THE UNIVERSITY of ADELAIDE

# Faculty of Engineering, Computer and Mathematical Sciences 2019 Study Plan

# Bachelor of Engineering (Honours) (Civil) – All Majors with Bachelor of Mathematical and Computer Sciences (Maths Major)

| Year 1 | | | | |
|---|---|---|---|---|
| S1 | MATHS 1011 Mathematics IA # ☐ | CEME 1004 Engineering Mechanics-Statics ☐ | ENG 1003 Programming (Matlab and Excel) ☐ | Level 1 Engineering Elective ☐ |
| S2 | MATHS 1012 Mathematics IB ☐ | CEME 1002 Introduction to Infrastructure ☐ | ^ ENG 1001 Introduction to Engineering ☐ | Course Selection A ☐ |
| **Year 2** | | | | |
| Courses will be available for Year 2 in 2020 | | | | |
| **Practical Experience** | | | | |
| Students must complete the compulsory practical experience requirement comprising of ENG 3100 Engineering Practice 1 (3 units), ENG 3200 Engineering Practice 2 (3 units) and an 8-week placement. These requirements can be undertaken from Year 2 onwards and must be completed in order to be eligible to graduate. Further information can be found on the Practical Experience website. (link) | | | | |
| **Year 3** | | | | |
| Courses will be available for Year 3 in 2021 | | | | |
| **Year 4** | | | | |
| Courses will be available for Year 4 in 2022 | | | | |
| **Year 5** | | | | |
| Courses will be available for Year 5 in 2023 | | | | |

| Please see NOTES below before enrolling into the above courses | Core Courses | Course dependent on your Major– See Course Selection Summary below | Mathematical Courses |
|---|---|---|---|

**NOTES:**

^ Unless exempted, International students are required to take ENG 1011 Introduction to Engineering - EAL in lieu of ENG 1001 Introduction to Engineering

# Students who have not passed SACE Stage 2 Specialist Maths must enrol in MATHS 1013 Mathematics IM before enrolling in MATHS 1011 Mathematics IA. Manage your enrolment by completing MATHS 1013 Mathematics IM in semester 1 followed by MATHS 1011 Mathematics IA in semester 2 and MATHS 1012 Mathematics IB in summer school. MATHS 1013 Mathematics IM is in addition to the requirements of this program.

+ Please refer to the program rules for the definition of an Applied Maths, Pure Maths, Statistics or Mathematical Sciences major. Refer to the degree finder for elective choices.

For a complete list of courses that constitute the program, including majors, please refer to the academic program rules website: https://calendar.adelaide.edu.au/faculty/ecms

**Further Information and Enrolment Advice**

Faculty of Engineering, Computer and Mathematical Sciences
Email: askecms@adelaide.edu.au
www.ecms.adelaide.edu.au

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## Course Selection Summary

This course choice is dependent on the major stream that you choose. Please see the Major list below to help guide your enrolment.

### Standard Degree (No Major)
A Engineering Elective

### Construction Management Major
A DESST 1504 Representation I

### Geotechnical Engineering Major
A Engineering Elective

### Structural Engineering Major
A Engineering Elective

### Water Systems Major
A Engineering Elective

## Engineering Electives for Level 1

| CHOOSE FROM THE FOLLOWING LEVEL 1 ELECTIVES | | | | |
|---|---|---|---|---|
| S1 | ELEC ENG 1101 Electronic Systems ☐ | CHEM ENG 1007 Introduction to Process Engineering ☐ | CEME 1001 Introduction to Environmental Engineering ☐ | |
| S2 | CEME 1003 Resources and Energy in a Circular Economy ☐ | MECH ENG 1007 Engineering Mechanics - Dynamics ☐ | PETROENG 1006 Introduction to Petroleum Engineering ☐ | |