

62550 Master of Professional Engineering Mining Engineering (SP-EMINI)

2 Year Course Study Plan – Commencing Semester 2, 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				
<i>Semester 2, 2021</i>	MINE4404 Rock Mechanics <i>Prereq: ENSC3004, ENSC3009 and ENSC3011</i>	GENG5505 ★ Project Management and Engineering Practice <i>Prereq: ENSC1003</i>	GENG5507 ★ Risk, Reliability and Safety <i>Prereq: MATH1011 and MATH1012</i>	RECOMMENDED GROUP B OPTION CITS4009 Computational Data Analysis
<i>It is recommended students undertake some practical work experience during the summer break to satisfy the GENG5010 Professional Engineering Portfolio</i>				
<i>Semester 1, 2022</i>	MINE4401 Underground Mining 1 <i>Prereq: ENSC3011</i>	MINE4405 Mineral Resources <i>Prereq: ENSC3011</i>	MINE4503 Surface Mining <i>Prereq: ENSC3011</i>	RECOMMENDED GROUP B OPTION GENG4403 Extractive Metallurgy <i>Prereq: ENSC3011</i>
Year 2				
<i>Semester 2, 2022</i>	GENG5511 ★ Engineering Research Project Part 1 <i>Prereq: 24 points of L4/L5 units</i>	MINE4406 (NS) Geotechnology of Mine Waste <i>Prereq: ENSC3009 and ENSC3011</i>	MINE5502 Underground Mining 2 <i>Prereq: (MINE4503 or MINE5503) and MINE4401</i>	RECOMMENDED GROUP A OPTION MINE5551 Mining Engineering Design Project 1 <i>Prereq: MINE4401, MINE4405 and (MINE4503)</i>
<i>It is recommended students undertake some practical work experience during the summer break to satisfy the GENG5010 Professional Engineering Portfolio</i>				
<i>Semester 1, 2023</i>	GENG5512 ★ Engineering Research Project Part 2 <i>Prereq: GENG5511</i>	GROUP B OPTION	MINE5501 Mining Management <i>Prereq: ENSC3011, MINE4401 and (MINE4503 or MINE5503)</i>	MINE5552 Mining Engineering Design Project 2 <i>Prereq: MINE5502 and MINE5551</i>

KEY: ★ = unit is available in Semester 1 and Semester 2; N/A = unit not available for 2021; NS = unit is delivered during a non-standard teaching period.

Refer to Table of Options overleaf.

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OPTION UNITS

GROUP A: Students take unit to the value of 6 points from this group:

MINE5551 Mining Engineering Design Project 1
Prereq: MINE4401, MINE4405 and MINE4503

SVLG5003 Wicked Problems (N/A)
Enrolment in this unit is subject to approval by the unit coordinators.

GROUP B: Students take units to the value of 18 points from this group:

ACCT5432 Introductory Financial Accounting (S1, S2)

EMPL5511 Employment Relations in a Global Context (S1)

BUSN5100 Applied Professional Business Communications (S1, S2)

GENG4403 Extractive Metallurgy (S1)
Prereq: ENSC3011

CITS4009 Computational Data Analysis (S2)

GENG4405 Numerical Methods and Modelling (S2)
Prereq: CITS2401

CIVL4401 Applied Geomechanics (S1)
Prereq: ENSC3009

GENG5506 Renewable Energy (S2)
Prereq: [ENSC2002 or (ENSC2003 & ENSC2004)] and MATH1012

ECON5541 Economics for Business: Applications and Policy (S1, S2)

HRMT5504 Introduction to Human Resource Management (S1, S2)

EMPL5412 Employment Relations (S1)

MGMT5507 Management and Organisations (S1, S2)

EMPL5450 Advanced Topics in Employment Relations (S2)
Prereq: EMPL5412

MGMT5508 Organisational Behaviour and Leadership (S2)

KEY: S1 = unit is available semester 1; S2 = unit is available semester 2; N/A = unit not available for 2021; NS = unit is delivered during a non-standard teaching period.

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