

Electrical Engineering Historical Offerings:

This is a list of courses that were scheduled for online delivery over the last several years. The academic department determines which courses are scheduled for online delivery each semester. If you have questions about course availability, please [contact the department](#).

Course descriptions are available in the [University of Idaho General Catalog](#) and in the [EO course listings](#) if offered recently.

	ANALOG	F16	S17	F17	S18	F18	S19
ECE 210	Electrical Circuits I	x	x	x	x	x	x
ECE 211	Electrical Circuits I Lab	x	x	x	x	x	x
ECE 212	Electrical Circuits II	x	x	x	x	x	x
ECE 213	Electrical Circuits II Lab	x		x	x	x	x
ECE 310	Microelectronics I (Fundamentals of Electronics)	x	x	x		x	x
ECE 311	Microelectronics I Lab (Fundamentals of Electronics Lab)	x		x			
ECE 319	Background Study in Electronics	x					
ECE 410	Microelectronics II (Advanced Electronics)			x	x		x
ECE 413/513	Radio-Frequency IC Design					x	
ECE 415/515	Analog Integrated Circuit Design	x	x	x			
ECE 417/517	Mixed Signal IC Design		x		x		
ECE 418/518	Introduction to Electronic Packaging	x			x		
ECE 460	Semiconductor Devices					x	
ECE 462/562	Semiconductor Theory				x		x
ECE 465/565	Introduction to Microelectronics Fabrication	x		x		x	x

	COMMUNICATION & CONTROL SYSTEMS	F16	S17	F17	S18	F18	S19
ECE 350	Signals and Systems I	x		x			
ECE 359	Background Study in Signals and Systems	x	x	x			
ECE 404-AF/ 504-AF	ST: Advanced Frequency-Domain Control				x		
ECE 404-PL/504-PL	ST: PLL and High-Speed Link Design	x			x		x
ECE 419/516	Image Sensors and Systems		x				
ECE 444/544	Supervisory Control and Critical Infrastructure Systems				x		
ECE 450	Signals and Systems II	x		x			
ECE 452	Communication Systems		x		x		x
ECE 470/ME 481	Control Systems					x	
ECE 579/ ME 413/513	Engineering Acoustics	x	x	x	x	x	x

	DIGITAL	F16	S17	F17	S18	F18	S19
ECE 240	Digital Logic	x		x	x	x	
ECE 241	Logic Circuit Lab	x		x	x	x	
ECE 349	Background Study in Digital Logic	x		x	x	x	x
ECE 440	Digital Systems Engineering		x		x		x
ECE 441/541/ CS 451/551	Advanced Computer Architecture	x				x	
ECE 445	Introduction to VLSI Design	x		x	x	x	x
ECE 449/549/ CS 449/549	Fault-Tolerant Systems			x			x

	ELECTROMAGNETICS	F16	S17	F17	S18	F18	S19
ECE 330	Electromagnetic Theory	x	x	x	x		
ECE 404-CE/ 504-CE	ST: Computational Electromagnetics						x
ECE 430	Microwave and Millimeter Wave Circuits		x		x		x
ECE 432	Propagation of Wireless Signals	x		x		x	
ECE 434	Antenna Principles and Design			x		x	
ECE 530	Advanced Electromagnetic Theory			x		x	
ECE 531	Advanced Electromagnetic Theory II	x			x		

	POWER	F16	S17	F17	S18	F18	S19
ECE 329	Background Study in Energy Systems	x					
ECE 420	Energy Systems II		x		x	x	x
ECE 421	Introduction to Power Systems	x		x		x	
ECE 422	Power Systems Analysis		x		x		x
ECE 427	Power Electronics		x		x		x
ECE 521	Power System Stability			x			x
ECE 523	Symmetrical Components			x			
ECE 524	Transients in Power Systems				x		
ECE 525	Power System Protection and Relaying	x				x	
ECE 526	Protection of Power Systems II		x				x
ECE 527	Dynamics and Control of AC Drives			x			
ECE 528	Understanding Power Quality	x				x	
ECE 529	Utility Applications of Power Electronics		x				x

Revised May 2019