# 2020 Study Plan Template

**Master of Engineering Science (Civil)**

Please note that this document is provided as a guide only. Students are responsible for ensuring that they have completed 72 units of study according to the official course rule available at [https://students.flinders.edu.au/my-course/course-rules/postgrad/mengscs/mengsc](https://students.flinders.edu.au/my-course/course-rules/postgrad/mengscs/mengsc)

Students are responsible for planning their Core and Option Topics ahead to ensure they meet the topic prerequisites.

A list of all topics, including topic prerequisite information and alternate study period availabilities, is available at [Topics 2020](https://students.flinders.edu.au/my-course/course-rules/postgrad/mengscs/mengsc).

**Semester 1, 2020 start:**

<table>
<thead>
<tr>
<th>Year 1</th>
<th>S1</th>
<th>ENGR8761: Engineering Mathematics GE (4.5 units)</th>
<th>ENGR8812: Engineering Mechanics GE (4.5 units)</th>
<th>ENGR8851: Infrastructure Systems Engineering (4.5 units)</th>
<th>Option Year 1 Topic:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>S2</td>
<td>ENGR8752: Engineering Physics and Mathematics (4.5 units)</td>
<td>ENGR8922: Civil Engineering Design (4.5 units)</td>
<td>ENGR8932: Engineering Geology and Geomechanics (4.5 units)</td>
<td>ENGR9704: Project Management and Innovation (4.5 units)</td>
</tr>
<tr>
<td>Year 2</td>
<td>S1</td>
<td>ENGR9710A: Masters Project (4.5 units)</td>
<td>ENGR8791: Mechanics and Structures GE (4.5 units)</td>
<td>Option Year 2 topic:</td>
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<tr>
<td></td>
<td>S2</td>
<td>ENGR9710B: Masters Project (4.5 units)</td>
<td>ENGR8862: Structural Engineering 1 GE (4.5 units)</td>
<td>Option Year 2 topic:</td>
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Semester 2, 2020 start:

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<th>ENGR8752: Engineering Physics and Mathematics (4.5 units)</th>
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**Key:**
- **Core Topic**
- **Compulsory topic**
- **Option Topic**
  - A choice from a list of specified topics (see below)

**Option Year 1 topics:**
Plus 4.5 units selected from:

- **ENGR7961** Finite Element Methods (4.5 units)
- **ENGR8841** Hydrostatics GE (4.5 units)
- **EASCxxxx** Earth Sciences (EASC) topics with approval from the Course Coordinator (4.5 units)
- **ENGRxxxx** Engineering (ENGR) topics with approval from the Course Coordinator (4.5 units)
- **ENVSxxxx** Environmental Studies (ENVS) topics with approval from the Course Coordinator (4.5 units)
- **STEMxxxx** Science Technology Engineering & Maths (STEM) topics with approval from the Course Coordinator (4.5 units)

**Option Year 2 topics:**
Plus 18 units selected from:

- **ENGR7951** Advanced Infrastructure Engineering Design 1 (4.5 units)
- **ENGR7872** Advanced Infrastructure Engineering Design 2 (4.5 units)
- **ENGR8801** Fluid Mechanics GE (4.5 units)
- **ENGR8861** Structural Engineering 2 GE (4.5 units)
- **ENGR8931** Geotechnical Engineering GE (4.5 units)
- **ENGR8951** Hydraulics and Water Engineering GE (4.5 units)
- **ENGR8971** Transport Systems Engineering GE (4.5 units)