

# SMU ENGINEERING

## BS Management Science Degree Requirements 2002-03 Catalog

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 <sup>1</sup> – Arts			
Perspectives <sup>1</sup> – Literature			
Perspectives <sup>1</sup> – Religious & Philosophical Thought			
Perspectives <sup>1</sup> – History			
Perspectives <sup>1</sup> – Politics & Economics			
Perspectives <sup>1</sup> – Behavioral Sciences			
Cultural Formations	3		
Cultural Formations	3		
Human Diversity requirement fulfilled by:	*****		
Wellness I	1		
Wellness II	1		
<b>TOTAL</b>	<b>29</b>		

### 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		
EMIS x3xx <sup>2</sup>	3		
CSE 1341 – Principles of Computer Science I	3		
CSE 2341 – Principles of Computer Science II	3		
CSE 4360 – Technical Entrepreneurship	3		
ENCE 3302 – Technical Communications	3		
<b>TOTAL</b>	<b>37</b>		

### 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 or CSE 3353 – Discrete Math w/Algorithms	3		
MATH 3315 / CSE 3365 – Introduction to Scientific Computing	3		
MATH 3353 – Introduction to Linear Algebra	3		
<b>TOTAL</b>	<b>18</b>		

**NATURAL SCIENCE/SOCIAL SCIENCE**

<b>Courses</b>	<b>Hours</b>	<b>Semester &amp; Year</b>	<b>Grade</b>
Natural Science <sup>3</sup>	3		
Natural Science <sup>3</sup> or Technology <sup>4</sup>	3		
Social Science – (ECO 1311)	3		
Social Science – (ECO 1312)	3		
Natural Science <sup>3</sup> – Social Science <sup>5</sup>	3		
<b>TOTAL</b>	<b>15</b>		

**BUSINESS**

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

**ELECTIVES**

<b>Courses</b>	<b>Hours</b>	<b>Semester &amp; Year</b>	<b>Grade</b>
Elective <sup>6</sup>	3		
Elective <sup>6</sup>	3		
Elective <sup>6</sup>	3		
Elective <sup>6</sup>	3		
Elective <sup>6</sup>	3		
Elective <sup>6</sup>	2		
<b>TOTAL</b>	<b>17</b>		

**Total TCH: \_\_\_\_\_ (Minimum 122)**

**APPROVALS:**

\_\_\_\_\_  
Advisor Date

\_\_\_\_\_  
Dept. Chair or Associate Chair Date

\_\_\_\_\_  
Assistant Dean Date

<sup>1</sup>All 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.

<sup>2</sup>Three SCH from EMIS courses 3000 and above.

<sup>3</sup>To be chosen from BIOL 1303, BIOL 1304, BIOL 1305, BIOL 1401, BIOL 1402, CHEM 1303/1113, CHEM 1304/1114, CHEM 1307/1113, CHEM 1308/1114, GEOL 1305, GEOL 1307, GEOL 1308, GEOL 1315, PHYS 1403, PHYS 1404, PHYS 1407, or PHYS 1408.

<sup>4</sup>To be chosen from ANTH 2315, ANTH 2363, BIOL 1303, BIOL 1304, BIOL 1305, BIOL 1401, BIOL 1402, CHEM 1303/1113, CHEM 1304/1114, CHEM 1307/1113, CHEM 1308/1114, GEOL 1305, GEOL 1307, GEOL 1308, GEOL 1315, PHYS 1403, PHYS 1404, PHYS 1407, PHYS 1408, EE 1301, EE 1381, ME 1301, ME 1302, ME 1303, or ME 1304.

<sup>5</sup>Nine SCH Natural Science, Technology and/or Social Science including: anthropology, economics, psychology, or sociology

<sup>6</sup>All electives must be approved by the advisor.