

# SMU ENGINEERING

## 2008-09 BS Mechanical Engineering Degree Plan *with a Business Minor*

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Last First Middle SMU Student ID

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Dallas Address Phone Number Advisor

### General Education Curriculum (GEC): From fall 2008 through summer 2009

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 (ECO 1311)	3		
Perspectives <sup>1</sup> – Behavioral Sciences			
Cultural Formations <sup>1</sup>			
Cultural Formations <sup>1</sup>			
Human Diversity requirement fulfilled by:	*****		
Wellness I	1		
Wellness II	1		
<b>TOTAL</b>	<b>23</b>		

### MAJOR

Courses	Hours	Semester & Year	Grade
ME 1202 – Introduction to Engineering	2		
ME 1102 – ME Laboratory: Introduction to Engineering	1		
ME 1305 – Information Technology & Society	3		
ME 2310 – Statics	3		
ME 2320 – Dynamics	3		
ME 2331 – Thermodynamics	3		
ME 2131 – ME Laboratory: Thermodynamics	1		
ME 2340 – Mechanics of Deformable Bodies	3		
ME 2140 – ME Laboratory: Solid Mechanics	1		
ME 2342 – Fluid Mechanics	3		
ME 2142 – ME Laboratory: Fluid Mechanics	1		
ME 3332 – Heat & Mass Transfer	3		
ME 3132 – ME Laboratory: Heat & Mass Transfer	1		
ME 3340 – Engineering Materials	3		
ME 3370 – Manufacturing Processes	3		
ME 4338 – Thermal Systems Design	3		
ME 4360 – Design & Control of Mechanical Systems	3		
ME 4160 – ME Laboratory: Automatic Control	1		
ME 4370 – Elements of Machine Design	3		
ME 4380 – Mechanical Engineering Design I	3		
ME 4381 – Mechanical Engineering Design II	3		
ME 5322 – Vibrations	3		
Advanced Major Elective <sup>2</sup>	3		
<b>TOTAL</b>	<b>56</b>		

**MATHEMATICS/STATISTICS**

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		
STAT 4340 (CSE 4340, EMIS 4340) or STAT 5340 (EMIS 5370)	3		
<b>TOTAL</b>	<b>15</b>		

**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 – General Physics Laboratory I	1		
<b>TOTAL</b>	<b>10</b>		

**MATHEMATICS or SCIENCE ELECTIVES**

Courses	Hours	Semester & Year	Grade
Mathematics or Science Elective <sup>3</sup>	3		
Mathematics or Science Elective <sup>3</sup>	3		
<b>TOTAL</b>	<b>6</b>		

**BUSINESS**

Courses	Hours	Semester & Year	Grade
ECO 1312 – Principles: Inflation, Recession and Unemployment	3		
ACCT 2311 – Fundamentals of Accounting I	3		
ACCT 2312 – Fundamentals of Accounting II	3		
FINA 3320 – Financial Management	3		
ITOM 3306 – Operations Management	3		
MKTG 3340 – Fundamentals of Marketing	3		
MNO 3370 – Management of Organizations	3		
<b>TOTAL</b>	<b>21</b>		

Total TCH: \_\_\_\_\_ (Minimum 131)

**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

<sup>1</sup>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.

<sup>2</sup>The advanced major electives must be 3000 level or higher ME courses and be approved by the student's ME advisor.

<sup>3</sup>The advanced mathematics or science electives must be 3000 level or higher and be approved by the student's ME advisor.