

Planned Course Offerings Fall 2023 to Spring 2026

Department of Electrical and Computer Engineering, University of Hawaii at Manoa

The following are planned course offerings from Fall 2023 to Spring 2026. These may be subject to change.

Last updated 10/26/2024 by the Department of Electrical and Computer Engineering.

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

ECE Core

Course Number	Credits	Course Title	Fall 2023	Spring 2024	Fall 2024	Spring 2025	Fall 2025	Spring 2026
ECE 160	4	Programming for Engineers	F23	S24	F24	S25	F25	S26
ECE 211	4	Basic Circuit Analysis I	F23	S24	F24	S25	F25	S26
ECE 213	4	Basic Circuit Analysis II	F23	S24	F24	S25	F25	S26
ECE 260	4	Introduction to Digital Design	F23	S24	F24	S25	F25	S26
ECE 296	1	Sophomore Project	F23	S24	F24	S25	F25	S26
ECE 315	3	Signal and Systems Analysis	F23	S24	F24	S25	F25	S26
ECE 323	3	Microelectronic Circuits I	-	S24	F24	S25	-	S26
ECE 323L	1	Microelectronic Circuits I Lab	-	S24	-	S25	-	S26
ECE 324	3	Physical Electronics	F23	-	F24	-	F25	-
ECE 342	3	Probability and Statistics	F23	S24	F24	S25	F25	S26
ECE 371	3	Engineering Electromagnetics I	F23	-	F24	-	F25	-
ECE 396	2	Junior Project	F23	S24	F24	S25	F25	S26
ECE 495	1	Ethics in Electrical Engineering	F23	S24	F24	S25	F25	S26
ECE 496	3	Capstone Design Project	F23	S24	F24	S25	F25	S26
Total:	39							

Computer Engineering

Computer Engineering Core

ECE 205	3	Object Oriented Programming	-	S24	-	S25	-	S26
ECE 361	3	Digital Systems and Computer Design	F23	-	F24	-	F25	-
ECE 361L	1	Digital Systems and Computer Design Lab	F23	-	F24	-	F25	-
ECE 362	3	Discrete Math for Engineers	F23	-	F24	-	F25	-
ECE 367	3	Computer Data Structures and Algorithms	-	S24	-	S25	-	S26
ECE 367L	1	Computer Data Structures and Algorithms Lab	-	S24	-	S25	-	S26
ECE 468	3	Introduction to Operating Systems	F23	-	F24	-	F25	-
Total:	17							

Computer Engineering Electives

ECE 368	3	Cyber Physical Systems	-	-	F24	-	F25	-
ECE 369	3	Computational Media Systems	-	S24	-	S25	-	-
ECE 406	3	Introduction to Computer and Network Security	F23	-	F24	-	F25	-
ECE 469	3	Wireless Data Networks	F23	-	-	-	-	-

Electrophysics Track

Electrophysics Track Core

ECE 326	3	Microelectronic Circuits II	F23	-	F24	-	F25	-
ECE 326L	1	Microelectronic Circuits II Lab	F23	-	F24	-	F25	-
ECE 327	3	Theory and Design of IC Devices	-	S24	-	S25	-	S26
ECE 372	3	Engineering Electromagnetics II	-	S24	-	S25	-	S26
ECE 372L	1	Engineering Electromagnetics Lab	-	S24	-	S25	-	S26
Total:	11							

Electrophysics Track Electives

ECE 328/426*	3/3	Microcircuit Fabrication / Adv Si IC and Devices	-	-	-	S25	-	-
ECE 435	3	Electric Power Systems	F23	-	F24	-	F25	-
ECE 438	3	Renewable Energy	-	S24	-	S25	-	S26
ECE 471	3	Computational Electromagnetics	-	S24	-	-	-	-
ECE 470/473/474/475/477 *	3	Physical Optics / Microwave Eng / Antennas / Optical Communications / Radar, Sonar, & Nav Syst	-	S24	F24	S25	F25	S26
ECE 480	3	Intro to Biomed & Clinic Eng	-	-	F24	-	F25	-

Systems and Data Science Track

Systems and Data Science Track Core

ECE 343	3	Introduction to Communication Systems	F23	-	F24	-	F25	-
ECE 343L	1	Introduction to Communication Systems Lab	F23	-	F24	-	F25	-
ECE 351	3	Feedback-Control Systems	-	S24	-	S25	-	S26
ECE 351L	1	Feedback-Control Systems Lab	-	S24	-	S25	-	S26
ECE 415	4	Digital Signal Processing	F23	-	F24	-	F25	-
Total:	12							

Systems and Data Science Track Electives

ECE 417/442/445 **	3	Introduction to Optimization / Digital Communications / Machine Learning	-	S24	-	S25	-	S26
ECE 435	3	Electric Power Systems	F23	-	F24	-	F25	-

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