

Senior	FPGA Lab(424/425), Adv MicroP Lab(450), Design of Biomed. Inst./Sys.(427), Elec Design Lab(448), CAD VLSI(491/492), MicroFab Lab(495)		Optical Instr(403), Elec Devices(485/486), Lasers(482), Bio-Photonics Lab(483)		Image Proc(414/415), Audio Sig Proc.445), Med Imag (432/433/434/472/473/483), DSP(435), Control Sys Lab(454), Info Theory(447), Error Coding(460), Machine Learning(412)		Adv ECE Team Project (452/453), Senior Design Project (498/499), LIDT (462/463) Non-ECE/CS Advanced Lab		CS 400-level Electives (601) Databases (315/415), Obj Orient Software Eng(321/421), Distributed Sys(601.317/417), Comp Genomics(447), Aug. Reality (454) Comp Int. Surgery(456), Comp Vision(461), Information Ret. (466), Machine Learning & Translation/Data to Models (468/476) Deep Learning (482)	
	Advance Senior Courses & Approved Advanced, Design Intensive Labs May Cover Multiple Areas									
Junior	↑		Internet of Things Lab 520.302		↑		Signals, Systems, & Inference 520.385		Control Systems 520.353	
	MicroP Lab 520.349		Intro Mechatronics 520.340/240		Intro. DSP 520.344		Intro Info Processing 520.315		↑	
Sophomore	Mastering Electronics 520.230		Intro VLSI 520.216		Electromagnetic Waves 520.220		Signals & Systems 520.214		Team Design (Fre/Soph) 520.212	
	520.222 or 601.229 or 520.225 (ADS)				Intro. Electromagnetics 520.219		↑		Team Design (Fre/Soph) 520.211	
Freshman	Dig Sys Fund 520.142		Intro Renew Energy 520.270		Light, Image, Vision 520.150		Comp Mods for ECE 520.123		Team Design (Fre/Soph) 520.211	
	Intro ECE 520.137				Required Course Selected Electives Recently Introduced				Java 601.107/ Gateway Computing 500.112	
Legend: Required Course Selected Electives Recently Introduced										