

Course Number	Course Title	Prerequisites designated with a + might be taken concurrently; courses designated with a * must be completed with a C or better	Co-requisites
1105	Lab for EE 1305	Departmental Approval	EE 1305
1305	Introduction to Electrical Engineering	MATH 1411+	EE 1105
2151	Lab for EE 2351	EE 1105* or EE 1110*	EE 2351
2169	Lab for EE 2369	(EE 1305* & 1105) or (CS 1301* & CS 1101*)	EE 2369
2350	Electric Circuits I	EE 1305* & PHYS 2421* & MATH 1312* & MATH 2326*	none
2351	Electric Circuits II	EE 2350*, MATH 2326* & PHYS 2421*	EE 2151
2353	Continuous Time Signals & Systems	EE 2351*, MATH 1312* & MATH 2326*	none
2369	Digital Systems Design I	EE 1305* or (CS 1301* & CS 1101*)	EE 2169
2372	Software Design I	CS 1320*	none
3125	Applied Quantum Mech Wkshp.	EE 2351* & PHYS 2421*	none
3138	Lab for EE 3338	EE 2351* & EE 2151*	EE 3338
3154	Laboratory for EE 3354	Departmental Approval	EE 3354
3176	Lab for EE 3376	EE 2369*, EE 2169* & EE 2372*	EE 3376
3193	Undergraduate Service Learning	Departmental Approval	none
3194	Undergraduate Research	Departmental Approval	none
3195	Junior Professional Orientation	Departmental Approval	none
3321	Electromagnetic Field Theory	EE 2350* & PHYS 2421* & MATH 2313* & MATH 2326*	none
3325	Applied Quantum Mechanics for Electrical Engineers	EE 2350* & PHYS 2421* & MATH 1312* & MATH 2326*	none
3329	Foundations of Semiconductor Devices	EE 3321* & EE 3325*	none
3338	Electronics I	EE 2351*	EE 3138
3340	Electronics II	EE 3338* or EE 3438*	none
3353	Discrete Time Signals & System	EE 2353* and MATH 2326*	none
3354	Intro to Communication Networks	EE 2353* & EE 2372*	EE 3154
3372	Software Design II	EE 2372* & EE 3176* & EE 3376*	none
3376	Microprocessor Systems I	EE 2372* & EE 2369* & EE 2350*	EE 3176
3384	Probabilistic Methods in Eng. and Sci.	MATH 2313* or MATH 2326* & EE 2353*	none
3385	Energy Conversion	EE 3321* & PHYS 2420*	none
4142	Lab for EE 4342	EE 3376* & EE 3176*	EE 4342
4153	Lab for EE 4353	EE 3329*	EE 4353
4171	Engineering Problems	Senior standing & departmental approval	none
4178	Lab for EE 4378	EE 3176* & EE 3376*	EE 4378
4181	Coop I	Junior or Senior standing & departmental approval	none
4182	Coop II	Junior or Senior standing & departmental approval	none

Course Number	Course Title	Prerequisites * -- completed with a "C" or better	Co-requisites
4183	Coop III	Junior or Senior standing & departmental approval	none
4185	Laboratory for EE 4385	EE 3340*	EE 4385
4193	Undergraduate Service Learning	Junior or Senior standing & departmental approval	none
4194	Undergraduate Research	Junior or Senior standing & departmental approval	none
4195	Senior Professional Orientation	none	none
4196	Special Topics Lab in ECE	EE 3138* & EE 3176*	none
4210	EE Laboratory II	EE 3138* & EE 3321* & 3340*	none
4220	Senior Project Laboratory I	CE 2326 & EE 3176* & EE 3138* & EE 3195* & EE 3321* & EE 3325* & EE 3340* & EE 3353* & EE 3376*	none
4230	Senior Project Lab II	EE 4220*	none
4341	Communication Systems	EE 3353* & EE 3384*	none
4342	Digital Systems Design II	EE 3376*	EE 4142
4347	Applied Electromagnetics	EE 3321*	none
4350	Integrated Circuits & Semiconductor Devices	EE 3329*	none
4351	Physiology Systems & Measurements	none	none
4353	VLSI Nanotechnology	EE 3329*	EE 4153
4354	Tomographic Imaging	EE 4383*	none
4356	Real Time Signal Proc & Communication	EE 3353* & EE 3376*	none
4357	Biomechatronics	none	none
4358	Medical Diag & Therap Instrum	EE 4385*	none
4359	Biomedical Signal & Image Processing	EE 4383*	none
4360	Telemedicine & Imaging Inform	none	none
4361	Fiber Optic Communications	(EE 3338* or EE 3438*) and EE 3321*	none
4364	Systems & Controls	EE 3353*	none
4365	Topics in Soft Computing	EE 3353* & EE 3384*	none
4366	Fuzzy Logic and Engineering	EE 3353* & EE 3384*	none
4371	Engineering Problems	senior standing & dept. approval	none
4372	Microcontroller Applications	EE 3376* & EE 3340*	none
4373	Introduction to Cybersecurity	EE 3376* & MATH 2300* restricted to EE majors	none
4374	Operating Systems Design	EE 2372 & EE 3376* and junior or senior standing & dept. approval	none
4375	VLSI Design I	EE 3329* & EE 3109 and junior or senior standing & dept. approval	none
4376	CMOS Digital Circuit Design	EE 3329* and senior standing & dept. approval	none
4377	Applied Photovoltaics	EE 3329 or MME 3309*	none
4378	Microprocessor Systems II	EE 3376*	EE 4178
4379	Computer Architecture	EE 3376*	none

4380	Microwave Engineering	EE 3321*	none
4382	Antenna Engineering	EE 3321*	none
4383	Digital Signal Processing	EE 3353* and junior or senior standing & dept. approval	none
4384	Transmission Power Flow Control	EE 2351* & EE 2372*	none
4385	Biomedical Instrumentation	EE 3340*	EE 4185
4386	Computational Methods in Electrical Engineering	EE 3321* and junior or senior standing & dept. approval	none
4388	Digital Communications	EE 3353* & EE 3384*	none
4389	High Resolution Radar	EE 3321* & EE 3353* & junior/senior standing & dept. approval	none
4394	Undergraduate Research	Junior/Senior standing & Departmental Approval	none
4395	Special Topics Electrical Engineering	Senior standing & Departmental Approval	none
4396	Practicum in Electrical & Computer Engineering	Junior standing & Departmental Approval	none
		Last Update 03-29-2021	