

CHECKLIST Bachelor of Engineering (Honours)/Master of Engineering – Chemical & Environmental 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 & Environmental Engineering Plan code: CHENVW2350), 80 units comprising –

- 72 units being all courses from [part A](#) – compulsory (listed below), and
- 4 units from [part N](#) – electives, and
- 4 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
72 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	
	CHEM1100 Chemistry 1	2		CHEM1100 Chemistry 1	1,2	2	
	ENGG1500 Engineering Thermodynamics	2		ENGG1500 Thermodynamics: Energy and the Environment	1,2	2	
	CHEE1001 Principles of Biological Engineering (discontinued)	2	1/20	BIOE1001 Principles of Biomedical & Bioprocess Engineering	1	2	1/21
	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	
	CHEE2003 Fluid & Particle Mechanics	2		CHEE2003 Fluid & Particle Mechanics (moves to semester 1 in 2022)	1	2	
	CHEE2010 Engineering Investigation & Statistical Analysis	2		CHEE2010 Engineering Investigation & Statistical Analysis (moves to semester 1 in 2022)	1	2	

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

	CHEM2056 Physical Chemistry for Engineering	2		CHEM2056 Physical Chemistry for Engineering	1	2	
	CHEE2501 Environmental Systems Engineering I: Processes (discontinued)	2	2/20	ENVE2501 Environmental Systems	2	2	2/21
	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	
	ENVM3103 Regulatory Frameworks for Environmental Management & Planning	2		ENVM3103 Regulatory Frameworks for Environmental Management & Planning	1	2	
	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	
	CIVL3141 Hydrology and Hydrological Risk (discontinued)	2	2/23	GEOS2101 Climatology & Hydrology OR CIVL3155 Hydrology and Free Surface Flows	2	2	2/22
	CHEE3007 Process Modelling & Dynamics OR CIVL3150 Modelling of Environmental Systems (discontinued)	2	2/20	CHEE3007 Process Modelling & Dynamics OR ENVE3150 Environmental System Dynamics and Modelling	1	2	2/21
	CHEE4002 Risk in Process Industries	2		CHEE4002 Risk in Process Industries	2	2	
	CHEE4009 Transport Phenomena	2		CHEE4009 Transport Phenomena	1	2	
	CHEE4060 Process & Control System Synthesis (discontinued)	2	1/23	CHEE2020 Process Equipment & Control Systems	2	2	2/22
	ENGY4000 Energy Systems	2		ENGY4000 Energy Systems	1	2	
	ENGG7290 Engineering Placement Semester (8) (discontinued)	8	2/22	ENGG7290 Engineering Placement Semester (8) (discontinued)	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	
	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
	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	

PART N

✓/X compl.	Part N - Electives	#	Last offered	If NOT completed – you can choose*:	Sem offering	#	First offered
4 units from Part N - Electives							
	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	
	CIVL7131 Urban Hydrology	2		CIVL7131 Urban Hydrology	1	2	
	ENVM7512 Environmental Problem Solving	2		ENVM7512 Environmental Problem Solving	1	2	
	ENVM7524 Carbon & Energy Management	2		ENVM7524 Carbon & Energy Management	2	2	
	MGTS7523 System Dynamics	2		MGTS7523 System Dynamics	2	2	
	TIMS7317 Corporate Sustainability	2		TIMS7317 Corporate Sustainability	1	2	
	WATR7103 Advanced Wastewater and Biosolids Treatment (discontinued)	2	2/22	WATR6103 Advanced Wastewater and Biosolids Treatment	2	2	2/23
	WATR7104 Sewer Networks - Design, Operation and Maintenance	2		WATR7104 Sewer Networks - Design, Operation and Maintenance	2	2	
	WATR7105 Integrated Urban Water Management (discontinued 1/20)	2	1/20	WATR6105 Integrated Urban Water Management (from 1/21)	1	2	1/21
	WATR7106 Emerging Issues in the Urban Water Cycle and Public Health (discontinued 2/20)	2	2/20	WATR6106 Emerging Issues in the Urban Water Cycle and Public Water (from 2/21)	2	2	2/21
	WATR7107 Wastewater Modelling and Control	2		WATR7107 Wastewater Modelling and Control	2	2	
	WATR7109 Drinking Water Supply: Source, Treatment and Distribution (discontinued 1/20)	2	1/20	WATR6109 Drinking Water Supply: Source, Treatment, Distribution (from 1/21)	1	2	1/21

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