

ECE 6380	Computer Communications	Digital data transmission techniques, modems and communications channels, communications software and protocols, multiprocessors and distributed processing; concurrency and cooperation of dispersed processors.
ECE 6550	Robot Manipulators	Analysis of robot manipulator systems with special focus on interaction of these technologies with society. Emphasis is on rigid-link robot manipulator systems. Topics include history of robot technology, kinematics, dynamics, control, and operator interfaces. Case studies reinforce impact of robot technology on society and vice versa. Students are expected to have completed courses comparable to MATH 2060 and MATH 3110 before enrolling in this course.
ECE 6570	Fundamentals of Wind Power	Introduces wind turbine systems, including wind energy potential and application to power generation. Topics include wind energy principles, wind site assessment, wind turbine components, power generation machinery control systems, connection to the electric grid, and maintenance. May also be offered as ME 6570. Students are expected to have completed a course comparable to ECE 2070 or ECE 3200 before enrolling in this course.
ECE 9910	Doctoral Dissertation Research	Doctoral Dissertation Research