# ECE Tech elective planning

*Course syllabi for all undergrad UT courses:* https://utdirect.utexas.edu/apps/student/coursedocs/nlogon/

| Elective Classes | Fall 18 | Spring 19 | Fall 19 | Spring 20 |
|---|---|---|---|---|
| 316 - Digital Logic Design | x | x | x | x |
| 422C - Software Design & Implementation II | x | x | x | x |
| 325 - Electromagnetic Engineering | x | x | x | x |
| 325K - Antennas & Wireless Propagation | x |  | x |  |
| 334K - Quantum Theory of Elect Mat |  | x |  | x |
| 438 - Electronic Circuits I | x | x | x | x |
| 438K - Analog Electronics Lab |  | x |  |  |
| 338L - Analog Integrated Circuit Design | x |  |  | x |
| 339 - Solid-State Electronic Devices | x | x | x | x |
| 339S - Solar Energy Conversion Devices |  | x |  |  |
| 440 - Microelectronics Fabrication Technique | x | x | x | x |
| 341 - Electric Drives and Machines |  | x |  | guess |
| 445L - Embedded Systems Design Lab | x | x | x | x |
| 445M - Embedded & Real-Time Sys Lab |  | x |  | x |
| 445S - Real-Time Digital Signal Proc Lab | x | x | x | x |
| 347 - Modern Optics |  | Physics |  | x |
| 348 - Laser and Optical Engineering |  | x |  | x |
| 351M - Digital Signal Processing |  | x |  | x |
| 360C - Algorithms | x | x | x | x |
| 460J (379K) - Data Science Laboratory | x | x | x | x |
| 460M - Digital Systems Design Using HDL | x | x | x | x |
| 460N - Computer Architecture | x | x | x | x |
| 360P - Concurrent & Distributed Systems |  | x |  | x |
| 460R - Introduction to VLSI Design | x |  | guess |  |
| 360T - Software Testing |  | x |  | x |
| 361C - Multicore Computing | x |  |  |  |
| 461L - Software Eng and Design Lab | x | x | x | x |
| 361Q - Requirements Engineering | x |  |  |  |
| 461P - Data Science Principles (361M) | x |  | guess |  |
| 461S - Operating Systems | x | x | x | x |
| 362G- Smart grids (379K) |  | x |  | guess |
| 362K - Introduction to Automatic Control | x | x | x | x |
| 462L - Power Electronics Lab | x | x | x | x |
| 362R - Renewable Energy |  |  |  |  |
| 362Q - Power Quality and Harmonics | x |  | guess |  |
| 362S - Dev. of Solar-powered Vehicle | x |  | guess |  |
| 363M - Microwave and Radio Freq Eng. |  | x |  | guess |
| 363N - Engineering Acoustics | x |  | guess |  |
| 368L - Power Systems Apparatus and Lab |  | x |  | guess |
| 369 - Power Systems Engineering | x |  | guess |  |
| 471C - Wireless Communications Lab | x |  |  |  |
| 371R - Digital Image Processing | x |  | x |  |
| 374K - Biomedical Electronic Inst Design | x |  | x |  |
| 374L - Applications of Biomedical Eng |  | BME |  | BME |
| 379K - Software Architecture |  |  | x |  |
| 379K - Eng Dynamic Program Analysis |  |  | x |  |
| 379K - Info Security and Privacy |  | x |  | x |
| 379K - Nanopatterning |  | ME |  | ME |
| 379K - Power semiconductor | x |  | guess |  |

last updated April 3, 2018