

Course Number	Course Title	Prerequisites courses designated with an * must be completed with a "C" or better	Co-requisites
1105	Lab for EE 1305	none	EE 1305
1300 ^a	Energy Issues in the 21st Cent.	Restricted to Freshman	none
1305	Introduction to Electrical Engineering	MATH 1411+	EE 1105
2151	Lab for EE 2351	EE 1105*	EE 2351
2169	Lab for EE 2369	(EE 1305* & 1105) or CS1401*	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 2350*, MATH 1312* & MATH 2326*	EE 2351
2369	Digital Systems Design I	EE1305* or CS 1401*	EE 2169
2372	Software Design I	CS 1320*	none
3125	Applied Quantum Mech Wkshp.	PHYS 2421* & EE 2351*	EE 3325
3138	Lab for EE 3338	EE 2351* & EE 2151*	EE 3338
3154	Laboratory for EE 3354	none	EE 3354
3176	Lab for EE 3376	EE 2369*, EE 2169* & EE 2372*	EE 3376
3195	Junior Professional Orientation	Restricted to majors of EE	none
3321	Electromagnetic Field Theory	EE 2351*, PHYS 2421*, MATH 2313* & MATH 2326*	none
3325 ^b	Applied Quantum Mechanics for Electrical Engineers	EE 2326, EE 2351* & PHYS 2421*	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 2351* & EE 2372*	EE 3154
3372	Software Design II	EE 2372*, EE 3176* & EE 3376*	none
3376 ^b	Microprocessor Systems I	EE 2372*, EE 2369* & EE 2350*	EE 3176
3384	Probabilistic Methods in Eng. and Sci.	MATH 2313* or MATH 2326* or MATH 3323*	none
3385	Energy Conversion	EE 3353* & PHYS 2420	none
3193	Undergraduate Service Learning	Departmental Approval	none
3194	Undergraduate Research	Departmental Approval	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 & dept. approval	none
4178	Lab for EE 4378	EE 3176*	EE 4378
4181	Coop I	Junior or senior standing	none
4182	Coop II	Junior or senior standing	none
4183	Coop III	Junior or senior standing	none
4185	Laboratory for EE 4385	EE 3340*	EE 4385
4193	Undergraduate Service Learning	Departmental Approval	none
4194	Undergraduate Research	Departmental Approval	none
4195	Special Topics Lab in ECE	EE 3176* & 3138*	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

Course Number	Course Title	Prerequisites * -- completed with a "C" or better	Co-requisites
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	departmental approval	none
4352	Power Electronics	EE 3338*	none
4353	VLSI Nanotechnology	EE 3329*	EE 4153
4354	Tomographic Imaging	EE 4383* and departmental approval	none
4356	Real Time Signal Proc & Communication	EE 3353* & EE 3376*	none
4357	Biomechatronics	none--junior standing on their list	none
4358	Medical Diag & Therap Instrum	EE 4385*	none
4359	Biomedical Signal & Image Processing	EE 4383*	none
4360	Telemedicine & Imaging Inform	junior standing	none
4361	Fiber Optic Communications	EE 3338* & 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
4374	Operating Systems Design	EE 3372*	none
4375	VLSI Design I	EE 3329* (& EE 3109 it is still listed on courses description)	none
4376	CMOS Digital Circuit Design	EE 3329*	none
4378	Microprocessor Systems II	EE 3376*	EE 4178
4379	Computer Architecture	EE 3376*	none
4380	Microwave Communications	EE 3321*	none
4382	Antenna Engineering	EE 3321*	none
4383	Digital Signal Processing	EE 3353*	none
4385	Biomedical Instrumentation	EE 3340*	EE 4185
4386	Computational Methods in Electrical Engineering	EE 3321*	none
4388	Digital Communications	EE 3353* & EE 3384*	none
4389	High Resolution Radar	EE 3321* & EE 3353*	none
4394	Undergraduate Research	Departmental Approval	none
4395	Special Topics Electrical Engineering	junior standing	none
4396	Practicum in Electrical & Computer Engineering	Departmental Approval	none
			none