SMU ENGINEERING

2007-08 BS Electrical Engineering Degree Plan

Communication & Signal Processing Specialization

Last	First	Middle	SMU Student ID

Dallas Address	Phone Number	Advisor

General Education Curriculum (GEC): From fall 2007 through summer 2008

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 3330 – Electromagnetic Fields & Waves	3		
EE 3311 – Solid State Devices	3		
EE 3322 –Electronic Circuits II	3		
EE 3122 – EE Lab: Electronic Circuits II	1		
EE 3360 – Statistical Methods in EE	3		
EE 3372 – Intro to Signal Processing	3		
EE 3381 – Microprocessors	3		
EE 3181 –EE Lab: Microprocessors	1		
EE 5370– Communication and Information Systems	3		
EE 5372 – Topics in Digital Signal Processing	3		
EE 5176 – EE Laboratory: Network Simulation Lab	1		
EE 5376 – Intro to Communications Network	3		
EE 5371 or EE 5373 or EE 5374 or EE 5375 or EE 5377	3		
EE 4311 – Senior Design I in Communications & DSP Area	3		
EE 4312 – Senior Design II in Communications & DSP Area	3		
TOTAL	57		

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 Elective[2]	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		
CSE 2353 – Discrete Computational Structures	3		
CSE 3358 – Data Structures	3		
TOTAL	12		

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[3]	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 126)

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**

[1]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 for a total of 15 hours. One of the selections for Perspectives or Cultural Formations must satisfy the Human Diversity Co-Requirement.
[2]To be chosen from MATH 3315 / CSE 3365, MATH 3337 or MATH 3353
[3]To be chosen from CHEM 1304, PHYS 3305, PHYS 3344 or PHYS 3374