

SMU ENGINEERING

2008-09 BS Electrical Engineering Degree Plan

BS Math Dual Degree

Last	First	Middle	SMU Student ID
Dallas Address	Phone Number		Advisor

General Education Curriculum (GEC): From fall 2008 through summer 2009

Courses	Hours	Semester & Year	Grade
ENGL 1301 – Written English I	3		
ENGL 1302 – Written English II	3		
Perspectives ¹ – Arts			
Perspectives ¹ – Literature			
Perspectives ¹ – Religious & Philosophical Thought			
Perspectives ¹ – History			
Perspectives ¹ – Politics & Economics – ECO 1311	3		
Perspectives ¹ – Behavioral Sciences			
Cultural Formations ¹			
Cultural Formations ¹			
Human Diversity requirement fulfilled by:	*****		
Wellness I	1		
Wellness II	1		
TOTAL	23		

MAJOR

Courses	Hours	Semester & Year	Grade
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	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 Fields and Waves	3		
EE 3360 – Statistical Methods in EE	3		
EE 3372 – Introduction to Digital 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 ⁶	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		
MATH 3315 – Introduction to Scientific Computing	3		
MATH 3337 – Advanced Mathematics for Science and Engineering	3		
MATH 3353 – Introduction to Linear Algebra	3		
One of MATH 5315, 5325, 5331, 5332 or 5334	3		
TOTAL	24		

GENERAL ENGINEERING

Courses	Hours	Semester & Year	Grade
CSE 1341 – Principles of Computer Science I	3		
CSE 2341 Principles of Computer Science II	3		
Engineering Elective ⁷	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		
TOTAL	10		

Total TCH: _____ (Minimum 125)

White Degree Plan (For advising ONLY!)

Blue Degree Plan (For graduating seniors ONLY: Due at the beginning of the graduating semester.)

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 selections for Perspectives or Cultural Formations must satisfy the Human Diversity Co-Requirement.

²To be chosen from EE 5360, EE 5362/ME 5362, EE 5370, EE 5371, EE 5372, EE 5373, EE 5374, EE 5375 or EE 5376

³To be chosen from EE 5356, EE 5357, EE 5387, EE 5381, EE 5385 or CSE 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

⁶To be chosen from any of the Advanced EE Elective Areas I, II, III or any CSE course approved by the student's advisor

⁷To be chosen from ME 2310, ME 2320, ME 2331, ME 2342, EMIS 2360, CSE 2353 or any 5000 level EE course approved by the student's advisor