx	ECE Core Requirement	12
18-xxx	ECE Area 1	12
36-225	Probability and Statistics	9
xx-xxx	Free Elective	9
xx-xxx	General Education Course	9
39-310	Experiential Learning III	0
	Total:	**51**

Electrical and Computer Engineering + BME
First Year

	Fall	Units
21-120	Differential & Integral Calculus	10
33-141	Physics I for Engineering Students	12
18-100 or **42-101**	Introduction to ECE or **Intro to Biomedical Engineering**	12
76-101	Interpretation and Argument	9
99-101	Computing@Carnegie Mellon	3
	Total:	**46**

	Spring	Units
21-122	Integration & Approximation	10
18-100 or **42-101**	Introduction to ECE or **Intro to Biomedical Engineering**	**12**
15-112	Fundamentals of Programming and CS	12
03-121	**Modern Biology**	**9**
	Total:	**43**

Second Year

	Fall	Units
18-200	Sophomore ECE Seminar	1
18-xxx	ECE Core Requirement (12)	12
18-202	Mathematical Foundations of Electrical Engineering	12
xx-xxx	General Education Course	9
33-142	Physics II for Engineering and Physics Students	12
42-201	**Professional Issues in BME**	**3**
42-202 or 42-203	**Physiology or BME Laboratory**	**9**
39-210	Experiential Learning I	0
	Total:	**58**

	Spring	Units
18-xxx	ECE Core Requirement	12
21-127	Concepts of Math	10
15-122	Principles of Imperative Computation	10
42-202 or 42-203	**Physiology or BME Laboratory**	**9**
xx-xxx	General Education Course	9
39-220	Experiential Learning II	0
	Total:	**50**

Third Year

	Fall	Units
18-xxx	ECE Core Requirement	12
18-xxx	ECE Area 1	12
36-225	Probability and Statistics	9
42-xxx or 42-302	**BMDV Track Elective or BME Systems Modeling and Analysis**	**9**
xx-xxx	General Education Course	9
39-310	Experiential Learning III	0
	Total:	**51**

ECE

	Spring	Units
18-xxx	ECE Core Requirement	12
18-xxx	ECE Area 2	12
xx-xxx	Math/Science Elective	9
xx-xxx	Free Elective	9
xx-xxx	General Education Course	9
	Total:	**51**

Fourth Year

	Fall	Units
xx-xxx	ECE Coverage	12
18-xxx	ECE Course 2 from Area 1	12
xx-xxx	Math/Science Elective II	9
xx-xxx	Free Elective	3
xx-xxx	General Education Course	9
	Total:	**45**

	Spring	Units
18-5xx	ECE Capstone Design	12
xx-xxx	Free Elective	9
xx-xxx	Free Elective	9
xx-xxx	General Education Course	9
	Total:	**39**

ECE/BME

	Spring	Units
18-xxx	ECE Core Requirement	12
18-xxx	ECE Area 2	12
xx-xxx	Math/Science Elective	9
42-xxx or 42-302	**BMDV or BME Systems Modeling and Analysis**	**9**
xx-xxx	General Education Course	9
	Total:	**51**

Fourth Year

	Fall	Units
xx-xxx	ECE Coverage	12
18-xxx	ECE Course 2 from Area 1	12
42-401	**Foundations of BME Design**	**6**
42-xxx	**BMDV Track Elective**	**9**
xx-xxx	General Education Course	9
	Total:	**48**

	Spring	Units
18-5xx	ECE Capstone Design	12
42-xxx	**BMDV Elective**	**9**
42-402	**BME Design**	**9**
xx-xxx	General Education Course	9
xx-xxx	General Education Course	9
	Total:	**48**

Minimum no. of units to graduate: 380 (ECE), 385 (ECE/BME)