

Planned Course Offerings Fall 2020 to Spring 2023

Department of Electrical Engineering, University of Hawaii

The following are planned course offerings from Fall 2020 to Spring 2023. These may be subject to change.

Last updated 10/27/2020 by the Department of Electrical Engineering.

"X" indicates the course is expected to be offered that semester.

Notations:

* at least one of these courses will be offered in the semester indicated

** at least two of these courses will be offered in the semester indicated

EE Core

Course Number	Credits	Design Credits	Course Title	Fall 2020	Spring 2021	Fall 2021	Spring 2022	Fall 2022	Spring 2023
EE 160	4	0	Programming for Engineers	X	X	X	X	X	X
EE 211	4	0.25	Basic Circuit Analysis I	X	X	X	X	X	X
EE 213	4	0.25	Basic Circuit Analysis II	X	X	X	X	X	X
EE 260	4	2	Introduction to Digital Design	X	X	X	X	X	X
EE 296	1	0.5	Sophomore Project	X	X	X	X	X	X
EE 315	3	0	Signal and Systems Analysis	X	X	X	X	X	X
EE 323	3	1	Microelectronic Circuits I	-	X	-	X	-	X
EE 323L	1	1	Microelectronic Circuits I Lab	-	X	-	X	-	X
EE 324	3	0	Physical Electronics	X	-	X	-	X	-
EE 342	3	0	Probability and Statistics	X	X	X	X	X	X
EE 371	3	0.5	Engineering Electromagnetics I	X	-	X	-	X	-
EE 396	2	1	Junior Project	X	X	X	X	X	X
EE 495	1	0	Ethics in Electrical Engineering	X	X	X	X	X	X
EE 496	3	3	Capstone Design Project	X	X	X	X	X	X
Total:	39	9.5							

Computer Engineering

Computer Engineering Core

Course Number	Credits	Design Credits	Course Title	Fall 2020	Spring 2021	Fall 2021	Spring 2022	Fall 2022	Spring 2023
EE 205	3	1	Object Oriented Programming	-	X	-	X	-	X
EE 361	3	1	Digital Systems and Computer Design	X	-	X	-	X	-
EE 361L	1	1	Digital Systems and Computer Design Lab	X	-	X	-	X	-
EE 362	3	0	Discrete Math for Engineers	X	-	X	-	X	-
EE 367	3	2	Computer Data Structures and Algorithms	-	X	-	X	-	X
EE 367L	1	1	Computer Data Structures and Algorithms Lab	-	X	-	X	-	X
EE 468	3	1.5	Introduction to Operating Systems	X	-	X	-	X	-
Total:	17	7.5							

Computer Engineering Electives

Course Number	Credits	Design Credits	Course Title	Fall 2020	Spring 2021	Fall 2021	Spring 2022	Fall 2022	Spring 2023
EE 368	3	1	Cyber Physical Systems	-	X	-	X	-	X
EE 369	3	1	Computational Media Systems	X	-	X	-	X	-
EE 406	3	1	Introduction to Computer and Network Security	-	X	-	X	-	X
EE 469	3	1	Wireless Data Networks	X	-	X	-	-	-

Electrophysics Track

Electrophysics Track Core

Course Number	Credits	Design Credits	Course Title	Fall 2020	Spring 2021	Fall 2021	Spring 2022	Fall 2022	Spring 2023
EE 326	3	1	Microelectronic Circuits II	X	-	X	-	X	-
EE 326L	1	1	Microelectronic Circuits II Lab	X	-	X	-	X	-
EE 327	3	1.5	Theory and Design of IC Devices	-	X	-	X	-	X
EE 372	3	0.5	Engineering Electromagnetics II	-	X	-	X	-	X
EE 372L	1	0.5	Engineering Electromagnetics Lab	-	X	-	X	-	X
Total:	11	4.5							

Electrophysics Track Electives

Course Number	Credits	Design Credits	Course Title	Fall 2020	Spring 2021	Fall 2021	Spring 2022	Fall 2022	Spring 2023
EE 328,L/426*	3,1/3	1,1/1	Microcircuit Fabrication / Adv Si IC and Devices	-	X	-	X	-	-
EE 435	3	0.25	Electric Power Systems	X	-	X	-	X	-
EE 438	3	1	Renewable Energy	-	X	-	X	-	X
EE 471	3	1.5	Computational Electromagnetics	-	X	-	X	-	X
EE 470/473/474/477 *	3	0/2/1.5/0	Physical Optics / Microwave Eng / Antennas / Radar, Sonar, & Nav Syst	X	X	X	X	X	X
EE 480	3	1	Intro to Biomed & Clinic Eng	X	-	X	-	X	-

Systems and Data Science Track

Systems and Data Science Track Core

Course Number	Credits	Design Credits	Course Title	Fall 2020	Spring 2021	Fall 2021	Spring 2022	Fall 2022	Spring 2023
EE 343	3	0.5	Introduction to Communication Systems	X	-	X	-	X	-
EE 343L	1	1	Introduction to Communication Systems Lab	X	-	X	-	X	-
EE 351	3	0.5	Feedback-Control Systems	X	X	-	X	-	X
EE 351L	1	1	Feedback-Control Systems Lab	X	X	-	X	-	X
EE 415	4	2	Digital Signal Processing	X	-	X	-	X	-
Total:	12	5							

Systems and Data Science Track Electives

Course Number	Credits	Design Credits	Course Title	Fall 2020	Spring 2021	Fall 2021	Spring 2022	Fall 2022	Spring 2023
EE 416/417/442 /445 **	3	1/0.5/0.5/0.5	Intro. to Digital Image Processing / Introduction to Optimization / Digital Communications / Machine Learning	-	X	-	X	-	X
EE 435	3	0.25	Electric Power Systems	X	-	X	-	X	-