# 2022 Study Plan
## Master of Engineering (Civil & Structural)

### Year 1

<table>
<thead>
<tr>
<th>S1</th>
<th>CEME 7301 Computer Analysis of Structures and Structural Dynamics</th>
<th>CEME 7302 Reinforced Concrete Design</th>
<th>ENG 7057 Communication &amp; Critical Thinking</th>
<th>PROJMGNT 5021 Project Management Fundamentals</th>
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</thead>
<tbody>
<tr>
<td>S2</td>
<td>CEME 7303 Structural Steel Design</td>
<td>CEME 7306 Geotechnical Engineering</td>
<td>ELEC ENG 7164 Business Management Systems</td>
<td>MATHS 7025 Research Methods and Statistics</td>
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### Year 2

<table>
<thead>
<tr>
<th>S1</th>
<th>ENG 7001A Research Project Part A (6 units)</th>
<th>Civil Engineering Elective (see elective table)</th>
<th>Civil Engineering Elective (see elective table)</th>
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<tbody>
<tr>
<td>S2</td>
<td>ENG 7001B Research Project Part B (6 units)</td>
<td>Civil Engineering Elective (see elective table)</td>
<td>Civil Engineering Elective (see elective table)</td>
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### Core Courses

- C&ENVENG 7108
- CEME 7407
- MECH ENG 7059
- Environmental Systems Dynamics
- Unsaturated Soils
- Finite Element Analysis of Structures

### Foundation Courses

- CEME 7406
- CEME 7408
- CEME 7410
- Advanced Hydrology and Flood Hydraulics
- Soil & Groundwater Remediation
- Designing Water Resource Systems for Urban Environments

### Elective (see table)

### Civil and Structural Engineering Elective

<table>
<thead>
<tr>
<th>S1</th>
<th>CEME 7405</th>
<th>Integrated Natural Hazard Risk Management</th>
<th>NOT AVAILABLE</th>
<th>SUMMER</th>
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<tbody>
<tr>
<td>S2</td>
<td>CEME 7404</td>
<td>Advanced Water Distribution Systems Engineering</td>
<td>Structural Dynamics and Earthquake Energy</td>
<td>CEME 7411</td>
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<tr>
<td></td>
<td>CEME 7411</td>
<td>Seismic Design of Masonry Buildings</td>
<td>Fracture Mechanics</td>
<td>CEME 7415</td>
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<tr>
<td></td>
<td>CEME 7415</td>
<td>Fracture Mechanics</td>
<td>Stresses in Plates &amp; Shells</td>
<td>MECH ENG 7023</td>
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<tr>
<td></td>
<td>MECH ENG 7043</td>
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<td>MECH ENG 7043</td>
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### NOTES

**Internship:** Master of Engineering students are required to complete 12 weeks of internship during the course of their studies, with a minimum of 6 weeks under the supervision of a professional engineer. Students who have previously completed an approved 12 week period of internship as part of their undergraduate studies at the University of Adelaide are exempt from this requirement. Internships are self-sourced and further information can be found on the Engineering Internships web page: [https://ecms.adelaide.edu.au/study-with-us/student-support/internships/engineering](https://ecms.adelaide.edu.au/study-with-us/student-support/internships/engineering).

**Information and Enrolment Advice:**
- Ask ECMS
- Email: askecms@adelaide.edu.au

**Program Rules:** For academic program rules please refer to the following website:
- [https://calendar.adelaide.edu.au/faculty/ecms](https://calendar.adelaide.edu.au/faculty/ecms)