

# CHECKLIST Bachelor of Engineering (Honours) – Mining and Geotechnical Engineering (2342): Completion of pre-2021 program

Full name: \_\_\_\_\_ Student Number: \_\_\_\_\_ Date: \_\_\_\_\_

## Points to note

- You need to ensure that you meet minimum program and major requirements (listed below)
- You cannot count the same course twice
- You need to ensure that you don't take courses that are incompatible with courses that you have already counted towards your program, and that any prerequisites have been met

You must complete for the BE(Hons) (Mining & Geotechnical Engineering Plan code: MINGEW2342), 64 units comprising -

- 60 units, being all courses from part A – compulsory (listed below), and
- 4 units from electives

Tick the courses you have completed and nominate the alternative course you plan to choose (if required). Discontinued courses are coloured red.

✓/X compl.	Pre-2021 Part A list	#	Last offered	If NOT completed – you can choose*:	Sem offering	#	First offered	✓/X compl.
	60 units, being all courses from: Part A - Compulsory							
	ENGG1100 Engineering Design (2) and ENGG1200 Engineering Modelling & Problem Solving (2) (discontinued) OR ENGG1211 Engineering Design, Modelling & Problem Solving (4) (discontinued)	2 2 4	2/20 2/20	ENGG1100 Professional Engineering and * if you have not completed ENGG1200, please contact EAIT Student Admin	1,2	2		
	MATH1051 Calculus & Linear Algebra I OR MATH1071 Advanced Calculus & Linear Algebra I	2		MATH1051 Calculus & Linear Algebra I OR MATH1071 Advanced Calculus & Linear Algebra I	1,2	2		
	MATH1052 Multivariate Calculus & Ordinary Differential Equations OR MATH1072 Advanced Multivariate Calculus & Ordinary Differential Equations	2		MATH1052 Multivariate Calculus & Ordinary Differential Equations OR MATH1072 Advanced Multivariate Calculus & Ordinary Differential Equations	1,2	2		
	ENGG1400 Engineering Mechanics: Statics & Dynamics (discontinued)	2	2/20	ENGG1700 Statics & Materials (NEW)	1,2	2	1/21	
	ERTH1501 Earth Processes & Geological Materials for Engineers	2		ERTH1501 Earth Processes & Geological Materials for Engineers	1,2	2		
	MATH2000 Calculus & Linear Algebra II (discontinued) or MATH2001 Advanced Calculus & Linear Algebra II	2	2/21	MATH2001 Calculus & Linear Algebra II	1,2,S	2		
	MECH2410 Fundamentals of Fluid Mechanics	2		MECH2410 Fundamentals of Fluid Mechanics	1,2	2		
	MINE2105 Introduction to Mining and Mineral Processing (discontinued)	2	1/21	Any BE Elective	1	2		
	MECH2300 Structures & Materials	2		MECH2300 Structures & Materials	1	2		
	CIVL2210 Soil Mechanics	2		CIVL2210 Soil Mechanics	1	2		
	ERTH2004 Structural Geology	2		ERTH2004 Structural Geology		2		
	MINE2106 Resource Geology & Mine Surveying (discontinued)	2	2/21	Any BE Elective	1	2		
	STAT2203 Probability Models and Data Analysis for Engineering	2		STAT2203 Probability Models and Data Analysis for Engineering	2	2		
	CIVL4270 Geotechnical Investigation & Testing	2		CIVL4270 Geotechnical Investigations	1	2		

