

62550 Master of Professional Engineering Civil Engineering (SP-ECIVI)

2 Year Course Study Plan – Commencing Semester 1, 2021

The Level 1, 2 and 3 prerequisites listed below apply to students undertaking preparatory units in the 2 – 3 year MPE.
Students enrolling in the 2-year MPE with 48 points block credit have already satisfied the Level 1, 2 and 3 prerequisites.
Level 4 and 5 prerequisites apply to all students.

Year 1				
Semester 1, 2021	CIVL4401 Applied Geomechanics <i>Prereq: ENSC3009</i>	CIVL4402 Civil Hydraulics <i>Prereq: ENSC3010 or ENSC3003</i>	OPTION	CIVL4404 Structural Steel <i>Prereq: ENSC3004</i>
Semester 2, 2021	CIVL4403 Structural Concrete <i>Prereq: ENSC3004</i>	OPTION	GENG4405 Numerical Methods and Modelling <i>Prereq: CITS2401</i>	GENG5505* Project Management and Engineering Practice <i>Prereq: ENSC1001 or ENSC1003</i>
It is recommended students undertake some practical work experience during the summer break to satisfy the GENG5010 Professional Engineering Portfolio				
Year 2				
Semester 1, 2022	GENG5514 Finite Element Method <i>Prereq: ENSC3003, ENSC3004 and GENG4405</i>	CIVL5551 Civil Engineering Design Project 1 <i>Prereq: ENSC3009 and ENSC3010.</i> <i>Coreq: GENG5505</i>	OPTION	GENG5511* Engineering Research Project Part 1 <i>Prereq: 24 points of L4/L5 units</i>
Semester 2, 2022	OPTION	CIVL5552 Civil Engineering Design Project 2 <i>Prereq: ENSC3008. Coreq: GENG5505</i>	GENG5507* Risk, Reliability and Safety <i>Prereq: MATH1011 and MATH1012</i>	GENG5512* Engineering Research Project Part 2 <i>Prereq: GENG5511</i>
It is recommended students undertake some practical work experience during the summer break to satisfy the GENG5010 Professional Engineering Portfolio				

*unit is available in Semester 1 and Semester 2

Optional Units: Students take units to the value of 24 points from this group:	
BUSN5100 Applied Professional Business Communications (S1, S2)	CIVL5506 Pavement Design (S1)
CIVL5501 Structural Dynamics (S2) <i>Prereq: ENSC3004</i>	ENVE4402 Hydrology (S1)
CIVL5502 Transportation Engineering (S1) <i>Prereq: ENSC1001 and MATH1001</i>	ENVE5502 Wastewater Engineering: Treatment and Resource Recovery (NSTP)
CIVL5503 Underground Construction (NSTP) <i>Prereq: CIVL4401</i>	GENG5501 Coastal and Offshore Engineering (S1) <i>Prereq: ENSC3003 or ENSC3010</i>
CIVL5504 Offshore Geomechanics (NSTP) <i>Prereq: CIVL4401</i>	GENG5502 Environmental Geotechnics (S2) <i>Prereq: ENSC3009</i>

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CIVL5505 Introduction to Design of Offshore Systems (S2)

SVLG5003 Wicked Problems (NSTP)

Note: Enrolment in this unit is subject to approval by the unit coordinators.

The Rules for the 62550 Master of Professional Engineering can be found at: handbooks.uwa.edu.au/rules-62550-MPE

All units have a value of six points unless otherwise stated.

Information about unit availability should be checked at the beginning of each semester and can be found at: timetable.uwa.edu.au or [Handbooks](#).

Further Help!

Refer to the UniStart website for your step-by-step guide on planning your enrolment: uwa.edu.au/unistart. If you need to discuss your study plan further, please contact the EMS Student Service and Engagement Office: enquiries-ems@uwa.edu.au