

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

IMPORTANT Notes:

- The information contained in this document is intended as general advice only. Students must follow the program rules & requirements listed on the [Programs and Courses Website](#) relevant to the year they commence. This planner must be used in conjunction with your program duration course list and program rules.
- Students need to check future course offerings, prerequisites, incompatibilities and restrictions for all courses as these are subject to change.
- Students cannot take courses that are incompatible with courses already counted towards their program, and cannot count the same course twice.

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

- (i) 60 units, being all courses from [part A](#) – compulsory (listed below), and
- (ii) 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
60 units 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	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	

Once you have completed the BE(Hons) Transition Plan – Mining & Geotechnical Continuation 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.

	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	
	MINE3120 Resource Estimation (discontinued)	2	1/22	MINE3110 Integrated Orebody Knowledge	2	2	2/23
	MINE3121 Mining Geomechanics (discontinued) OR MINE3129 Applied Mining Geomechanics	2	1/21	METL3219 Process Mineralogy and Comminution	1	2	1/22
	MINE3122 Mining Systems	2	1/22	MINE3122 Mining Systems and Automation	2	2	2/23
	ERTH3250 Hydrogeology	2		ERTH3250 Hydrogeology	2	2	
	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	2/22	MINE4129 Mine Process Optimization	2	2	2/23
	MECH4500 Engineering Thesis (discontinued) or MECH4501 Engineering Thesis (discontinued)	2	2/20 2/20	ENGG4600 Engineering Thesis or ENGG4601 Engineering Thesis	2	2	
	MINE4120 Mine Geotechnical Engineering (discontinued)	2	1/23	MINE3109 Special Topics in Mining	2	2	1/24
	MINE4124 Hard Rock Mine Design & Feasibility	2	1/23	MINE4124 Mine Design and Feasibility	2	2	2/24
	MINE4128 Coal Mine Strata Control (discontinued)	2	1/23	Replacement tbc		2	
	CIVL4280 Advanced Rock Mechanics	2	2/22	CIVL6250 Underground Structures	2	2	2/23
	ENGG4900 Professional Practice and the Business Environment (discontinued)	2	2/23	ENGG4901 Professional Practice and the Business Environment A or ENGG4902 Professional Practice and the Business Environment B	1 2	2	1/24
	MINE4125 Coal Mine Design and Feasibility (discontinued)	2	2/23	MINE3109 Special Topics in Mining	2	2	1/24

✓/x compl.	Part B0 - Preparatory Mathematics & Science Electives	#	Last offered	If NOT completed – you can choose*:	Sem offering	#	First offered
	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	

Once you have completed the BE(Hons) Transition Plan – Mining & Geotechnical Continuation checklist, you may either email your checklist to the Faculty on enquiries@eait.uq.edu.au or book an appointment with an Academic Advisor directly.

✓/✗ compl.	Part B1 - Introductory Electives	#	Last offered	If NOT completed – you can choose*:	Sem offering	#	First offered
	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)	2	2	

Once you have completed the BE(Hons) Transition Plan – Mining & Geotechnical Continuation checklist, you may either email your checklist to the Faculty on enquiries@eait.uq.edu.au or book an appointment with an Academic Advisor directly.