### BEng in Civil and Environmental Engineering

#### Major Requirements

<table>
<thead>
<tr>
<th>Engineering Fundamental Courses</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CIVL 3610</td>
<td>Soil Mechanics and Foundation Engineering (3)</td>
</tr>
<tr>
<td>CIVL 3620</td>
<td>Geotechnical Engineering (3)</td>
</tr>
<tr>
<td>CIVL 3630</td>
<td>Structural Analysis (3)</td>
</tr>
<tr>
<td>CIVL 3640</td>
<td>Construction Materials (3)</td>
</tr>
<tr>
<td>CIVL 3650</td>
<td>Building Information Modeling (3)</td>
</tr>
<tr>
<td>CIVL 3660</td>
<td>Geodatabase and Geospatial Analysis (3)</td>
</tr>
</tbody>
</table>

#### Required Credits for Engineering Fundamental Courses

- BBA in Economics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title / Courses List</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 2103 / 2113 / 2123</td>
<td>Microeconomics (4)</td>
</tr>
<tr>
<td>MATH 1023</td>
<td>Honors Calculus I (3)</td>
</tr>
<tr>
<td>MATH 1024</td>
<td>Honors Calculus II (3)</td>
</tr>
</tbody>
</table>

#### Major Required Courses and Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title / Courses List</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIVL 2410</td>
<td>Environmental Assessment and Management (3)</td>
</tr>
<tr>
<td>CIVL 2160</td>
<td>Modeling Systems with Uncertainties (3)</td>
</tr>
<tr>
<td>CIVL 2170</td>
<td>Infrastructure Systems Engineering and Management (3)</td>
</tr>
</tbody>
</table>

#### Required Credits for Additional Requirements

- BBA in Economics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title / Courses List</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISOM 2600</td>
<td>Introduction to Business Analytics (1)</td>
</tr>
</tbody>
</table>

### Notes

- "(" indicates the reuse of the same course to fulfill more than one requirement.
- *Courses offered in summer term
- # Courses offered in winter term
- **(course code prefix)

### An Example on Student's Pathway (as of July 22, 2022)

#### Year 1 Spring

- **Declaration of Major**
- **Term Load (Excl. Free Credits)**
- **Credits**

#### Year 1 Fall

- **Term Load (Excl. Free Credits)**
- **Credits**

#### Year 2 Spring

- **Term Load (Excl. Free Credits)**
- **Credits**

#### Year 2 Fall

- **Term Load (Excl. Free Credits)**
- **Credits**

#### Year 3 Spring

- **Term Load (Excl. Free Credits)**
- **Credits**

#### Year 3 Fall

- **Term Load (Excl. Free Credits)**
- **Credits**

#### Year 4 Spring

- **Term Load (Excl. Free Credits)**
- **Credits**

#### Year 4 Fall

- **Term Load (Excl. Free Credits)**
- **Credits**

#### Year 5 Spring

- **Term Load (Excl. Free Credits)**
- **Credits**

#### Year 5 Fall

- **Term Load (Excl. Free Credits)**
- **Credits**

### Additional Requirements

- **Total Credits Required for Major**

- **Total Credits Required for BBA Program**

- **Total Credits Required for Dual Degree Program**

### Notes

- [1] The content of this example is not necessarily equivalent to a complete list of graduation requirements of the program. Students should refer to the Program Catalogue Course Handbook for updated graduation requirements. For up-to-date information on course offering and scheduling, students should consult our course registration School and Department.