

# CHECKLIST Bachelor of Engineering (Honours)/Master of Engineering – Electrical & Computer 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 (Electrical & Computer Engineering Plan code: ELECEX2350), 80 units comprising -

- 60 units from part A - compulsory (listed below), and
- 16 units from the combination of parts B,C, and N - electives, with
  - a minimum of 8 units from part B (including at least 4 units at level four), and
  - a minimum of 4 units from part N, and
- 4 units from electives, being courses on the BE(Hons)/ME list or other courses approved by the executive dean, with:

## 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.
	60 units 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	 <b>2/20</b> <b>2/20</b>	<b>ENGG1100</b> Professional Engineering and * Please contact EAIT Student Admin for ENGG1200 replacement	1,2	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>CSSE1001</b> Introduction to Software Engineering	2		<b>CSSE1001</b> Introduction to Software Engineering OR <b>ENGG1001</b> Programming for Engineers (NEW)	1,2 1,2	2	1/21	
	<b>ENGG1300</b> Introduction to Electrical Systems	2		<b>ENGG1300</b> Introduction to Electrical Systems	1,2	2		
	<b>PHYS1002</b> Electromagnetism and Modern Physics	2		<b>PHYS1002</b> Electromagnetism and Modern Physics (semester 2 only from 2022)	1,2	2		
	<b>CSSE2002</b> Programming in the Large	2		<b>CSSE2002</b> Programming in the Large	1,2	2		
	<b>CSSE2010</b> Introduction to Computer Systems	2		<b>CSSE2010</b> Introduction to Computer Systems	1,2	2		
	<b>ELEC2003</b> Electromechanics & Electronics (discontinued)	2	1/21	<b>ELEC2300</b> Fundamentals of Electromagnetism & Electromechanics NEW	1	2	1/22	
	<b>MATH2001</b> Advanced Calculus & Linear Algebra II	2		<b>MATH2001</b> Calculus & Linear Algebra II	1,2,S	2		
	<b>CSSE2310</b> Computer Systems Principles and Programming	2		<b>CSSE2310</b> Computer Systems Principles and Programming	1,2	2		

✓ - course already completed X – course to be undertaken

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

	<b>ELEC2004</b> Circuits, Signals & Systems	2		<b>ELEC2004</b> Circuits, Signals & Systems	2	2		
	<b>ENGG2800</b> Team Project I	2		<b>ENGG2800</b> Team Project I	1,2	2		
	<b>MATH2010</b> Analysis of Ordinary Differential Equations AND <b>STAT2202</b> Probability Models for Engineering & Science (discontinued)	1 1	<b>2/20</b>	<b>MATH2010</b> Analysis of Ordinary Differential Equations AND <b>STAT2201</b> Analysis of Eng. & Scientific Data (1) or <b>STAT2203</b> Probability Models and Data Analysis for Engineering (2)	1,2 1,2 2	1 1 2		
	<b>CSSE3010</b> Embedded Systems Design & Interfacing	2		<b>CSSE3010</b> Embedded Systems Design & Interfacing	1,2	2		
	<b>ELEC3004</b> Signals, Systems & Control	2		<b>ELEC3004</b> Circuits, Signals and Systems	1	2		
	<b>ELEC3400</b> Electronic Circuits (discontinued)	2	<b>1/21</b>	<b>ELEC2400</b> Electronic Devices & Circuits (NEW)	1	2	<b>1/22</b>	
	<b>CSSE4010</b> Digital System Design	2		<b>CSSE4010</b> Digital System Design	1,2	2		
	<b>ELEC3100</b> Fundamentals of Electromagnetic Fields & Waves	2		<b>ELEC3100</b> Fundamentals of Electromagnetic Fields & Waves	2	2		
	<b>ENGG3800</b> Team Project II	2		<b>ENGG3800</b> Team Project II	2	2		
	<b>CSSE4011</b> Advanced Embedded Systems	2		<b>CSSE4011</b> Advanced Embedded Systems	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>COMP3506</b> Algorithms & Data Structures	2		<b>COMP3506</b> Algorithms & Data Structures	2	2		
	<b>CSSE7610</b> Concurrency: Theory and Practice	2		<b>CSSE7610</b> Concurrency: Theory and Practice	2	2		
	<b>ENGG7290</b> Engineering Placement Semester(discontinued)	8	<b>2/22</b>	<b>ENGG7291</b> Engineering Placement A (NEW)	1,2	8	<b>1/23</b>	
	<b>ENGG7701</b> Engineering Grand Challenges	2		<b>ENGG7701</b> Engineering Grand Challenges	2	2		
	16 units from the combination of parts B,C, and N - electives			16 units from the combination of parts B,C, and N - electives				
<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 60 units):</b>				

