

Bachelor of Engineering (Honours) (Architectural and Structural)

Year 1				
S 1	# MATHS 1011 Mathematics IA <input type="checkbox"/>	CEME 1004 Engineering Mechanics-Statics <input type="checkbox"/>	ENG 1003 Programming (Matlab and Excel) <input type="checkbox"/>	DESST 1504 Representation I <input type="checkbox"/>
S 2	MATHS 1012 Mathematics IB <input type="checkbox"/>	^ ENG 1001 Introduction to Engineering <input type="checkbox"/>	PHYSICS 1510 Physics IE: Mechanics and Thermodynamics <input type="checkbox"/> or MECH ENG 1007 Dynamics	DESST 1507 Construction I <input type="checkbox"/>
Year 2				
S 1	MATHS 2106 Differential Equations for Engineers II <input type="checkbox"/>	CEME 2001 Strength of Materials <input type="checkbox"/>	DESST 1503 Design Studio I (6 units) <input type="checkbox"/>	
S 2	MATHS 2107 Statistics & Numerical Methods II <input type="checkbox"/>	CEME 2002 Structural Mechanics <input type="checkbox"/>	Engineering Elective (see elective table) <input type="checkbox"/>	DESST 2521 History Theory II <input type="checkbox"/>
Year 3				
S 1	CEME 2004 Introduction to Geo-Engineering <input type="checkbox"/>	CEME 3001 Computer Analysis of Structures and Structural Dynamics <input type="checkbox"/>	CEME 3002 Reinforced Concrete Design <input type="checkbox"/>	DESST 2517 Environment II <input type="checkbox"/>
S 2	CEME 3003 Structural Steel Design <input type="checkbox"/>	CEME 3006 Geotechnical Engineering <input type="checkbox"/>	ENG 3005 Research Method & Project Management <input type="checkbox"/>	DESST 3517 Environment III <input type="checkbox"/>
Internship				
All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of internship (6 units) during the course of their studies – see note below elective table.				
Year 4				
S 1	ENG 4001A Research Project Part A <input type="checkbox"/>	DESST 3514 Construction III <input type="checkbox"/>	DESST 3513 Design Studio 5 (6 units) <input type="checkbox"/>	
S 2	ENG 4001B Research Project Part B <input type="checkbox"/>	CEME 4050 Design Practice <input type="checkbox"/>	CEME 4003 Wind and Earthquake Engineering <input type="checkbox"/>	ENG 3004 Interdisciplinary Professional Practice <input type="checkbox"/>

Core Courses

Electives Table

CHOOSE FROM THE FOLLOWING ENGINEERING ELECTIVES			
S2	CEME 1002 - Introduction to Infrastructure <input type="checkbox"/>	CEME 1003 - Resources and Energy in a Circular Economy <input type="checkbox"/>	CEME 2005 Transportation Engineering & Survey <input type="checkbox"/> C&ENVENG 4085 Traffic Engineering & Design <input type="checkbox"/>

NOTES

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

Maths: 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.

Internships: The 8 weeks of internship must be supervised by a qualified engineer and may be completed in one placement or a series of placements. The Faculty recommends students undertake internships upon commencement of third year engineering courses. Enrolment into 6 unit internship course opens from S1 2021. Internships are self-sourced and resources are available through [Careers Service](#). Register with CareerHub to access a database where opportunities are posted.

General Electives: How to choose an elective course in your area of interest? Please refer to the steps via the link: <https://ecms.adelaide.edu.au/study-with-us/student-support/enrolment>

Program Rules: For academic program rules please refer to the following website: <https://calendar.adelaide.edu.au/faculty/ecms>

Information and Enrolment Advice:

Ask ECMS

Email: askecms@adelaide.edu.au

Website: <https://ecms.adelaide.edu.au/study-with-us/student-support>