## B.S. in GENERAL ENGINEERING
### (General Curriculum)
#### Suggested 4-Year Academic Flowchart

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FRESHMAN</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall</td>
<td>ENGR 110</td>
<td>Introduction to Engineering</td>
<td>2</td>
</tr>
<tr>
<td>Winter</td>
<td>ENGL 133/134</td>
<td>Oral Communication</td>
<td>4</td>
</tr>
<tr>
<td><strong>SOPHOMORE</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall</td>
<td>MATH 141</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>Winter</td>
<td>MATH 142</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>Spring</td>
<td>MATH 143</td>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td><strong>JUNIOR</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall</td>
<td>MATH 144</td>
<td>Calculus IV</td>
<td>4</td>
</tr>
<tr>
<td>Winter</td>
<td>ENGR 110</td>
<td>Introduction to Design &amp; Manufacturing</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>FIN 401</td>
<td>Business Communication</td>
<td>1</td>
</tr>
<tr>
<td><strong>SENIOR</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall</td>
<td>ENGR 349</td>
<td>Interdisciplinary Senior Design Project I</td>
<td>6</td>
</tr>
<tr>
<td>Winter</td>
<td>ENGR 459</td>
<td>Interdisciplinary Senior Design Project II</td>
<td>6</td>
</tr>
<tr>
<td>Spring</td>
<td>ENGR 460</td>
<td>Interdisciplinary Senior Design Project III</td>
<td>6</td>
</tr>
</tbody>
</table>

**Notes:**
- MOST GENERAL EDUCATION COURSES CAN BE TAKEN IN ANY ORDER AS LONG AS PREREQUISITES ARE MET
- For a comprehensive view of the General Education (GE) areas and their requirements, please consult the official catalog.

**Legend:**
- **Major (86)**
- **Support (60)**
- **GE Area (40)**

**Commencement:**
- Fall: 2021
- Winter: 2022
- Spring: 2023

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**Courses:**
- **ENGR 110:** Introduction to Engineering
- **ENGL 133/134:** Oral Communication
- **MATH 141-144:** Calculus I-IV
- **ENGR 110:** Introduction to Design & Manufacturing
- **FIN 401:** Business Communication
- **ENGR 349:** Interdisciplinary Senior Design Project I
- **ENGR 459:** Interdisciplinary Senior Design Project II
- **ENGR 460:** Interdisciplinary Senior Design Project III

**Support Courses:**
- **FIN 401:** Business Communication

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**General Education Requirements:**
- Physical Science (4 unit minimum)
- Social Science (3 units)
- Human Science/Literature (3 units)
- Arts/Cultural Understanding (6 units)
- International Travel Experience (3 units)
- Communication (2 units)

**Total Units:** 186

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**Prerequisites:**
- MATH 142
- ENGR 110

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**Graduation Requirements:**
- 120 units required for graduation
- At least 45 units must be upper-division courses
- Minimum 3.0 GPA overall
- Minimum 3.0 GPA in major courses

**Support Course Prerequisite:**
- MATH 142

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**Consult Your Advisor:**
- Course electives are subject to change each year.
- Consult the current catalog for specific course requirements.

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**Updated: 2/18/20**