## PART B

✓/x compl.	Part B - Electives	#	Last offered	If NOT completed – you can choose*:	Sem offering	#	First offered	✓/x compl.
	<b>COMP3301</b> Operating Systems Architecture	2		<b>COMP3301</b> Operating Systems Architecture	2	2		
	<b>COMP3506</b> Algorithms & Data Structures	2		<b>COMP3506</b> Algorithms & Data Structures	2	2		
	<b>COMP3702</b> Artificial Intelligence	2		<b>COMP3702</b> Artificial Intelligence	2	2		
	<b>COMP3710</b> Pattern Recognition and Analysis	2		<b>COMP3710</b> Pattern Recognition and Analysis	2	2		
	<b>COMP4702</b> Machine Learning	2		<b>COMP4702</b> Machine Learning	2	2		
	<b>COMS3000</b> Information Security (discontinued)	2	<b>2/20</b>	<b>CYBR3000</b> Information Security	2	2	<b>2/21</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 – Electrical & Computer continuation**

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

	<b>COMS3200</b> Computer Networks I	2		<b>COMS3200</b> Computer Networks I	1	2		
	<b>COMS4103</b> Photonics (discontinued)	2	1/20	<b>COMS4113</b> Photonics	1	2	1/21	
	<b>COMS4104</b> Microwave Engineering	2		<b>COMS4104</b> Microwave Engineering	1	2		
	<b>COMS4105</b> Communication Systems	2		<b>COMS4105</b> Communication Systems	2	2		
	<b>COMS4200</b> Computer Networks II (discontinued)	2	2/20	<b>COMS6200</b> Computer Networks II	2	2	2/21	
	<b>COMS4507</b> Advanced Topics in Security	2		<b>COMS4507</b> Advanced Topics in Security	1	2		
	<b>CSSE4004</b> Distributed Computing	2		<b>CSSE4004</b> Distributed Computing	1	2		
	<b>CSSE4010</b> Digital System Design	2		<b>CSSE4010</b> Digital System Design	2	2		
	<b>DECO1400</b> Introduction to Web Design	2		<b>DECO1400</b> Introduction to Web Design	1	2		
	<b>DECO2500</b> Human-Computer Interaction	2		<b>DECO2500</b> Human-Computer Interaction	1	2		
	<b>ELEC3300</b> Electrical Energy Conversion & Utilisation (discontinued)	2	2/20	<b>ELEC3310</b> Electrical Energy Conversion & Utilisation	2	2	2/21	
	<b>ELEC4300</b> Power Systems Analysis (discontinued)	2	1/20	<b>ELEC4310</b> Power Systems Analysis	1	2	1/21	
	<b>ELEC4400</b> Advanced Electronic & Power Electronics Design (discontinued)	2	2/20	<b>ELEC4410</b> Advanced Electronic & Power Electronics Design	2	2	2/21	
	<b>ELEC4620</b> Digital Signal Processing	2		<b>ELEC4620</b> Digital Signal Processing	2	2		
	<b>ELEC4630</b> Image Processing and Computer Vision	2		<b>ELEC4630</b> Image Processing and Computer Vision	1	2		
	<b>ENGG2000</b> Humanitarian Engineering	2		<b>ENGG2000</b> Humanitarian Engineering	2	2		
	<b>ENGG4800</b> Project Management	2		<b>ENGG4800</b> Project Management	2	2		
	<b>INFS1200</b> Introduction to Information Systems	2		<b>INFS1200</b> Introduction to Information Systems	1,2	2		
	<b>INFS2200</b> Relational Database Systems	2		<b>INFS2200</b> Relational Database Systems	2	2		
	<b>METR4201</b> Control Engineering 1	2		<b>METR4201</b> Control Engineering 1	1	2		
	<b>METR4202</b> Robotics & Automation	2		<b>METR4202</b> Robotics & Automation	2	2		

✓/x compl.	Part C - Electives	#	Last offered	If NOT completed – you can choose*:	Sem offering	#	First offered	✓/x compl.
	<b>COMP4403</b> Compilers and Interpreters	2		<b>COMP4403</b> Compilers and Interpreters	1	2		
	<b>COMP4500</b> Advanced Algorithms & Data Structures	2		<b>COMP4500</b> Advanced Algorithms & Data Structures	2	2		
	<b>COSC3000</b> Visualization, Computer Graphics & Data Analysis	2		<b>COSC3000</b> Visualization, Computer Graphics & Data Analysis	1	2		

