## 2017-18 Degree Plan
### Mechanical Engineering, BS

**School of Engineering: Department of Mechanical Engineering (4 Year Plan)**

<table>
<thead>
<tr>
<th>Term</th>
<th>Hours Towards Degree:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>17</td>
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<tr>
<td></td>
<td>34</td>
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<table>
<thead>
<tr>
<th></th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
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</thead>
</table>

### Term 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 110: Accelerated Composition or ENGL 111: Composition I and ENGL 112: Composition II or ENGL 113: Enhanced Composition</td>
<td>3</td>
<td>C</td>
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</tr>
<tr>
<td>MATH 162: Calculus I</td>
<td>4</td>
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<tr>
<td>ME 160L: Mechanical Engineering Design I</td>
<td>3</td>
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<td></td>
</tr>
<tr>
<td>CHEM 121: General Chemistry I</td>
<td>3</td>
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</tr>
<tr>
<td>CHEM 123L: General Chemistry I Lab</td>
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<tr>
<td>Fine Arts Core Course</td>
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</table>

**Term Hours:** 17

### Term 2

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Grade</th>
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<tbody>
<tr>
<td>ENGL 120: Composition III</td>
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<td></td>
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<tr>
<td>MATH 163: Calculus II</td>
<td>4</td>
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<tr>
<td>CS 151L: Computer Programming Fundamentals for Non-Majors</td>
<td>3</td>
<td>C</td>
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</tr>
<tr>
<td>PHYC 160: General Physics I</td>
<td>3</td>
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</tr>
<tr>
<td>PHYC 160L: General Physics Laboratory</td>
<td>1</td>
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</tr>
<tr>
<td>Humanities Core Course</td>
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**Term Hours:** 17

### Term 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Grade</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>CE 202: Engineering Statics</td>
<td>3</td>
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<tr>
<td>ME 260L: Mechanical Engineering Design II</td>
<td>3</td>
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<tr>
<td>MATH 264: Calculus III</td>
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<td></td>
</tr>
<tr>
<td>PHYC 161: General Physics II</td>
<td>3</td>
<td>C</td>
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<tr>
<td>ME 217: Energy, Environment and Society</td>
<td>3</td>
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</table>

**Term Hours:** 16

### Term 4

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Grade</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>ME 306: Dynamics</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>MATH 316: Applied Ordinary Differential Equations</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>ECE 203: Circuit Analysis I</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>ME 318L: Mechanical Engineering Laboratory</td>
<td>4</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Writing and Speaking Core Course</td>
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<td>C</td>
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</table>

**Term Hours:** 16

In order to take ME 260L the student must be admitted into the Mechanical Engineering Department.
## Degree Plan Notes

- Each candidate for a degree must have at least a 2.00 GPA on work taken at the University of New Mexico which is counted toward the degree and at least a 2.00 GPA on all work taken at the University of New Mexico. In order to count toward graduation, each course required in a School of Engineering curriculum must be completed with a grade of C- or better. Courses used to fulfill the University of New Mexico core curriculum require a grade of C or better. Departments may have more restrictive academic requirements which also must be met.
- In order to be admitted into the Department of Mechanical Engineering the student must attain an overall GPA of 2.75 in the following courses: MATH 162, MATH 163, ME 160L, PHYS 160, ENGL 110, CHEM 121 and CHEM 123L.
- ** This degree option is for students that choose to obtain their BS in Mechanical Engineering through the FSAE option. The last 3 semesters of this curriculum change as seen above. If a student chooses to obtain their BSME with this option they must consult with their advisor at the beginning of his junior academic year.

### Term 5

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME 317L: Fluid Mechanics Lab</td>
<td>4</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>ME 301: Thermodynamics</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>CE 302: Mechanics of Materials</td>
<td>3</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Math Elective</td>
<td>3</td>
<td>C</td>
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<tr>
<td>Humanities Core Course</td>
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**Term Hours:** 16

### Term 6

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>ME 360L: Mechanical Engineering Design III</td>
<td>3</td>
<td>C</td>
<td></td>
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<tr>
<td>ME 357: Introduction to Mechanical Vibrations</td>
<td>3</td>
<td>C</td>
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<tr>
<td>ME 370: Engineering Materials Science</td>
<td>3</td>
<td>C</td>
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<tr>
<td>ME 352L: Materials Laboratory</td>
<td>1</td>
<td>C</td>
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</tr>
<tr>
<td>ECON 105: Macroeconomics</td>
<td>3</td>
<td>C</td>
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<tr>
<td>Second Language Core Course or ME 406L: Formula SAE Racecar Design **</td>
<td>3</td>
<td>C</td>
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**Term Hours:** 16

### Term 7

<table>
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<tbody>
<tr>
<td>ME 320L: Heat Transfer</td>
<td>4</td>
<td>C</td>
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<tr>
<td>ME 459: Mechanical Engineering Design IV</td>
<td>3</td>
<td>C</td>
<td></td>
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<tr>
<td>ME 380: Analysis and Design of Mechanical Control Systems</td>
<td>3</td>
<td>C</td>
<td></td>
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<tr>
<td>ME Technical Elective or ME 407: Formula SAE Racecar Fabrication Lab **</td>
<td>3</td>
<td>C</td>
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</table>

**Term Hours:** 13

### Term 8

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Hours</th>
<th>Minimum Grade</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>ME 460: Mechanical Engineering Design V or ME 408: Formula SAE Racecar Test Lab **</td>
<td>4</td>
<td>C</td>
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<tr>
<td>Technical Elective</td>
<td>3</td>
<td>C</td>
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<tr>
<td>ME Technical Elective</td>
<td>3</td>
<td>C</td>
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</tr>
<tr>
<td>ME Technical Elective</td>
<td>3</td>
<td>C</td>
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</tbody>
</table>

**Term Hours:** 13

### Crucial course: **

(A crucial course is a predictor for success in obtaining this degree. It should be taken in the term indicated in order to ensure timely progress to graduation.)