

CHECKLIST Bachelor of Engineering (Honours)/Master of Engineering – Chemical & Materials Engineering (2350): 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)/ME (Chemical & Materials Engineering Plan code: CHMATW2342), 80 units comprising -

- 74 units being all courses from part A – compulsory (listed below), and
- 2 units from part N – electives, and
- 4 units from electives, being courses on the BE(Hons)/ME list or courses which are chosen from any other undergraduate program course list at the university

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.
	74 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 for replacement	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		
	CHEM1100 Chemistry 1	2		CHEM1100 Chemistry 1	1,2	2		
	ENGG1500 Engineering Thermodynamics	2		ENGG1500 Thermodynamics: Energy and the Environment	1,2	2		
	CHEE2001 Process Principles	2		CHEE2001 Process Principles	1,2	2		
	CHEM1200 Chemistry 2	2		CHEM1200 Chemistry 2	1,2,S	2		
	MATH2000 Calculus & Linear Algebra II (discontinued) OR MATH2001 Advanced Calculus & Linear Algebra II	2	2/20	MATH2001 Calculus & Linear Algebra II	1,2,S	2		
	MECH2300 Structures & Materials or MECH2305 Introduction to Engineering Design and Manufacturing	2		MECH2300 Structures & Materials or MECH2305 Introduction to Engineering Design and Manufacturing	2	2		
	CHEE2003 Fluid & Particle Mechanics	2		CHEE2003 Fluid & Particle Mechanics (moved to semester 1 in 2022)	1	2	1/22	
	CHEE2010 Engineering Investigation & Statistical Analysis	2		CHEE2010 Engineering Investigation & Statistical Analysis (moved to semester 1 in 2022)	1	2	1/22	
	CHEM2056 Physical Chemistry for Engineering	2		CHEM2056 Physical Chemistry for Engineering (moved to semester 1 in 2022)	1	2	1/22	

✓ - course already completed X – course to be undertaken

Checked by (Faculty: Name and Date): _____

	MECH2310 Science & Engineering of Metals	2		MECH2310 Science & Engineering of Metals	2	2		
	CHEE3002 Heat & Mass Transfer (discontinued)	2	1/22	CHEE2040 Heat & Mass Transfer	2	2	2/22	
	CHEE3003 Chemical Thermodynamics (discontinued)	2	1/22	CHEE2030 Chemical Thermodynamics	2	2	2/22	
	CHEE3020 Process Systems Analysis	2		CHEE3020 Process Systems Analysis (*moves to semester 2 in 2023)	1*	2		
	CHEE3301 Polymer Engineering	2		CHEE3301 Polymer Engineering	1	2		
	CHEE3004 Unit Operations	2		CHEE3004 Unit Operations (moves to semester 1 in 2023)	2**	2		
	CHEE3005 Reaction Engineering	2		CHEE3005 Reaction Engineering (moves to semester 1 in 2023)	2**	2		
	CHEE3007 Process Modelling & Dynamics	2		CHEE3007 Process Modelling & Dynamics	2	2		
	MECH3301 Materials Selection	2		MECH3301 Materials Selection	2	2		
	CHEE4002 Risk in Process Industries	2		CHEE4002 Risk in Process Industries	1	2		
	CHEE4009 Transport Phenomena	2		CHEE4009 Transport Phenomena	1	2		
	CHEE4060 Process & Control System Synthesis (discontinued)	2	1/23	CHEE2020 Process Equipment & Control Systems (NEW)	2	2	2/22	
	MECH4304 Net Shape Manufacturing	2		MECH4304 Net Shape Manufacturing	1	2		
	ENGG7290 Engineering Placement Semester	8		ENGG7290 Engineering Placement Semester	1,2	8		
	CHEE7111 Advanced Process and System Modelling	2		CHEE7111 Advanced Process and System Modelling	1	2		
	CHEE7113 Whole of Process Optimisation and Control	2		CHEE7113 Whole of Process Optimisation and Control	1	2		
	MATE7013 Advanced Manufacturing	2		MATE7013 Advanced Manufacturing	1	2		
	ENGG4900 Professional Practice and the Business Environment	2		ENGG4900 Professional Practice and the Business Environment	1,2	2		
	CHEE7103 Chemical Engineering ME Design Project	4		CHEE7103 Chemical Engineering ME Design Project	1	4		
	ENGG7701 Engineering Grand Challenges	2		ENGG7701 Engineering Grand Challenges	1,2	2		
Part A units completed pre-2021:				Part A units to be substituted/completed:				
				Total – Part A (must add up to 74 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)/ME Transition Plan – Chemical & Materials Engineering continuation

Checked by (Faculty: Name and Date): _____

PART N

✓/X compl.	2 units from: Part N - Electives	#	Last offered	If NOT completed – you can choose*:	Sem offering	#	First offered	✓/X compl.
	CHEE4301 Nanomaterials (discontinued)	2	2/20	MATE6301 Nanomaterials	2	2	2/21	
	CHEE4302 Electrochemistry & Corrosion (discontinued)	2	2/20	MATE4302 Electrochemistry and Corrosion	2	2	2/21	
	CHEE4305 Biomaterials: Materials in Medicine (discontinued)	2	2/20	BIOE4305 Biomaterials: Materials in Medicine	2	2	2/21	
	CHEE7112 Integrated Safety Design and Management	2		CHEE7112 Integrated Safety Design and Management	1	2		
	MATE7001 Environmental Performance of Materials	2		MATE7001 Environmental Performance of Materials	1	2		

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