Sample 4-year plan for Freshman Students for the Bachelor of Science Degree in Electrical Engineering (Total: 122 Units)

	Fall ____	Spring____	Total
Year 1	ENGR 1500 (3) – Intro to Engr./Tech MATH 2110 (4) – Calculus I COMM 1100 (3) – Oral Comm. ENGL 1010 (3) – Accelerated College Writing EE 2440 (3) – Digital Engineering TOTAL: (16)	MATH 2120 (4) – Calculus II ENGL 2030 (3) – Intro to Tech Writing PHYS 2100 (5) – General Physics I EE 2450 (3) – Embedded programming I EE 2449 (1) – Digital Logic Lab TOTAL: (16)	32
Year 2	MATH 2130 (3) – Calculus III PHYS 2200 (5) – General Physics II EE 2040 (3)* -- Circuit Analysis I US History (3) EE 3450 (3) – Embedded Sys. Programming II TOTAL: (17)	MATH 2150 (3) – Diff. Equation EE 2049 (1) – Electrical Measurements and Circ Lab EE 3020 (3)* -- Signals and Systems EE 3300 (3) – Electric Machines POLS 1000 (3) Government and American Society CHEM 1040 (4) – General Chemistry for Engineers TOTAL: (17)	34
Year 3	EE 3040 (3) – Probability, Random Variable, and Random Processes EE 3000 (3) – Econ for Engineers EE 3810 (3) – Sensors & Instrumentation in BME GE: SOCIAL SCIENCE (3) ENGR 3010 (3) – Ethics & Professionalism in Eng EE 3001 (1) - Numerical Analysis and Modeling Using MATLAB TOTAL: (16)	EE 3600 (3) – Control Sys. I EE 3700 (3) – Electronics I EE 3200 (3) – Analog Comm. Sys. EE 3030 (3) – Circuit Analysis II EE ELECTIVE (3) TOTAL: (15)	31
Year 4	EE 4961 (3) – Senior Design I EE 3050 (3) – Electric & Magnetic Fields EE ELECTIVE (3) EE ELECTIVE (3) EE SPECIALIZATION LAB (1) TOTAL: (13)	EE 4962 (3) – Senior Design II EE ELECTIVE (3) EE ELECTIVE (3) GE: HUMANITIES (3) TOTAL: (12)	25

Lower Division GE Requirement: Students need to select from the US History, Blocks C1, and D courses to fulfill the requirement of one race/ethnicity (re) and one diversity (d) course, or two (re) courses.

Important EE Major Courses: Courses with * are important prerequisites to upper division required courses and students should take them as soon as possible to avoid delays in graduation. Out of the five EE Elective Lectures, at least three need to be selected from the area of specialization.