



2005-06 BS Electrical Engineering Degree Plan
Telecommunications Specialization

Last	First	Middle	SMU Student ID
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Dallas Address	Phone Number	Advisor
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General Education Curriculum (GEC): From fall 2005 through summer 2006

Courses	Hours	Semester & Year	Grade
ENGL 1301 – Written English I	3		
ENGL 1302 – Written English II	3		
Perspectives [†] – Arts			
Perspectives [†] – Literature			
Perspectives [†] – Religious & Philosophical Thought			
Perspectives [†] – History			
Perspectives [†] – Politics & Economics			
Perspectives [†] – Behavioral Sciences			
Cultural Formations [†]			
Cultural Formations [†]			
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 Using Matlab	1		
EE 2381 – Digital Computer Logic	3		
EE 2181 – EE Laboratory: Digital Computer Logic	1		
EE 3330 – Electromagnetic Fields & Waves	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 3372 – Introduction to Signal Processing	3		
Junior EE Elective ²	3		
EE 5301 – Introduction to Telecommunications	3		
EE 5302 – Telecommunications Management & Regulation	3		
EE 5370 – Communication & Information Systems	3		
Senior EE Elective ³	3		
Advanced EE or Telecommunication Elective ⁴	3		
Advanced EE or Telecommunication Elective ⁴	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 3308 – Introduction to Discrete Mathematics	3		
TOTAL	15		

COMPUTER SCIENCE

Courses	Hours	Semester & Year	Grade
CSE 1341 – Principles of Computer Science I	3		
CSE 2341 – Principles of Computer Science II	3		
TOTAL	6		

SCIENCE

Courses	Hours	Semester & Year	Grade
CHEM 1303	3		
PHYS 1303 – Introductory Mechanics	3		
PHYS 1304 – Introductory Electricity & Magnetism	3		
PHYS 1105 or PHYS 1106	1		
Science Elective ⁵	3		
TOTAL	13		

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 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 3311

³To be chosen from EE 5332, EE 5372, EE 5373 or EE 5381

⁴Must be approved by the student's advisor.

⁵To be chosen from CHEM 1304, PHYS 3305, PHYS 3344 or PHYS 3374