

SMU ENGINEERING

2004-05 BS Computer Science Degree Plan

Last First Middle SMU Student ID

Dallas Address Phone Number Advisor

General Education Curriculum (GEC): From fall 2004 through summer 2005

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	3		
Cultural Formations	3		
Human Diversity requirement fulfilled by:	*****		
Wellness I	1		
Wellness II	1		
TOTAL	29		

MAJOR

Courses	Hours	Semester & Year	Grade
CSE 1341 – Principles of Computer Science I	3		
CSE 2240 – Assembly Language Programming & Machine Organization	2		
CSE 2341 – Principles of Computer Science II	3		
CSE 3342 – Programming Languages	3		
CSE 3345 – Graphical User Interface Design and Implementation	3		
CSE 3353 – Fundamentals of Algorithms	3		
CSE 3358 – Data Structures	3		
CSE 3381 – Digital Logic Design	3		
CSE 4344 – Computer Networks and Distributed Systems	3		
CSE 4345 – Software Engineering Principles	3		
CSE 4346 – Software Engineering Design Project	3		
CSE 4381 - Digital Computer Design	3		
CSE 5343 – Operating Systems & System Software	3		
Advanced Major Elective ²	3		
Advanced Major Elective ²	3		
TOTAL	44		

MATHEMATICS & STATISTICS

Courses	Hours	Semester & Year	Grade
MATH 1337 – Calculus with Analytic Geometry I	3		
MATH 1338 – Calculus with Analytic Geometry II	3		
CSE 2353 – Discrete Computational Structures	3		
MATH 3315 / CSE 3365 – Introduction to Scientific Computing	3		
MATH 3353 – Introduction to Linear Algebra	3		
CSE 4340 / STAT 4340 – Statistical Methods for Engineers & Scientists	3		
TOTAL	18		

SCIENCE

Courses	Hours	Semester & Year	Grade
PHYS 1303 – Introductory Mechanics	3		
PHYS 1304 – Introductory Electricity & Magnetism	3		
PHYS 1105 – General Physics Laboratory I	1		
PHYS 1106 – General Physics Laboratory II	1		
Science Elective (3 SCH) ³	3		
Science Elective (3 SCH) ³	3		
TOTAL	14		

LEADERSHIP/BROADENING COURSES

Courses	Hours	Semester & Year	Grade
CSE 4360 – Technical Entrepreneurship	3		
EMIS 3308 – Engineering Management	3		
EMIS 3309 – Information Engineering and Global Perspectives	3		
ENCE 3302 – Engineering Communications	3		
Free Elective ⁴	3		
Free Elective ⁴	2		
TOTAL	17		

Total TCH: _____ (Minimum 122)

White Degree Plan (For advising ONLY!)

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

Advisor Date

Dept. Chair or Associate Chair Date

Assistant Dean Date

¹All students are exempt from 3 hours of Perspectives for a total of 15 hours. One of the selections for Perspectives or Cultural Formations must satisfy the Human Diversity Co-Requirement.

²AME to be chosen from: CSE 5314, CSE 5320, CSE 5330, CSE 5339, CSE 5341, CSE 5342, CSE 5344, CSE 5345, CSE 5348, CSE 5349, CSE 5350, CSE 5359, CSE 5376, CSE 5380, CSE 5381, CSE 5382, CSE 5385, CSE 5387

³To be chosen from ANTH 2315, ANTH 2363, BIOL 1401, BIOL 1402, CHEM 1113, CHEM 1114, CHEM 1303, CHEM 1304, CHEM 1307, CHEM 1308, GEOL 1301, GEOL 1305, GEOL 1307, GEOL 1308, GEOL 1313, and PHYS 3305

⁴The free electives must be approved by the advisor.