

# CHECKLIST Bachelor of Engineering (Honours)/Master of Engineering – Chemical & Environmental 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 & 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	✓/X compl.
	72 units, being all courses from: Part A - compulsory							
	<b>ENGG1100</b> Engineering Design (2) and <b>ENGG1200</b> Engineering Modelling & Problem Solving (2) (discontinued) OR <b>ENGG1211</b> Engineering Design, Modelling & Problem Solving (4) (discontinued)	2 2 4	 2/20 2/20	<b>ENGG1100</b> Professional Engineering and * If you have not completed ENGG1200, please contact EAIT Student Admin for replacement	1,2	2 2		
	<b>MATH1051</b> Calculus & Linear Algebra I OR <b>MATH1071</b> Advanced Calculus & Linear Algebra I	2		<b>MATH1051</b> Calculus & Linear Algebra I OR <b>MATH1071</b> Advanced Calculus & Linear Algebra I	1,2	2		
	<b>MATH1052</b> Multivariate Calculus & Ordinary Differential Equations OR <b>MATH1072</b> Advanced Multivariate Calculus & Ordinary Differential Equations	2		<b>MATH1052</b> Multivariate Calculus & Ordinary Differential Equations OR <b>MATH1072</b> Advanced Multivariate Calculus & Ordinary Differential Equations	1,2	2		
	<b>CHEM1100</b> Chemistry 1	2		<b>CHEM1100</b> Chemistry 1	1,2	2		
	<b>ENGG1500</b> Engineering Thermodynamics	2		<b>ENGG1500</b> Thermodynamics: Energy and the Environment	1,2	2		
	<b>CHEE1001</b> Principles of Biological Engineering (discontinued)	2	1/20	<b>BIOE1001</b> Principles of Biomedical & Bioprocess Engineering	1	2	1/21	
	<b>CHEE2001</b> Process Principles	2		<b>CHEE2001</b> Process Principles	1,2	2		
	<b>CHEM1200</b> Chemistry 2	2		<b>CHEM1200</b> Chemistry 2	1,2,S	2		
	<b>MATH2000</b> Calculus & Linear Algebra II (discontinued) OR <b>MATH2001</b> Advanced Calculus & Linear Algebra II	2	2/20	<b>MATH2001</b> Calculus & Linear Algebra II	1,2,S	2		
	<b>CHEE2003</b> Fluid & Particle Mechanics	2		<b>CHEE2003</b> Fluid & Particle Mechanics (moves to semester 1 in 2022)	2	2		
	<b>CHEE2010</b> Engineering Investigation & Statistical Analysis	2		<b>CHEE2010</b> Engineering Investigation & Statistical Analysis (moves to semester 1 in 2022)	2	2		
	<b>CHEM2056</b> Physical Chemistry for Engineering	2		<b>CHEM2056</b> Physical Chemistry for Engineering	1	2		

✓ - course already completed X – course to be undertaken

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<b>CHEE2501</b> Environmental Systems Engineering I: Processes (discontinued)	2	<b>2/20</b>	<b>ENVE2501</b> Environmental Systems	2	2	<b>2/21</b>	
<b>CHEE3002</b> Heat & Mass Transfer (discontinued)	2	<b>1/22</b>	<b>CHEE2040</b> Heat & Mass Transfer	2	2	<b>2/22</b>	
<b>CHEE3003</b> Chemical Thermodynamics (discontinued)	2	<b>1/22</b>	<b>CHEE2030</b> Chemical Thermodynamics	2	2	<b>2/22</b>	
<b>CHEE3020</b> Process Systems Analysis	2		<b>CHEE3020</b> Process Systems Analysis (will change to semester 2 in 2023)	1	2		
<b>ENVM3103</b> Regulatory Frameworks for Environmental Management & Planning	2		<b>ENVM3103</b> Regulatory Frameworks for Environmental Management & Planning	1	2		
<b>CHEE3004</b> Unit Operations	2		<b>CHEE3004</b> Unit Operations (will change to semester 1 in 2023)	2	2		
<b>CHEE3005</b> Reaction Engineering	2		<b>CHEE3005</b> Reaction Engineering (will change to semester 1 in 2023)	2	2		
<b>CIVL3141</b> Hydrology and Hydrological Risk (discontinued)	2	<b>2/23</b>	<b>GEOS2101 Climatology &amp; Hydrology</b> <b>OR CIVL3155</b>	2	2	<b>2/22</b>	
<b>CHEE3007</b> Process Modelling & Dynamics <b>OR CIVL3150</b> Modelling of Environmental Systems (discontinued)	2	<b>2/20</b>	<b>CHEE3007</b> Process Modelling & Dynamics <b>OR ENVE3150</b> Environmental System Dynamics and Modelling (NEW)	1	2	<b>2/21</b>	
<b>CHEE4002</b> Risk in Process Industries	2		<b>CHEE4002</b> Risk in Process Industries	2	2		
<b>CHEE4009</b> Transport Phenomena	2		<b>CHEE4009</b> Transport Phenomena	1	2		
<b>CHEE4060</b> Process & Control System Synthesis (discontinued)	2	<b>1/23</b>	<b>CHEE2020</b> Process Equipment & Control Systems (NEW)	1,2	2	<b>2/22</b>	
<b>ENGY4000</b> Energy Systems	2		<b>ENGY4000</b> Energy Systems	1	2		
<b>ENGG7290</b> Engineering Placement Semester (8)	8		<b>ENGG7290</b> Engineering Placement Semester (8)	1,2	8		
<b>CHEE7111</b> Advanced Process and System Modelling	2		<b>CHEE7111</b> Advanced Process and System Modelling	1	2		
<b>CHEE7113</b> Whole of Process Optimisation and Control	2		<b>CHEE7113</b> Whole of Process Optimisation and Control	1	2		
<b>ENGG4900</b> Professional Practice and the Business Environment	2		<b>ENGG4900</b> Professional Practice and the Business Environment	1,2	2		
<b>CHEE7103</b> Chemical Engineering ME Design Project	4		<b>CHEE7103</b> Chemical Engineering ME Design Project	1	4		
<b>ENGG7701</b> Engineering Grand Challenges	2		<b>ENGG7701</b> Engineering Grand Challenges	2	2		
<b>Part A units completed pre-2021:</b>			<b>Part A units to be substituted/completed:</b>				
			<b>Total – Part A (must add up to 72 units):</b>				

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

**BE(Hons)/ME Transition Plan – Chemical & Environmental Engineering continuation**

**Checked by (Faculty: Name and Date):** \_\_\_\_\_

## PART N

✓/X compl.	4 units from: Part N - Electives	#	Last offered	If NOT completed – you can choose*:	Sem offering	#	First offered	✓/X compl.
	CHEE7112 Integrated Safety Design and Management	2		CHEE7112 Integrated Safety Design and Management	1	2		
	CHEE7502 Sustainable Bioresource Engineering	2		CHEE7502 Sustainable Bioresource Engineering	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	2		WATR7103 Advanced Wastewater and Biosolids Treatment	2	2		
	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	

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