

**SMU**BOBBY B. LYLE  
SCHOOL OF ENGINEERING**2015-16 BS Mechanical Engineering Degree Plan**  
**Premedical Specialization**

Last	First	Middle	SMU Student ID
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See University Curriculum requirements in the Undergraduate Catalog.

**MAJOR**

Courses	Hours	Semester & Year	Grade
ME 1302 – Introduction to Engineering	3		
ME 2310 – Statics	3		
ME 2320 – Dynamics	3		
ME 2331 – Thermodynamics	3		
ME 2131 – ME Laboratory: Thermodynamics	1		
EE 2350 - Circuit Analysis I	3		
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 2350 – Elements of Mechanical Engineering Measurements	3		
ME 2372 – Introduction to CAD	3		
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 4360 – Design & Control of Mechanical Systems	3		
ME 4370 – Elements of Machine Design	3		
ME 4380 – Mechanical Engineering Design I	3		
ME 4381 – Mechanical Engineering Design II	3		
Advanced Major Elective <sup>1</sup>	3		
<b>TOTAL</b>	<b>55</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		
MATH 3353 – Introduction to Linear Algebra	3		
STAT 4340 (CSE 4340, EMIS 4340) or STAT 5340 (EMIS 5370)	3		
<b>TOTAL</b>	<b>18</b>		

## SCIENCE

Courses	Hours	Semester & Year	Grade
BIOL 1401 – Introductory I	4		
BIOL 1402 – Introductory Biology II	4		
BIOL 3304 – Genetics	3		
BIOL 3350 – Cell Biology	3		
CHEM 1303 – General Chemistry I	3		
CHEM 1113 – General Chemistry Laboratory I	1		
CHEM 1304 – General Chemistry II	3		
CHEM 1114 – General Chemistry Laboratory II	1		
CHEM 3371 – Organic Chemistry I	3		
CHEM 3117 – Organic Chemistry Laboratory I	1		
CHEM 3372 – Organic Chemistry II	3		
CHEM 3118 – Organic Chemistry Laboratory II	1		
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		
<b>TOTAL</b>	<b>38</b>		

**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

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Dept. Chair or Associate Chair Date

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Assistant Dean Date

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<sup>1</sup> To be chosen from ME 3360, 4338, 5302, 5320, 5322, 5326, 5332, 5333, 5338, 5361, 5371, 5374 or 5383.