CHECKLIST Bachelor of Engineering (Honours)/Master of Engineering – Chemical & Biological 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 havebeen met

You must complete for the BE(Hons)/ME (Chemical & Biological Engineering Plan code: CHBIOW2350), 80 units comprising -

1. 76 units being all courses from part A – compulsory (listed below), and
2. 2 units from part N – electives, and
3. 2 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.
	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	**1/22**	
	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	2	2	**1/22**	

✓ - course already completed **X** – course to be undertaken **Checked by (Faculty: Name and Date):** _____

				semester 1 in 2022)				
	CHEM2056 Physical Chemistry for Engineering	2		**CHEM2056** Physical Chemistry for Engineering (moved to semester 1 in 2022)	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 (m*moves to semester 2 in 2023)	1*	2		
	CHEE4020 Biomolecular Engineering (discontinued)	2	**1/21**	***BIOE4020*** *Bioprocess Engineering*	1	2	**1/22**	
	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		
	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 (NEW)*	2	2	**2/22**	
	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		
	ENGG4900 Professional Practice and the Business Environment	2		**ENGG4900** Professional Practice and the Business Environment	1,2	2		
	CHEE4028 Metabolic Engineering (discontinued)	2	**2/20**	***BIOE6028*** *Metabolic Engineering*	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		
	Part A units completed pre-2021:			**Part A units to be substituted/completed:**				
				Total – Part A (must add up to 56 units):				

Once you have completed the 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.

✓/X compl.	2 units from: Part N - Electives	#	Last offered	If NOT completed – you can choose*:	Sem offering	#	First offered	✓/X compl.
	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	2		**CHEE7502** Sustainable Bioresource Engineering	1	2		

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