



2016-2017 BS in Electrical Engineering and Mathematics Dual Degree Plan

Last First Middle SMU Student ID

See University Curriculum requirements in the Undergraduate Catalog.

MAJOR

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		
Advanced Major Elective ⁵	3		
EE 4311 – Senior Design I	3		
EE 4312 – Senior Design II	3		
TOTAL	62		

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		
MATH 3315 – Introduction to Scientific Computing	3		
MATH 3337 – Advanced Mathematics for Science and Engineering	3		
MATH 3353 – Introduction to Linear Algebra	3		
MATH 5315, 5325, 5331, 5332 or 5334	3		
TOTAL	24		

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		
TOTAL	10		

Total TCH: _____ (Minimum 125)

GRADUATION CERTIFICATION:

Advisor Date

Dept. Chair Date

Assistant Dean Date

¹Courses 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.
²To 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
³To be chosen from EE 5356, EE 5357, EE 5387, EE 5381 or EE 5385
⁴To be chosen from EE 5310, EE 5312, EE 5314, EE 5321, EE 5330, EE 5332 or EE 5333
⁵To be chosen from any Advanced EE Elective Areas I, II, III