

# 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.

Track	Course Number	Credits	Design Credits	Course Title	Fall 2020	Spring 2021	Fall 2021	Spring 2022	Fall 2022	Spring 2023
<b>EE Core</b>										
	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
	<b>Total:</b>	<b>39</b>	<b>9.5</b>							
<b>Computer Engineering</b>										
<b>CORE</b>	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	
	<b>Total:</b>	<b>17</b>	<b>7.5</b>							
<b>ELECTIVES</b>	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			
<b>Electrophysics Track</b>										
<b>CORE</b>	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
	<b>Total:</b>	<b>11</b>	<b>4.5</b>							
<b>ELECTIVES</b>	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	
<b>Systems and Data Science Track</b>										
<b>CORE</b>	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	
	<b>Total:</b>	<b>12</b>	<b>5</b>							
<b>ELECTIVES</b>	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	

\* 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