

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 or MECH ENG 1007 Engineering Mechanics - Dynamics <input type="checkbox"/>	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"/>	ENG 3004 Systems Engineering and Industry Practice <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 Methods & 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 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"/>	Engineering Elective (see elective table) <input type="checkbox"/>
Core Course		Elective (see table)		

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

Electives Table

CHOOSE FROM THE FOLLOWING ENGINEERING ELECTIVES					
S2	CHEM ENG 4051 C&ENVENG 4110	Water and Wastewater Engineering Soil and Ground Water Remediation	TBC	CEME 4001 CEME 4002 CEME 4007 ENG 4011	Advanced Reinforced Concrete Design Finite Element Theory and Practice Unsaturated Soils Engineering Geology

NOTES

Internship: 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. Internships are self-sourced and resources are available through [Careers Service](#). Register with CareerHub to access a database where opportunities are posted

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>