

SMU ENGINEERING

2003-04 BS Electrical Engineering Degree Plan BS Physics Dual Degree

Last First Middle SMU Student ID

Dallas Address Phone Number Advisor

General Education Curriculum (GEC): From fall 2003 through summer 2004

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			
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	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 3330 or PHYS 4392	3		
EE 3360 – Statistical Methods in EE	3		
EE 3381 – Microprocessors	3		
EE 3181 – EE Laboratory: Microprocessors	1		
EE 3322 – Electronic Circuits II	3		
EE 3122 – EE Laboratory: Electronic Circuits II	1		
Junior EE Elective ²	3		
Junior EE Elective ²	3		
Advanced EE Electives – Area I ³	3		
Advanced EE Electives – Area II ⁴	3		
Advanced EE Electives – Area III ⁵	3		
Advanced Major Elective ⁶	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 ¹	3		
TOTAL	15		

COMPUTER SCIENCE

Courses	Hours	Semester & Year	Grade
CSE 1341 – Principles of Computer Science I	3		
TOTAL	3		

SCIENCE

Courses	Hours	Semester & Year	Grade
CHEM 1303 – General Chemistry I	3		
PHYS 1105 – General Physics Lab I	1		
PHYS 1303 – Introductory Mechanics	3		
PHYS 1304 – Introductory Electricity & Magnetism	3		
PHYS 3305 – Introduction to Modern Physics	3		
PHYS 3344 – Classical Mechanics	3		
PHYS 3345 – Advanced Mechanics	3		
PHYS 3374 or ME 3341	3		
PHYS 4211 – Laboratory Physics I	2		
PHYS 5337 – Introduction to Solid State Physics	3		
PHYS 5382 – Introduction to Quantum Mechanics	3		
PHYS 5383 – Advanced Quantum Mechanics	3		
TOTAL	33		

ENGINEERING LEADERSHIP (Select two of the following)

Courses	Hours	Semester & Year	Grade
ENCE 3302 – Engineering Communications			
EMIS 3308 – Engineering Management			
EMIS 3309 – Information Engineering & Global Perspectives			
CSE 4360 – Technical Entrepreneurship			
TOTAL	6		

Total TCH: _____ (Minimum 136)

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 3311, EE 3315, or EE 3372

³To be chosen from EE 4372, EE 4373, EE 5360, EE 5362, EE 5370, EE 5371, EE 5372, EE 5373, EE 5374, or EE 5375

⁴To be chosen from EE 5356, EE 5357, EE 5380, EE 5381, EE 5385, or CSE 5385

⁵To be chosen from EE 5310, EE 5312, EE 5314, EE 5315, EE 5321, EE 5324, EE 5330, or EE 5332

⁶Must be approved by the student's advisor.

⁷To be chosen from MATH 3308, MATH 3315 / CSE 3365, MATH 3337, or MATH 3353