2016-2017 BS Electrical Engineering Degree Plan

Engineering Leadership Specialization

Last First Middle SMU Student ID

See University Curriculum requirements in the Undergraduate Catalog.

Courses	Hours	Semester & Year	Grade
EE 1350 – Introduction to Electrical Engineering[1]	3		
EE 2322 – Electronic Circuits I	3		
EE 2122 – EE Laboratory: Electronic Circuits I	1		
EE 2350 – Circuits Analysis I	3		
EE 2370 – Design & Analysis of Signals & Systems	3		
EE 2170 – EE Laboratory: Design & Analysis of Signals & Systems	1		
EE 2381 – Digital Computer Logic	3		
EE 2181 – EE Laboratory: Digital Computer Logic	1		
EE 3311 – Solid State Devices	3		
EE 3322 – Electronic Circuits II	3		
EE 3122 – EE Laboratory: Electronic Circuits II	1		
EE 3330 – Electromagnetic Field Waves	3		
EE 3352 – Fundamentals of Electric Power Engineering	3		
EE 3360 – Statistical Methods in EE	3		
EE 3372 – Introduction to Digital Signal Processing	3		
EE 3381 – Microprocessors	3		
EE 3181 – EE Laboratory: Microprocessors	1		
Advanced EE Elective – Area I[2]	3		
Advanced EE Elective - Area II[3]	3		
Advanced EE Electives – Area III[4]	3		
Advanced Major Elective[5]	3		
EE 4311 – Senior Design I	3		
EE 4312 – Senior Design II	3		
TOTAL	59		

MATHEMATICS

Courses	Hours	Semester & Year	Grade
MATH 1337 – Calculus with Analytic Geometry I	3		
MATH 1338 – Calculus with Analytic Geometry II	3		
MATH 2339 – Calculus with Analytic Geometry III	3		
MATH 2343 – Elementary Differential Equations	3		
Advanced Mathematics Elective [6]	3		
TOTAL	15		

GENERAL ENGINEERING

Courses	Hours	Semester & Year	Grade
CSE 1341- Principles of Computer Science	3		
CSE 1342 – Programming Concepts	3		
TOTAL	6		

SCIENCE

Courses	Hours	Semester & Year	Grade
CHEM 1303 – General Chemistry I	3		
PHYS 1303 – Introductory Mechanics	3		
PHYS 1304 – Introductory Electricity & Magnetism	3		
PHYS 1105 or PHYS 1106	1		
Science Elective[7]	3		
TOTAL	13		

ENGINEERING LEADERSHIP (Choose three of the following)

Courses	Hours	Semester & Year	Grade
CEE 3302 – Engineering Communications	3		
EMIS 3308 – Engineering Management	3		
EMIS 3309 – Information Engineering & Global Perspectives	3		
CSE 4360 – Technical Entrepreneurship	3		
TOTAL	9		

Total TCH: _____ (Minimum 125)

GRADUATION CERTIFICATION:

_____

Advisor **Date**

_____

Dept. Chair **Date**

_____

Assistant Dean **Date**

[1]Courses that are listed multiple times in the Degree Plan in different sections may satisfy multiple requirements, but their hours apply only once to the total TCH of the major.
[2]To be chosen from EE 5352, EE 5360, EE 5362/ME 5362, EE 5370, EE 5371, EE 5372, EE 5373, EE 5374, EE 5375, EE 5376, EE 5377, EE 5378 or EE 5379
[3]To be chosen from EE 5356, EE 5357, EE 5387, EE 5381, EE 5385 or CSE 5385
[4]To be chosen from EE 5310, EE 5312, EE 5314, EE 5321, EE 5330, EE 5332 or EE 5333
[5]To be chosen from any of the Advanced EE Elective Areas I, II, III
[6]To be chosen from MATH 3308, MATH 3315 / CSE 3365, MATH 3337 or MATH 3353 (Credit will not be given for both CSE 2353 and MATH 3308).
[7]To be chosen from CHEM 1304, PHYS 3305, PHYS 3344 or PHYS 3374