

SMU ENGINEERING

BS Management Science Degree Requirements 2002-03 Catalog BS Mathematics with Computer Science Minor

Last First Middle SMU Student ID

Dallas Address Phone Number Advisor

General Education Curriculum (GEC): From fall 2002 through summer 2003

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

MAJOR

Courses	Hours	Semester & Year	Grade
EMIS 2360 – Engineering Economy	3		
EMIS 3150 – Computer Ethics	1		
EMIS 3308 – Engineering Management	3		
EMIS 3309 – Information Engineering & Global Perspectives	3		
EMIS 3360 – Operations Research	3		
EMIS 4340 / STAT 4340 – Statistical Methods for Engineers & Scientists	3		
EMIS 4395 – Senior Design	3		
EMIS 5362 – Production & Operations Management	3		
CSE 1341 – Principles of Computer Science I	3		
CSE 2341 – Principles of Computer Science II	3		
CSE 2353 – Discrete Computational Structures	3		
CSE 4360 – Technical Entrepreneurship	3		
ENCE 3302 – Technical Communications	3		
TOTAL	37		

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 w/Analytic Geometry III	3		
MATH 2343 – Differential Equations	3		
MATH 3315 / CSE 3365 – Introduction to Scientific Computing	3		
MATH 3353 – Introduction to Linear Algebra	3		
MATH 33XX – Any math class, 3000 level or above	3		
ONE of MATH 5315, or MATH 5316, or MATH 5317	3		
TOTAL	24		

NATURAL SCIENCE/SOCIAL SCIENCE

Courses	Hours	Semester & Year	Grade
Natural Science ³	3		
Natural Science ³	3		
Social Science – (ECO 1311)	3		
Social Science – (ECO 1312)	3		
Natural Science ³ – Social Science ⁴	3		
TOTAL	15		

BUSINESS

Courses	Hours	Semester & Year	Grade
ACCT 2311 – Fundamentals of Accounting I	3		
MKTG 3340 – Fundamentals of Marketing	3		
OBBP 3370 – Organization Behavior Theory	3		
TOTAL	9		

ELECTIVES – Computer Science

Courses	Hours	Semester & Year	Grade
CSE 3358 – Data Structures	3		
CSE 53xx ⁵	3		
CSE 53xx ⁵	3		
TOTAL	9		

Total SCH: _____ (Minimum 123)

APPROVALS:

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.

²Three SCH from EMIS courses 3000 and above.

³To be chosen from BIOL 1401, BIOL 1402, CHEM 1303/1113, CHEM 1304/1114, GEOL 1301, PHYS 1403, PHYS 1404, PHYS 1407, or PHYS 1408.

⁴To be chosen from anthropology, economics, psychology, or sociology.

⁵To be chosen from CSE 3342, CSE 5320, CSE 5330, CSE 5343, or CSE 5350.