

CHECKLIST Bachelor of Engineering (Honours) – Electrical Engineering (2342): 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) (Electrical Engineering) - a Single Major (Plan code: ELECTX2342), or Extended Major (Plan code: ELECTY2342), or Major & Minor; 64 units comprising -

- a major - 52 units, comprising-
 - 46 units, being all courses from part A (listed below); and
 - 6 units from part B - advanced electives; and
- 12 units from electives
 - a minimum of 4 units from courses on the BE(Hons) list, other than courses on the BE Year 1 part D list, and
 - a maximum of 4 units from courses on the BE(Hons) Year 1 part D list, and
 - a maximum of 4 units from level one courses not on the BE(Hons) list

OR

- an extended major - 60 units, comprising-
 - 46 units, being all courses from part A - compulsory; and
 - 14 units from the combination of part B and C electives, (with a minimum of 8 units from part B); and
- 4 units from electives.

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.
	46 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		
	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		
	CSSE1001 Introduction to Software Engineering	2		CSSE1001 Introduction to Software Engineering OR ENGG1001 Programming for Engineers (NEW)	1,2 1,2	2	1/21	
	ENGG1300 Introduction to Electrical Systems	2		ENGG1300 Introduction to Electrical Systems	1,2	2		
	PHYS1002 Electromagnetism and Modern Physics	2		PHYS1002 Electromagnetism and Modern Physics (semester 2 only from 2022)	1,2	2		
	CSSE2010 Introduction to Computer Systems	2		CSSE2010 Introduction to Computer Systems	1,2	2		

✓ - course already completed X – course to be undertaken

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	ELEC2003 Electromechanics & Electronics (discontinued)	2	1/21	ELEC2300 Electromagnetism & Electromechanics NEW	1	2	1/22	
	MATH2001 Advanced Calculus & Linear Algebra II	2		MATH2001 Calculus & Linear Algebra II	1,2,S	2		
	CSSE2310 Computer Systems Principles and Programming	2		CSSE2310 Computer Systems Principles and Programming	1,2	2		
	ELEC2004 Circuits, Signals & Systems	2		ELEC2004 Circuits, Signals & Systems	2	2		
	ENGG2800 Team Project I	2		ENGG2800 Team Project I	1,2	2		
	MATH2010 Analysis of Ordinary Differential Equations AND STAT2202 Probability Models for Engineering & Science (discontinued)	1 1	2/20	MATH2010 Analysis of Ordinary Differential Equations AND STAT2201 Analysis of Eng. & Scientific Data (1) or STAT2203 Probability Models and Data Analysis for Engineering (2)	1,2 1,2 2	1 1 2		
	CSSE3010 Embedded Systems Design & Interfacing	2		CSSE3010 Embedded Systems Design & Interfacing	1	2		
	ELEC3004 Signals, Systems & Control	2		ELEC3004 Circuits, Signals and Systems	1	2		
	ELEC3400 Electronic Circuits (discontinued)	2	1/21	ELEC2400 Electronic Circuits and Amplifiers (NEW)	1	2	1/22	
	ELEC3100 Fundamentals of Electromagnetic Fields & Waves	2		ELEC3100 Fundamentals of Electromagnetic Fields & Waves	2	2		
	ELEC3300 Electrical Energy Conversion & Utilisation (discontinued)	2	2/20	ELEC3310 Electrical Energy Conversion & Utilisation	2	2	2/21	
	ENGG3800 Team Project II	2		ENGG3800 Team Project II	2	2		
	ENGG4801 Thesis Project (discontinued) / ENGG4811 (from 1/21) or ENGG4802 Thesis Project (discontinued) / ENGG4812 (from 2/21) or ENGG4805 Thesis Project	4	1/21 2/21	REIT4841 Research and Development Methods and Practice or REIT4842 Research and Development Methods and Practice or ENGG4805 Thesis Project (tbd)	1 2 1,2	4	1/22 2/22	
	ENGG4900 Professional Practice and the Business Environment	2		ENGG4900 Professional Practice and the Business Environment	1,2	2		
Part A units completed pre-2021:				Part A units to be substituted/completed:				
				Total Part A (must add up to 46 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.

BE(Hons) Transition Plan – Electrical continuation

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PART B

✓/X compl.	Part B – Advanced Electives	#	Last offered	If NOT completed – you can choose*:	Sem offering	#	First offered	✓/X compl.
	COMS4103 Photonics (discontinued)	2	1/20	COMS4113 Photonics	1	2	1/21	
	COMS4104 Microwave Engineering	2		COMS4104 Microwave Engineering	1	2		
	COMS4105 Communication Systems	2		COMS4105 Communication Systems	2	2		
	CSSE4010 Digital System Design	2		CSSE4010 Digital System Design	2	2		
	ELEC4300 Power Systems Analysis (discontinued)	2	1/20	ELEC4310 Power Systems Analysis	1	2	1/21	
	ELEC4400 Advanced Electronic & Power Electronics Design (discontinued)	2	2/20	ELEC4410 Advanced Electronic & Power Electronics Design	2	2	2/21	
	ELEC4620 Digital Signal Processing	2		ELEC4620 Digital Signal Processing	2	2		
	ELEC4630 Image Processing and Computer Vision	2		ELEC4630 Image Processing and Computer Vision	1	2		
	METR4201 Control Engineering 1	2		METR4201 Control Engineering 1	1	2		
	METR4202 Robotics & Automation	2		METR4202 Robotics & Automation	2	2		

PART C

✓/X compl.	Part C - Coverage Electives	#	Last offered	If NOT completed – you can choose*:	Sem offering	#	First offered	✓/X compl.
	COMP3702 Artificial Intelligence	2		COMP3702 Artificial Intelligence	2	2		
	COMP3710 Pattern Recognition and Analysis	2		COMP3710 Pattern Recognition and Analysis	2	2		
	COMP4702 Machine Learning	2		COMP4702 Machine Learning	2	2		
	COMS3200 Computer Networks I	2		COMS3200 Computer Networks I	1	2		
	COMS4200 Computer Networks II (discontinued)	2	2/20	COMS6200 Computer Networks II	2	2	2/21	
	CSSE2002 Programming in the Large	2		CSSE2002 Programming in the Large	1,2	2		
	CSSE4011 Advanced Embedded Systems	2		CSSE4011 Advanced Embedded Systems	1	2		
	ELEC4000 Special Topics in Electrical Engineering 4A	2		ELEC4000 Special Topics in Electrical Engineering 4A	1,2	2		
	ELEC4001 Special Topics in Electrical Engineering 4B	2		ELEC4001 Special Topics in Electrical Engineering 4B	1,2	2		
	ELEC4302 Power System Protection	2		ELEC4302 Power System Protection	2	2		

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	ELEC4320 Modern Asset Management and Condition Monitoring in Power System	2		ELEC4320 Modern Asset Management and Condition Monitoring in Power System	2	2		
	ELEC6403 Biomedical Instrumentation (discontinued)	2	2/20	BIOE6403 Biomedical Instrumentation	2	2	2/21	
	ELEC6601 Medical Imaging (discontinued)	2	2/20	BIOE6601 Medical Imaging	2	2	2/21	
	ENGG1400 Engineering Mechanics: Statics & Dynamics (discontinued)	2	2/20	ENGG1700 Statics and Materials	1,2	2	1/21	
	ENGG2000 Humanitarian Engineering	2		ENGG2000 Humanitarian Engineering	2	2		
	ENGG4800 Project Management	2		ENGG4800 Project Management	1	2		

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