



**2016-2017 BS Mechanical Engineering Degree Plan**  
**Premedical Specialization**

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Last First Middle SMU Student ID

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**

| <b>Courses</b>                                   | <b>Hours</b> | <b>Semester &amp; Year</b> | <b>Grade</b> |
|--|--------------|----------------------------|--------------|
| 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

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

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

<sup>1</sup> To be chosen from ME 3360, 4338, 5302, 5320, 5322, 5326, 5332, 5333, 5338, 5361, 5364, 5371, 5374 or 5383.