

CHECKLIST Bachelor of Engineering (Honours) – Mining 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
- 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 Engineering) - a Single Major (Plan code: MININX2342) or Extended Major (Plan code: MININY2342), 64 units comprising -

- a major - 52 units, being all courses from part A (listed below); and
- 12 units from electives
 - a minimum of 6 units from courses on the BE(Hons) list, other than courses on the Mining Engineering part B0 list, and
 - a maximum of 4 units from courses on the Mining Engineering part B0 list, and
 - a maximum of 4 units from level one courses not on the BE(Hons) list

OR

- an extended major - 60 units, comprising-
 - 52 units, being all courses from part A - compulsory; and
 - 8 units as set out in part B electives under Extended Major; and
- 4 units from electives.

PART A

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.
	52 units for all: 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		
	ENGG1300 Introduction to Electrical Systems	2		ENGG1300 Introduction to Electrical Systems	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		
	MECH2410 Fundamentals of Fluid Mechanics	2		MECH2410 Fundamentals of Fluid Mechanics	1	2		
	MINE2105 Introduction to Mining and Mineral Processing (discontinued)	2	1/21	Any BE Elective at the same level or higher	1,2	2		
	MECH2300 Structures & Materials	2		MECH2300 Structures & Materials	1	2		

✓ - course already completed X – course to be undertaken

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	CIVL2210 Soil Mechanics	2		CIVL2210 Soil Mechanics	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		
	MINE2106 Resource Geology & Mine Surveying (discontinued)	2	1/21	ERTH2004 Structural Geology	1	2		
	STAT2203 Probability Models and Data Analysis for Engineering	2		STAT2203 Probability Models and Data Analysis for Engineering	2	2		
	MINE3120 Resource Estimation (discontinued)	2	1/22	MINE3110 Integrated Orebody Knowledge, NEW	2	2	2/23	
	MINE3121 Mining Geomechanics (discontinued)	2	1/22	MINE3129 Applied Mining Geomechanics	1	2	1/23	
	MINE3122 Mining Systems	2	1/22	MINE3122 Mining Systems and Automation	2	2	2/23	
	MINE3123 Mine Planning	2	2/22	MINE3123 Mine Planning and Sustainability	1	2	1/23	
	MINE3124 Mine Ventilation (discontinued)	2	2/22	MECH3400 Thermodynamics and Heat Transfer	1	2		
	MINE3125 Explosives and Blasting Engineering (discontinued)	2	1/22	MINE4129 Mine Process Optimization, NEW	2	2	2/23	
	MECH4500 Engineering Thesis (discontinued) or MECH4501 Engineering Thesis (discontinued)	4	2/20 2/20	ENGG4600 Engineering Thesis or ENGG4601 Engineering Thesis	1 2	4		
	MINE4120 Mine Geotechnical Engineering (discontinued)	2	1/23	MINE3109 Special Topics in Mining	1,2	2		
	MINE4124 Hard Rock Mine Design & Feasibility	2	1/23	MINE4124 Mine Design and Feasibility	2	2	2/24	
	ENGG4900 Professional Practice and the Business Environment	2		ENGG4900 Professional Practice and the Business Environment	1,2	2		
	MINE4125 Coal Mine Design and Feasibility (discontinued)	2	2/23	Any BE Elective	1,2	2		
Part A units completed pre-2021:				Part A units to be substituted/completed:				
				Total Part A (must add up to 52 units):				

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

BE(Hons) Transition Plan – Mining continuation

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PART B

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

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

✓/X compl.	Part B2 - Electives	#	Last offered	If NOT completed – you can choose*:	Sem offering	#	First offered	✓/X compl.
	CIVL3210 Geotechnical Engineering	2		CIVL3210 Geotechnical Engineering	1	2		
	ENGG4103 Engineering Asset Management	2		ENGG4103 Engineering Asset Management	1	2		
	ERTH3203 Energy Resources	2		ERTH3203 Energy Resources	1	2		
	ERTH3301 Ore Body Modelling	2		ERTH3301 Ore Body Modelling	2	2		
	MECH6480 Computational Fluid Dynamics	2		MECH6480 Computational Fluid Dynamics	2	2		
	METR3100 Control System Implementation	2		METR3100 Control System Implementation	1	2		
	MINE3109 Special Topics in Mining II	2		MINE3109 Special Topics in Mining II	1,2	2		
	MINE3126 Underground Mining Systems (discontinued)	2	2/22	Any BE Elective at the same level or higher		2		

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	MINE3127 Socio-Environmental Aspects of Mining (discontinued)	2	2/22	Any BE Elective at the same level or higher		2		
	MINE3128 Surface Mining Systems (discontinued)	2	2/22	Any BE Elective at the same level or higher		2		
	MINE4128 Coal Mine Strata Control (discontinued)	2	2/22	Any BE Elective at the same level or higher		2		

✓/X compl.	Extended major Students enrolled in the extended major are required to complete 8 units from the courses listed below -	#	Last offered	If NOT completed – you can choose*:	Sem offering	#	First offered	✓/X compl.
	CIVL3210 Geotechnical Engineering	2		CIVL3210 Geotechnical Engineering	1	2		
	ENGG4103 Engineering Asset Management	2		ENGG4103 Engineering Asset Management	1	2		
	MINE3109 Special Topics in Mining II	2		MINE3109 Special Topics in Mining II	1,2	2		
	MINE3126 Underground Mining Systems (discontinued)	2	2/22	No replacement		2		
	MINE3127 Socio-Environmental Aspects of Mining (discontinued)	2	2/22	No replacement		2		
	MINE3128 Surface Mining Systems (discontinued)	2	2/22	No replacement		2		
	MINE4128 Coal Mine Strata Control (discontinued)	2	2/22	No replacement		2		

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