

Students Entering Fall 2022 and after

Electrical and Computer Engineering

**Electrical and Computer Engineering
and Engineering and Public Policy**

First Year Fall	Units	First Year Fall	Units
18-100 Introduction to Electrical and Computer Engineering	12	Same	12
21-120 Differential and Integral Calculus	10	Same	10
15-112 Fundamentals of Programming and Computer Science	12	Same	12
99-101 Computing @ Carnegie Mellon	3	Same	3
76-xxx First-Year Writing Requirement	9	Same	9
First Year Spring	Units	First Year Spring	Units
xx-xxx Second Introductory Engineering Course	12	19-101 Intro to Engineering and Public Policy	12
21-122 Integration and Approximation	10	Same	10
33-141 Physics I for Engineering Students	12	Same	12
xx-xxx General Education Course 1	9	73-102 Principles of Microeconomics	9
Second Year Fall	Units	Second Year Fall	Units
18-200 ECE Sophomore Seminar	1	Same	1
18-2xx ECE Core Course	12	Same	12
18-202 Mathematical Foundations of Electrical Engineering	12	Same	12
xx-xxx General Education Course 2	9	36-225 Intro to Probability Theory or 36-220 Engineering Statistics and Quality Control	9
33-142 Physics II for Engineering and Physics Students	12	Same	12
39-210 Experiential Learning I	0	Same	0
		19-201 EPP Sophomore Seminar	1
Second Year Spring	Units	Second Year Spring	Units
18-2xx ECE Core Course	12	Same	12
21-127 Concepts of Mathematics	12	Same	12
15-122 Principles of Imperative Computation	10	Same	10
36-219 Probability Theory and Random Processes	9	36-226 Introduction to Statistical Inference	9
xx-xxx General Education Course 3	9	xx-xxx EPP Writing and Communication Elective	9
39-220 Experiential Learning II	0	Same	0

Third Year Fall	Units	Third Year Fall	Units
18-2xx ECE Core Course	12	Same	12
18-3xx/4xx ECE Area Course 1	12	Same	12
xx-xxx General Education Course 4	9	Same	9
xx-xxx Math/Science Elective 1	9	xx-xxx EPP Decision Science Elective	9
39-310 Experiential Learning III	0	Same	0
xx-xxx Free Elective	*	Same	*
Third Year Spring	Units	Third Year Spring	Units
18-2xx ECE Core Course	12	Same	12
18-3xx/4xx ECE Area Course 2	12	Same	12
xx-xxx Math/Science Elective 2	9	Same	9
xx-xxx General Education Course 5	9	19-351 Applied Methods for Technology-Policy Analysis	9
xx-xxx Free Elective	*	xx-xxx EPP Technology Policy Elective 1	*
Fourth Year Fall	Units	Fourth Year Fall	Units
18-xxx ECE Coverage Course	12	Same	12
18-3xx/4xx ECE Area Course 3	12	Same	12
xx-xxx General Education Course 6	9	Same	9
xx-xxx Free Elective	*	xx-xxx EPP Technology Policy Elective 2	*
xx-xxx Free Elective	*	19-451 EPP Projects 1	12
Fourth Year Spring	Units	Fourth Year Spring	Units
18-5xx ECE Capstone Design Course	12	Same	12
xx-xxx General Education Course 7	9	Same	9
xx-xxx Free Elective	*	xx-xxx EPP Technology Policy Elective 3	*
xx-xxx Free Elective	*	19-452 EPP Projects 2	12
xx-xxx Free Elective	*	Same	*
Minimum Units Required:	379		379

* A minimum of 54 free elective units are required for Electrical and Computer Engineering. EPP students take 1 unit of EPP Sophomore Seminar and 24 units of EPP Projects as free elective units. The 24 units of EPP Technology Policy electives may be free electives or may fulfill requirements for general education. This is an example semester-by-semester plan only. Students should discuss course progress with advisors in both ECE and EPP to ensure all requirements for both departments and for CIT are completed.