

Master of Engineering (Civil & Structural)

Year 1			
S1	C&ENVENG 7020 Computer Analysis of Structural Dynamics <input type="checkbox"/>	C&ENVENG 7005 Reinforced Concrete Design <input type="checkbox"/>	ELEC ENG 7057 Engineering Communication & Critical Thinking <input type="checkbox"/>
S2	C&ENVENG 7007 Structural Steel Design <input type="checkbox"/>	C&ENVENG 7069 Geotechnical Engineering <input type="checkbox"/>	ELEC ENG 7164 Business Management Systems <input type="checkbox"/>
PROJMGNT 5021 Project Management Fundamentals <input type="checkbox"/>			
MATHS 7025 Research Methods and Statistics <input type="checkbox"/>			
Year 2			
S1	C&ENVENG 7049A Masters Civil & Structural Engineering Project Part 1 (6 units) <input type="checkbox"/>	Civil Engineering Elective (see elective table) <input type="checkbox"/>	Civil Engineering Elective (see elective table) <input type="checkbox"/>
S2	C&ENVENG 7049B Masters Civil & Structural Engineering Project Part 2 (6 units) <input type="checkbox"/>	Civil Engineering Elective (see elective table) <input type="checkbox"/>	Civil Engineering Elective (see elective table) <input type="checkbox"/>
Core Courses	Foundation Courses	Elective (see table)	

Elective Table

CHOOSE FROM THE FOLLOWING ENGINEERING ELECTIVES					
S1	C&ENVENG 7112	Advanced Civil Geotechnical Engineering	S2	C&ENVENG 7110	Soil & Groundwater Remediation
	C&ENVENG 7108	Environmental Systems Dynamics		C&ENVENG 7109	Designing Water Resource Systems for Urban Environments
	MECH ENG 7059	Finite Element Analysis of Structures		C&ENVENG 7107	Prestressed concrete structures
	C&ENVENG 7061	Computer Methods of Structural Analysis		<del>C&amp;ENVENG 7085</del>	<del>Traffic Engineering</del> (Not offered 2021)
	C&ENVENG 7077	Engineering Hydrology		C&ENVENG 7079	Water Engineering & Design
				C&ENVENG 7029	Environmental Modelling & Management
TBC	C&ENVENG 7114	Advanced Hydrological Modelling & Water Resource Management			
	C&ENVENG 7115	Advanced Topics in Flood Hydrology			
	C&ENVENG 7047	Analysis of Rivers & Sediment Transport			
	MECH ENG 7023	Fracture Mechanics			
	C&ENVENG 7033	Seismic Design of Masonry Buildings			

NOTES

**Practical Experience:** A total of 12 weeks practical experience approved by the Faculty and of which a minimum 6 weeks should be under the supervision of a professional engineer. Students who have previously completed an approved 12 week period of practical experience are exempt from this requirement.

Information and Enrolment Advice:

Ask ECMS

Email: [askecms@adelaide.edu.au](mailto:askecms@adelaide.edu.au)

**Program Rules:** For academic program rules please refer to the following website:

<https://calendar.adelaide.edu.au/faculty/ecms>

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