

The following table shows the current planned schedule for ECE courses. While students can use this schedule to help with planning, they should be aware that the department may need to deviate from the schedule for various reasons. The department will make every effort to make sure that appropriate replacement courses are available if a particular class is not offered as expected.

<b>Course</b>	<b>Title</b>	<b>Schedule</b>
ECE 1101	Electrical and Computer Engineering Tools	Not offered regularly
ECE 1401	Programming for Electrical Engineers	Fall Spring
ECE 2000	Electrical and Computer Engineering Principles	Fall Spring Summer
ECE 2001	Electrical Circuits	Fall Spring Summer
ECE 3001	Electromagnetic Fields and Waves	Fall Spring
ECE 3101	Signals and Systems	Fall Spring Summer
ECE 3111	Systems Analysis and Design	Fall Spring Summer
ECE 3161	Introduction to Robotics	Spring Summer
ECE 3162	Robot Motion Planning	Fall
ECE 3163	Robot Control and Dynamics	Spring Fall 2026
ECE 3201	Electronic Circuit Design and Analysis	Fall Spring Summer
ECE 3211	Power Electronics	Spring
ECE 3212	Electric Machines and Drives	Fall
ECE 3221	Digital Integrated Circuits	Fall
ECE 3223	Optical Engineering	Fall (Odd Years)
ECE 3225	Optical Engineering Laboratory	Spring
ECE 3231	Introduction to Modern Power Systems	Fall
ECE 3243	Introduction to Nanotechnology	Not offered regularly
ECE 3401	Digital Systems Design	Spring (until Spring 2027)
ECE 3402	Computer Organization and Design	Spring (starting Spring 2028)
ECE 3411	Microprocessor Applications Laboratory	Fall Spring
ECE 3421	VLSI Design and Simulation	Spring
ECE 3431	Numerical Methods in Scientific Computation	Fall
ECE 4111	Communication Systems	Spring
ECE 4112	Digital Communications and Networks	Fall
ECE 4114	Software-Defined Radio Design Laboratory	Not offered regularly
ECE 4121	Digital Control Systems	Not offered regularly
ECE 4122	Systems Laboratory	Fall Spring
ECE 4131	Introduction to Digital Signal Processing	Spring
ECE 4132	Image Processing Systems Laboratory	Spring
ECE 4133	Fundamentals of Optical Imaging	Fall (Even years)
ECE 4141	Intro. to RF/Microwave Wireless Systems	Spring (Even years)
ECE 4161	Robotics Systems Laboratory	Spring
ECE 4201	Electronic Circuits and Applications	Spring
ECE 4211	Semiconductor Devices and Nanostructures	Spring
ECE 4223	Nanophotonics	Not offered regularly
ECE 4225	Fundamentals of Electron Device Design	Fall
ECE 4242	Microelectronic Devices Fabrication Lab	Fall
ECE 4243	Nanoscience and Nanotechnology I	Fall
ECE 4244	Nanotechnology II	Spring
ECE 4261	Introduction to Memory Device Technologies	Fall
ECE 4401	Digital Design Laboratory	Fall
ECE 4550	Microgrids	Not offered regularly
ECE 4900W	Communicating Engineering Solutions	Fall Spring Summer
ECE 4901	ECE Design I	Fall
ECE 4902	ECE Design II	Spring