

CHECKLIST Bachelor of Engineering (Honours)/Master of Engineering – Chemical & Biological Engineering (2350): 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)/ME (Chemical & Biological Engineering Plan code: CHBIOW2350), 80 units comprising –

- 76 units being all courses from [part A](#) – compulsory (listed below), and
- 2 units from [part N](#) – electives, and
- 2 units from electives, being courses on the BE(Hons)/ME list or other courses approved by the executive dean.

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
76 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 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	
	CHEE1001 Principles of Biological Engineering (discontinued)	2	1/20	BIOE1001 Principles of Biomedical & Bioprocess Engineering	1	2	1/21
	CHEM1100 Chemistry 1	2		CHEM1100 Chemistry 1	1,2	2	
	ENGG1500 Engineering Thermodynamics	2		ENGG1500 Thermodynamics: Energy and the Environment	1,2	2	
	BIOC2000 Biochemistry & Molecular Biology	2		BIOC2000 Biochemistry & Molecular Biology	1	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	
	BIOL2202 Genetics	2		BIOL2202 Genetics	2	2	

Once you have completed the BE(Hons)/ME Transition Plan – Chemical & Biological Engineering 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.

	CHEE2003 Fluid & Particle Mechanics	2		CHEE2003 Fluid & Particle Mechanics (will change to semester 1 in 2022)	1	2	
	CHEE2010 Engineering Investigation & Statistical Analysis	2		CHEE2010 Engineering Investigation & Statistical Analysis (will change to semester 1 in 2022)	1	2	
	CHEM2056 Physical Chemistry for Engineering	2		CHEM2056 Physical Chemistry for Engineering	1	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 (will change to semester 2 in 2023)	2	2	
	CHEE4020 Biomolecular Engineering (discontinued)	2	1/21	BIOE4020 Bioprocess Engineering	1	2	1/22
	CHEE3004 Unit Operations	2		CHEE3004 Unit Operations (will change to semester 1 in 2023)	1	2	
	CHEE3005 Reaction Engineering	2		CHEE3005 Reaction Engineering (will change to semester 1 in 2023)	1	2	
	CHEE3007 Process Modelling & Dynamics	2		CHEE3007 Process Modelling & Dynamics	2	2	
	CHEE4305 Biomaterials: Materials in Medicine (discontinued)	2	2/20	BIOE4305 Biomaterials: Materials in Medicine	2	2	2/21
	CHEE4002 Risk in Process Industries	2		CHEE4002 Risk in Process Industries	1	2	
	CHEE4009 Transport Phenomena	2		CHEE4009 Transport Phenomena	1	2	
	CHEE4034 Cell & Tissue Engineering (discontinued)	2	1/20	BIOE6034 Cell & Tissue Engineering	1	2	1/21
	CHEE4060 Process & Control System Synthesis (discontinued)	2	1/23	CHEE2020 Process Equipment & Control Systems	2	2	2/22
	ENGG7290 Engineering Placement Semester (discontinued)	8	2/22	ENGG7292 Engineering Placement B	2	8	2/23
	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	
	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
	CHEE4028 Metabolic Engineering (discontinued)	2	2/20	CHEE6028 Metabolic Engineering (discontinued)	2	2	2/21
	CHEE7103 Chemical Engineering ME Design Project	4		CHEE7103 Chemical Engineering ME Design Project	1	4	
	ENGG7701 Engineering Grand Challenges	2		ENGG7701 Engineering Grand Challenges	2	2	

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✓/X compl.	Part N - Electives	#	Last offered	If NOT completed – you can choose*:	Sem offering	#	First offered
2 units from Part N - Electives							
	BIOL3004 Genomics & Bioinformatics (discontinued)	2		BIOL3303 Genomics	1	2	1/21
	CHEE7112 Integrated Safety Design and Management	2		CHEE7112 Integrated Safety Design and Management	1	2	
	CHEE7502 Sustainable Bioresource Engineering (discontinued)	2	1/20	CHEE7502 Sustainable Bioresource Engineering (discontinued)	1	2	