

# CHECKLIST Bachelor of Engineering (Honours) – Electrical & Biomedical 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 & Biomedical Engineering Plan code: ELBIOW2342); 64 units comprising –

1. 60 units, comprising
  - a. 52 units, being all courses from part A - compulsory, comprising-
  - b. 8 units from the combination of part B and part C electives with
    - (i) a minimum of 4 units from part C, and
    - (ii) a maximum of 4 units from level one courses, and
2. 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.
	52 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 * Please contact EAIT Student Admin for ENGG1200 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		
	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		

✓ - course already completed X – course to be undertaken

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	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 Signals, Systems & Control	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		
	ELEC4620 Digital Signal Processing	2		ELEC4620 Digital Signal Processing	1,2	2		
	ELEC6403 Biomedical Instrumentation (discontinued)	2	2/20	BIOE6403 Biomedical Instrumentation	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	
	ELEC4630 Image Processing and Computer Vision	2		ELEC4630 Image Processing and Computer Vision	1,2	2		
	ELEC6601 Medical Imaging (discontinued)	2	2/20	BIOE6601 Medical Imaging	2	2	2/21	
	ENGG4900 Professional Practice and the Business Environment	2		ENGG4900 Professional Practice and the Business Environment	1,2	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 52 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) Transition Plan – Electrical & Biomedical continuation**

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✓/X compl.	Part B - Electives	#	Last offered	If NOT completed – you can choose*:	Sem offering	#	First offered	✓/X compl.
	<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	1	2		
	<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>CSSE2002</b> Programming in the Large	2		<b>CSSE2002</b> Programming in the Large	1,2	2		
	<b>CSSE4010</b> Digital System Design	2		<b>CSSE4010</b> Digital System Design	2	2		
	<b>CSSE4011</b> Advanced Embedded Systems	2		<b>CSSE4011</b> Advanced Embedded Systems	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>ELEC4000</b> Special Topics in Electrical Engineering 4A	2		<b>ELEC4000</b> Special Topics in Electrical Engineering 4A	1,2	2		
	<b>ELEC4001</b> Special Topics in Electrical Engineering 4B	2		<b>ELEC4001</b> Special Topics in Electrical Engineering 4B	na	2		
	<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>ENGG2000</b> Humanitarian Engineering	2		<b>ENGG2000</b> Humanitarian Engineering	2	2		
	<b>ENGG4800</b> Project Management	2		<b>ENGG4800</b> Project Management	1	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		

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✓/X compl.	Part C - Coverage Electives	#	Last offered	If NOT completed – you can choose*:	Sem offering	#	First offered	✓/X compl.
	<b>BIOC2000</b> Biochemistry & Molecular Biology	2		<b>BIOC2000</b> Biochemistry & Molecular Biology	1	2		
	<b>BIOL1020</b> Genes, Cells & Evolution	2		<b>BIOL1020</b> Genes, Cells & Evolution	1,2	2		
	<b>BIOL1040</b> Cells to Organisms	2		<b>BIOL1040</b> Cells to Organisms	1,2	2		
	<b>BIOL2200</b> Cell Structure & Function	2		<b>BIOL2200</b> Cell Structure & Function	1	2		
	<b>BIOL2202</b> Genetics	2		<b>BIOL2202</b> Genetics	2	2		
	<b>BIOL3014</b> Advanced Bioinformatics (discontinued)	2	2/20	<b>BINF3014</b> Advanced Bioinformatics	2	2	2/21	
	<b>BIOM2011</b> Integrative Cell & Tissue Biology	2		<b>BIOM2011</b> Integrative Cell & Tissue Biology	1	2		
	<b>BIOM2012</b> Systems Physiology	2		<b>BIOM2012</b> Systems Physiology	2	2		
	<b>BIOM2020</b> Human Anatomy	2		<b>BIOM2020</b> Human Anatomy	1	2		
	<b>BIOM2208</b> Differentiation & Development	2	2/20	<b>DEVB2000</b> Stem Cells Development and Developmental Disorders	2	2	2/21	
	<b>BIOM2402</b> Principles of Pharmacology	2		<b>BIOM2402</b> Principles of Pharmacology	2	2		
	<b>BIPH2000</b> Foundations of Biophysics	2		<b>BIPH2000</b> Foundations of Biophysics	2	2		
	<b>CHEE1001</b> Principles of Biological Engineering (discontinued)	2	1/20	<b>BIOE1001</b> Principles of Biomedical & Process Engineering	1	2	1/21	
	<b>CHEE4020</b> Biomolecular Engineering	2		<b>CHEE4020</b> Bioprocess Engineering	1	2		
	<b>CHEE4034</b> Cell & Tissue Engineering (discontinued)	2	1/20	<b>BIOE6034</b> Cell and Tissue Engineering	1	2	1/21	
	<b>CHEE4305</b> Biomaterials: Materials in Medicine (discontinued)	2	2/20	<b>BIOE4305</b> Biomaterials: Materials in Medicine	2	2	2/21	
	<b>CHEM1100</b> Chemistry 1	2		<b>CHEM1100</b> Chemistry 1	1,2	2		
	<b>MATH3104</b> Mathematical Biology	2		<b>MATH3104</b> Mathematical Biology	1	2		
	<b>MICR2000</b> Microbiology & Immunology	2		<b>MICR2000</b> Microbiology & Immunology	2	2		
	<b>SCIE2100</b> Introduction to Bioinformatics	2		<b>SCIE2100</b> Introduction to Bioinformatics	1	2		

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