

**Master of Engineering Science  
(Management) (Civil Engineering)**

**Study Plan for Commencement in Semester 2**

This study plan is a guide only for students commencing the Master of Engineering Science Management (Civil Engineering) in 2022. Please note that all course selections must adhere to the program course list outlined at UQ Courses and Programs. If you have any questions or concerns regarding your course selections, please speak with an Academic Advisor in the School of Civil Engineering.

**Study Plan**

2022	Semester 2	Elective	Elective	Elective	Elective
	Semester 1	Elective	Elective	Elective	Elective
2023	Semester 2	CIVL7514* Research project	Elective	Elective	Elective
	Semester 1		Elective	Elective	Elective

\*Enrol in CIVL7514 in both semesters

\*CIVL7515 (#4 units) may be taken over one semester and is equivalent to CIVL7514

\*CIVL7501 (#8 units) may be taken in lieu of CIVL7514 and two electives.

**MEngSc (Man)(Civil Engineering) Discipline Elective Courses and MEngSc (Man)(Civil Engineering) Research Project Courses**

	Code	Course title	Sem	Change to course	Comment
MEngSc (Man)(Civil Engineering) Research Project Courses	CIVL7513	Research Project	1		If commencing in Semester 1 - enrol in CIVL7513 in both semesters
	CIVL7514	MEngSc research project courses	2		If commencing in Semester 2 - enrol in CIVL7514 in both semesters
	CIVL7500	Research Thesis	1		CIVL7500 (#8 units) may be taken in lieu of CIVL7513 and two electives. Semester 1 enrolment - CIVL7500 in both semesters
	CIVL7501	Research Thesis	2		CIVL7501 (#8 units) may be taken in lieu of CIVL7514 and two electives. Semester 2 enrolment - CIVL7501 in both semesters
	CIVL7515	Research Project	1+2		CIVL7515 (#4 units) may be taken over one semester and is equivalent to CIVL7513/CIVL7514

MEngSc (Man)(Civil Engineering) Discipline Elective Courses	Transportation Elective Courses				
	CIVL6412	Traffic Behavioural Modelling	2	replaces CIVL4412, CIVL7425	first offered 2022/2
	CIVL6415	Traffic Analysis and Simulation	2	replaces CIVL7435	first offered 2023/2
	CIVL7415	Spatial and Quantitative Methods for Transport Data Analytics	1		
	CIVL7425	Strategic Transport Modelling	1	replaced by CIVL6412	last offered 2021/1
	CIVL7435	Traffic Simulation: Methods and Applications	2	replaced by CIVL6415	last offered 2022/2
	Water and Environment Elective Courses				
	CIVL7131	Urban Hydrology	1		
	CIVL7135	Environmental Sensor Systems and Monitoring Techniques	1	replaced by ENVE6110	last offered 2022/1
	Geotechnical Elective Courses				
	CIVL7215	Ground Improvement & Remediation Technologies	1	replaced by CIVL6215	last offered 2022/1
	CIVL7225	Dam and Embankment Engineering	2	replaced by CIVL6210	last offered 2022/2?
	CIVL7235	Underground Structures	2	replaced by CIVL2530	last offered 2022/2
	Structures Elective Courses				
	CIVL7315	Advanced Concrete Structures and Concrete Technology	2		
	CIVL7360	Computational Design and Digital Workflows	2		
	Fire Safety Elective Courses				
	FIRE7600	Introduction to Fire Safety Engineering	1		
	FIRE7620	Fire Dynamics	2		
	FIRE7660	Structural Fire Engineering	1		
Multidisciplinary Elective Course					
CIVL7505	Research Methods for Civil Engineers	2			