### Geological Engineering, B.A.Sc. (Class of 2020)

**Second Year Common Core – 2017/18 (Class of 2020 Only)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CHEE 209</td>
<td>Analysis of Process Data F</td>
<td>3.5</td>
</tr>
<tr>
<td>CIVL 230</td>
<td>Solid Mechanics I F</td>
<td>4.25</td>
</tr>
<tr>
<td>GEOE 207</td>
<td>History of Life F</td>
<td>3.5</td>
</tr>
<tr>
<td>GEOE 221</td>
<td>Geological Engineering Field Methods F</td>
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</tr>
<tr>
<td>GEOE 232</td>
<td>Mineralogy F</td>
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</tr>
<tr>
<td>GEOE 281</td>
<td>Earth Systems Engineering F</td>
<td>3</td>
</tr>
<tr>
<td>APSC 221</td>
<td>Economics and Business Practices in Engineering F</td>
<td>3 *</td>
</tr>
<tr>
<td>APSC 200</td>
<td>Engineering Design and Practice II F/W</td>
<td>K4 *</td>
</tr>
<tr>
<td>APSC 293</td>
<td>Engineering Communications I F/W/K1 *</td>
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<tr>
<td>GEOE 235</td>
<td>Genesis and Characterization of Solid Earth Materials W</td>
<td>4</td>
</tr>
<tr>
<td>GEOE 238</td>
<td>Surficial Processes, Sedimentation and Stratigraphy W</td>
<td>4</td>
</tr>
<tr>
<td>GEOE 249</td>
<td>Geophysical Characterization of the Earth W</td>
<td>3.5</td>
</tr>
<tr>
<td>MTHE 225</td>
<td>Ordinary Differential Equations F/W/S-OL</td>
<td>3.5 *</td>
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</table>

*Note: Students in GEOE take APSC 221 in the Fall Term and APSC 200, 293 and MTHE 225 in the Winter term*

**Intersession (Taken in Spring following 2nd Year)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GEOE 300</td>
<td>Geological Engineering Field School S</td>
<td>5</td>
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**Third Year Common Core – 2018/19 (Class of 2020 only)**

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>GEOE 321</td>
<td>Analysis of Rock Structures F</td>
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<tr>
<td>CIVL 340</td>
<td>Geotechnical Engineering I F</td>
<td>3.75</td>
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<tr>
<td>CIVL 371</td>
<td>Groundwater Engineering F</td>
<td>3.75</td>
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<tr>
<td>GEOE 365</td>
<td>Geochemical Characterization of the Earth F</td>
<td>3.75</td>
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<tr>
<td>GEOE 359</td>
<td>Applied Quantitative Analysis in Geological Engineering F</td>
<td>3.5</td>
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<tr>
<td>GEOE 313</td>
<td>Geomechanics and Rock Engineering Design W</td>
<td>3.5</td>
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<tr>
<td>GEOE 362</td>
<td>Resource Engineering W</td>
<td>4.5</td>
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<tr>
<td>GEOE 319</td>
<td>Applied Geophysics W</td>
<td>4.5</td>
</tr>
<tr>
<td>GEOE 333</td>
<td>Terrain Evaluation W</td>
<td>4</td>
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<tr>
<td>GEOE 345</td>
<td>Site Investigation &amp; Geological Engineering Design W</td>
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+2 electives (see bottom of sheet)

**Fourth Year Common Core- 2019/20 (Class of 2020 only)**

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOE 446</td>
<td>Engineering Design Project I F</td>
<td>K3</td>
</tr>
<tr>
<td>GEOE 447</td>
<td>Engineering Design Project II W</td>
<td>K5</td>
</tr>
</tbody>
</table>

Take ONE of GEOE 410 or GEOE 419 as Core (circle below)

* GEOE 410 Geological Engineering Field School F | 3.5
* GEOE 419 Engineering Geophysics Field School S | 3.5

+5 electives (see below)

**THREE HSS ELECTIVES (fill in below)**

<table>
<thead>
<tr>
<th>Credits</th>
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</thead>
</table>

**FOUR* TECHNICAL ELECTIVE COURSES (+min 12 Credits)...course name below**

<table>
<thead>
<tr>
<th>Credits</th>
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</thead>
</table>

*4 course AND minimum 12 credits: Only full year (min 6 unit) courses can be counted as multiple courses (x2)