### Engineering Fundamental Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IEDA 1010</td>
<td>Technology and Management Professional Activities</td>
<td>0</td>
</tr>
<tr>
<td>IEDA 1020</td>
<td>Academic and Professional Development I</td>
<td>0</td>
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<tr>
<td>IEDA 1990</td>
<td>Industrial Experience</td>
<td>0</td>
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<tr>
<td>MATH 1013</td>
<td>Honors Calculus I</td>
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<tr>
<td>MATH 1014</td>
<td>Honors Calculus I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1023</td>
<td>Calculus IA</td>
<td>4</td>
</tr>
<tr>
<td>MATH 1024</td>
<td>Calculus IB</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 1112</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 1312</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1010</td>
<td>General Chemistry IA</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1020</td>
<td>General Chemistry IB</td>
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</tr>
<tr>
<td>CHEM 1030</td>
<td>General Chemistry IB</td>
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</tbody>
</table>

### Required Courses for the Program

#### School Requirements

- **Required credits for School Requirements**: 48

#### Major Requirements

- **Required credits for Major Required Courses and Electives**: 80

#### Additional Requirements

- **Required credits for Major Required Courses and Electives**: 20

#### BBA in Management

- **Required credits for BBA in Management**: 36

### Remarks

- The Program includes both BEng and BBA courses.
- Students must satisfy the requirements of both BEng and BBA.
- For students in the Consulting Option, they must take MGMT 4210 to fulfill this requirement.
- Students in the CSR Option must take MGMT 4220 and a new course.
- Students should check the schedule for any required changes in BBA and BBA degrees.

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**Notes:**

1. H indicates the reuse of the same course in different semesters.
2. G indicates the reuse of the same course to fulfill more than one requirement.
3. **Remarks on course(s):**

**Statement:**

- The course [MATH 1020] or [MATH 1023] to satisfy the [Mathematics] requirement of both BEng and BBA, Students in the Consulting [MATH 1020] or [MATH 1023] to satisfy the [Mathematics] requirement of both BEng and BBA.
- **Remarks:**

**An Example on Student's Pathway**

1. **Year 1 Fall**
   - ECON 2103
   - MGMT 2110
   - PHYS 1112
   - CHEM 1010
   - Required credits: 18

2. **Year 1 Spring**
   - ECON 2113
   - MGMT 2120
   - PHYS 1312
   - CHEM 1020
   - Required credits: 18

3. **Year 2 Fall**
   - ECON 2213
   - MGMT 3110
   - MATH 2103
   - Required credits: 18

4. **Year 2 Spring**
   - ECON 2213
   - MGMT 3120
   - MATH 2113
   - Required credits: 18

5. **Year 3 Fall**
   - ECON 2213
   - MGMT 3130
   - MATH 2123
   - Required credits: 18

6. **Year 3 Spring**
   - ECON 2213
   - MGMT 3140
   - MATH 2133
   - Required credits: 18

7. **Year 4 Fall**
   - ECON 3213
   - MGMT 4110
   - Required credits: 12

8. **Year 4 Spring**
   - ECON 3213
   - MGMT 4210
   - Required credits: 12

9. **Year 5 Fall**
   - ECON 3213
   - MGMT 4220
   - Required credits: 12

10. **Year 5 Spring**
    - ECON 4213
    - MGMT 5110
    - Required credits: 12

**Total credits:** 180