✓ - course already completed X – course to be undertaken

Checked by (Faculty: Name and Date): \_\_\_\_\_

	<b>MINE3120</b> Resource Estimation (discontinued)	2	1/22	<b>MINE3110</b> Integrated Orebody Knowledge, NEW	2	2	2/23	
	<b>MINE3121</b> Mining Geomechanics (discontinued) OR <b>MINE3129</b> Applied Mining Geomechanics	2	1/21	<b>METL3129</b> Applied Mining Geomechanics	1	2	1/22	
	<b>MINE3122</b> Mining Systems	2	1/22	<b>MINE3122</b> Mining Systems and Automation	2	2	2/23	
	<b>ERTH3250</b> Hydrogeology	2		<b>ERTH3250</b> Hydrogeology	2	2		
	<b>MINE3123</b> Mine Planning	2	2/22	<b>MINE3123</b> Mine Planning and Sustainability	1	2	1/23	
	<b>MINE3124</b> Mine Ventilation (discontinued)	2	2/22	<b>MECH3400</b> Thermodynamics and Heat Transfer	1	2		
	<b>MINE3125</b> Explosives and Blasting Engineering (discontinued)	2	2/22	<b>MINE4129</b> Mine Process Optimization, NEW	2	2	2/23	
	<b>MECH4500</b> Engineering Thesis (discontinued) or <b>MECH4501</b> Engineering Thesis (discontinued)	2	2/20 2/20	<b>ENGG4600</b> Engineering Thesis or <b>ENGG4601</b> Engineering Thesis	2	2		
	<b>MINE4120</b> Mine Geotechnical Engineering (discontinued)	2	1/23	<b>MINE3109</b> Special Topics in Mining	2	2	1/24	
	<b>MINE4124</b> Hard Rock Mine Design & Feasibility	2	1/23	<b>MINE4124</b> Mine Design and Feasibility	2	2	2/24	
	<b>MINE4128</b> Coal Mine Strata Control (discontinued)	2	1/23	Any BE Elective at the same level or higher		2		
	<b>CIVL4280</b> Advanced Rock Mechanics	2	2/22	<b>CIVL4280</b> Advanced Rock Mechanics	2	2		
	<b>ENGG4900</b> Professional Practice and the Business Environment	2		<b>ENGG4900</b> Professional Practice and the Business Environment	1	2		
	<b>MINE4125</b> Coal Mine Design and Feasibility (discontinued)	2	2/23	Any BE Elective at the same level or higher	1,2	2		
<b>Part A units completed pre-2021:</b>					<b>Part A units to be substituted/completed:</b>			
					<b>Total Part A (must add up to 60 units):</b>			

✓/X compl.	Part B0 - Preparatory Mathematics & Science Electives	#	Last offered	If NOT completed – you can choose*:	Sem offering	#	First offered	✓/X compl.
✓	4 units from Electives			4 units from Electives				
	<b>CHEM1090</b> Introductory Chemistry	2		<b>CHEM1090</b> Introductory Chemistry	1	2		
	<b>MATH1050</b> Mathematical Foundations	2		<b>MATH1050</b> Mathematical Foundations	1,2	2		
	<b>PHYS1171</b> Physical Basis of Biological Systems	2		<b>PHYS1171</b> Physical Basis of Biological Systems	1,2	2		

Once you have completed the checklist, you may either email your checklist to the Faculty on [enquiries@eit.uq.edu.au](mailto:enquiries@eit.uq.edu.au) or book an appointment with an Academic Advisor directly.

**BE(Hons) Transition Plan – Mining & Geotechnical continuation**

**Checked by (Faculty: Name and Date):** \_\_\_\_\_

✓/X compl.	Part B1 - Introductory Electives	#	Last offered	If NOT completed – you can choose*:	Sem offering	#	First offered	✓/X compl.
	<b>CHEM1100</b> Chemistry 1	2		<b>CHEM1100</b> Chemistry 1	1,2	2		
	<b>CSSE1001</b> Introduction to Software Engineering	2		<b>CSSE1001</b> Introduction to Software Engineering <b>OR</b> <b>ENGG1001</b> Programming for Engineers (NEW)	1,2 1,2	2	<b>1/21</b>	
	<b>ENGG1500</b> Engineering Thermodynamics	2		<b>ENGG1500</b> Engineering Thermodynamics	1,2	2		
	<b>ENGG1600</b> Introduction to Research Practices - The Big Issues	2		<b>ENGG1600</b> Introduction to Research Practices - The Big Issues	2	2		
	<b>ENGG2000</b> Humanitarian Engineering	2		<b>ENGG2000</b> Humanitarian Engineering	2	2		
	<b>PHYS1002</b> Electromagnetism and Modern Physics	2		<b>PHYS1002</b> Electromagnetism and Modern Physics (semester 2 only from 2022)	1,2	2		

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