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|------------------------------------|---|--|---|--|--|--|---|---|--|
| Senior | Iterative Algo(419), FPGA Lab(424/425) , Adv MicroP Lab(450) , Product Design Lab(427) , Elec Design Lab(448) , CAD VLSI(491/492) , MicroFab Lab(495) | | Optical Instr(403), Elec Devices(407/485/486), Quant Mechanics(459), Lasers(482), Bio-Photonics Lab(483) | | Image Proc(414/415), Audio/Vis(416/445), Med Imag (432/433/434/472/473/483), DSP(435), Control Sys Lab(454) , Dig Coms(402), Info Theory(447), Error Coding(460), Machine Learning(412) | | Adv ECE Team Project (452/453), Senior Design Project (498/499) , Non-ECE/CS Advanced Lab | | |
| | Advance Senior Courses & Approved Advanced , Design Intensive Labs May Cover Multiple Areas | | | | | | | | |
| Junior |  CAD VLSI 520.391 | | Prog Logic Lab 520.372 | | Intro Mechatronics 520.340 | |  | | |
| | | | MicroP Lab 520.349 | | ECE Lab 520.345 | | Control Systems 520.353 | | |
| Sophomore | | | Intro VLSI 520.216 | | Electromagnetic Waves 520.220 | |  | | |
| | | | Mastering Electronics 520.230 | | Intro. Electromagnetics 520.219 | | Signals & Systems 520.214 | | |
| Freshman | | | Dig Sys Fund 520.142 | | Intro Renew Energy 520.270 | |  | | |
| | | | | | Light, Image, Vision 520.150 | | Comp Mods for ECE 520.123 | | |
| Intro ECE 520.137 | | | | | | | | Required Course Selected Electives <u>Reclassified/Discontinued</u> <i>Recently Introduced</i> | |