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	<b>COSC3500</b> High Performance Computing	2		<b>COSC3500</b> High Performance Computing	2	2		
	<b>CSSE3002</b> The Software Process (discontinued)	2	1/20	<b>CSSE3012</b> The Software Process	1	2	1/21	
	<b>CSSE3100</b> Reasoning About Programs	2		<b>CSSE3100</b> Reasoning About Programs	1	2		
	<b>DECO2800</b> Design Computing Studio 2 – Testing & Evaluation (discontinued)	2	2/22	<b>CSSE3200</b> Software Engineering Studio: Design, Implement & Test (NEW)	2	2	2/22	
	<b>DECO3500</b> Social & Mobile Computing	2		<b>DECO3500</b> Social & Mobile Computing	2	2		
	<b>DECO3800</b> Design Computing Studio 3 - Proposal	2		<b>DECO3800</b> Design Computing Studio 3 - Proposal	1	2		
	<b>DECO3801</b> Design Computing Studio 3 - Build	2		<b>DECO3801</b> Design Computing Studio 3 - Build	2	2		
	<b>ENGG4020</b> Systems Safety Engineering (discontinued)	2	1/23	<b>ENGG6020</b> Systems Safety Engineering	2	2	1/23	
	<b>INFS3200</b> Advanced Database Systems	2		<b>INFS3200</b> Advanced Database Systems	1,2	2		
	<b>INFS3202</b> Web Information Systems	2		<b>INFS3202</b> Web Information Systems	1	2		
	<b>INFS3208</b> Cloud Computing	2		<b>INFS3208</b> Cloud Computing	2	2		
	<b>INFS4203</b> Data Mining	2		<b>INFS4203</b> Data Mining	2	2		
	<b>INFS4205</b> Advanced Techniques for High Dimensional Data	2		<b>INFS4205</b> Advanced Techniques for High Dimensional Data	1	2		

✓/x compl.	Part N - Electives	#	Last offered	If NOT completed – you can choose*:	Sem offering	#	First offered	✓/x compl.
	<b>COMS7305</b> Advanced Microwave Engineering	2		<b>COMS7305</b> Advanced Microwave Engineering	2	2		
	<b>COMS7307</b> Advanced Photonics (discontinued)	2	2021	<b>COMS7307</b> Advanced Photonics (discontinued)	2	2		
	<b>COMS7309</b> Computational Techniques in Electromagnetics	2		<b>COMS7309</b> Computational Techniques in Electromagnetics	2	2		
	<b>ELEC7901</b> Advanced Medical Device Engineering (discontinued)	2	1/20	<b>BIOE6901</b> Medical Device Engineering	1	2	1/21	
	<b>ELEC7902</b> Biomedical Signal Processing (discontinued)	2	2/20	<b>BIOE7902</b> Biomedical Signal Processing	2	2	2/21	
	<b>ENGG7302</b> Advanced Computational Techniques in Engineering	2		<b>ENGG7302</b> Advanced Computational Techniques in Engineering	2	2		
	<b>ENGG7811</b> Research Methods	2		<b>ENGG7811</b> Research Methods	2	2		
	<b>INFS7410</b> Information Retrieval and Web Search	2		<b>INFS7410</b> Information Retrieval and Web Search	2	2		

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	<b>METR7203</b> Control Engineering 2 (discontinued)	2	<b>1/20</b>	<b>METR6203</b> Control Engineering 2	2	2	<b>1/21</b>	
	<b>Courses offered on an occasional basis</b>							
	<b>COMS7000</b> Advanced Topics in Communications I	2		<b>COMS7000</b> Advanced Topics in Communications I	1,2	2		
	<b>CSSE7080</b> Advanced Topics in Computer Systems A	2		<b>CSSE7080</b> Advanced Topics in Computer Systems A	1,2	2		
	<b>CSSE7081</b> Advanced Topics in Computer Systems B	2		<b>CSSE7081</b> Advanced Topics in Computer Systems B	1,2	2		
	<b>CSSE7090</b> Advanced Topics in Software Engineering A	2		<b>CSSE7090</b> Advanced Topics in Software Engineering A	1,2	2		
	<b>CSSE7091</b> Advanced Topics in Software Engineering B	2		<b>CSSE7091</b> Advanced Topics in Software Engineering B	1,2	2		
	<b>ENGG7300</b> Advanced Topics in Engineering I	2		<b>ENGG7300</b> Advanced Topics in Engineering I	1,2	2		
	<b>ENGG7301</b> Advanced Topics in Engineering II	2		<b>ENGG7301</b> Advanced Topics in Engineering II	1,2	2		

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