

2012-13 BS Electrical Engineering Degree Plan

Engineering Leadership Specialization

Last

Dallas Address

Middle

Phone Number

SMU Student ID

Advisor

See University Curriculum requirements in the Undergraduate Catalog.

First

MAJOR			
Courses	Hours	Semester & Year	Grade
EE 1322 – Survey of Electrical and Electronic Devices	3		
EE 1382 – Fundamentals of Electrical Engineering	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 Using Matlab	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 3360 – Statistical Methods in EE	3		
EE 3381 – Microprocessors	3		
EE 3181 – EE Laboratory: Microprocessors	1		
EE 3330 – Electromagnetic Fields and Waves	3		
EE 3372 – Introduction to Digital Signal Processing	3		
Advanced EE Electives – Area I ²	3		
Advanced EE Electives – Area II ³	3		
Advanced EE Electives – Area III ⁴	3		
EE 4311 – Senior Design I	3		
EE 4312 – Senior Design II	3		
TOTAL	56		

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 ⁵	3		
TOTAL	15		

GENERAL ENGINEERING

Courses	Hours	Semester & Year	Grade
CSE 1341- Principles of Computer Science I	3		
CSE 1342 – Programming Concepts	3		
Engineering Elective ⁶	3		
TOTAL	9		

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
ENCE 3302 – Engineering Communications	3		
EMIS 3308 – Engineering Management	3		
EMIS 3309 – Information Engineering & Global Perspectives	3		
CSE 4360 – Technical Entrepreneurship	3		
TOTAL	9		

GRADUATION CERTIFICATION:

Advisor	Date
Dept. Chair or Associate Chair	Date

Assistant Dean

Date

¹Engineering majors are required to take 9 hours of Perspectives and 6 hours of Cultural Formations, or 12 hours of Perspectives and 3 hours of Cultural Formations for a total of 15 hours. One of the Engineering majors are required to take 9 hours of Perspectives and 6 hours of Cultural Formations, or 12 hours of Perspectives and 3 hours of Cultural Formations, or 12 hours of Perspectives and 3 hours of Cultural Formations, or Perspectives or Cultural Formations, or Perspectives of Cultural Formation, or Perspectives of Cultural Formations, or Perspectives of Cultural Formation, or Perspectives of Cultural Formation, or Perspectives of Cultural Formation, or Perspectives of Per

⁷To be chosen from CHEM 1304, PHYS 3305, PHYS 3344 or PHYS 3374