CHECKLIST Bachelor of Engineering (Honours) – Electrical & Computer Engineering (2342): Completion of pre-2021 program

IMPORTANT Notes:

- The information contained in this document is intended as general advice only. Students must follow the program rules & requirements listed on the Programs and Courses Website relevant to the year they commence. This planner must be used in conjunction with your program duration course list and program rules.
- Students need to check future course offerings, prerequisites, incompatibilities and restrictions for all courses as these are subject to change.
- Students cannot take courses that are incompatible with courses already counted towards their program, and cannot count the same course twice.

You must complete for the BE(Hons) (Electrical & Computer Engineering Plan code: ELCOMW2342); 64 units comprising -

a. 60 units, comprising
   (i) 50 units, being all courses from part A - compulsory, and
   (ii) 10 units from part B - electives (with a minimum of 4 units of level four courses), and
b. 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
	50 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	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 (sem 2 only from 2022)	2	2	
	CSSE2002 Programming in the Large	2		**CSSE2002** Programming in the Large	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** Fundamentals of Electromagnetism & Electromechanics	1	2	**1/22**
	MATH2001 Advanced Calculus & Linear Algebra II	2		**MATH2001** Calculus & Linear Algebra II	1,2,S	2	

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	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 Devices & Circuits	1	2	**1/22**
	CSSE4010 Digital System Design	2		**CSSE4010** Digital System Design	1,2	2	
	ELEC3100 Fundamentals of Electromagnetic Fields & Waves	2		**ELEC3100** Fundamentals of Electromagnetic Fields & Waves	2	2	
	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	1 2 1,2	4	**1/22** **2/22**
	CSSE4011 Advanced Embedded Systems	2		**CSSE4011** Advanced Embedded Systems	1	2	
	ENGG4900 Professional Practice and the Business Environment (discontinued)	2	**2/23**	**ENGG4901** Professional Practice and the Business Environment A **Or** **ENGG4902** Professional Practice and the Business Environment B	1,2	2	**1/24**

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PART B

✓/x compl.	Part B - Electives	#	Last offered	If NOT completed – you can choose*:	Sem offering	#	First offered
	COMP3301 Operating Systems Architecture	2		**COMP3301** Operating Systems Architecture	2	2	
	COMP3506 Algorithms & Data Structures	2		**COMP3506** Algorithms & Data Structures	2	2	
	COMP3710 Pattern Recognition and Analysis	2		**COMP3710** Pattern Recognition and Analysis	2	2	
	COMP4702 Machine Learning	2		**COMP4702** Machine Learning	2	2	
	COMS3000 Information Security (discontinued)	2	**2/20**	**CYBR3000** Information Security	1	2	**2/21**
	COMS3200 Computer Networks I	2		**COMS3200** Computer Networks I	1	2	
	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	
	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	
	CSSE4010 Digital System Design	2		**CSSE4010** Digital System Design	2	2	
	CSSE4011 Advanced Embedded Systems	2		**CSSE4011** Advanced Embedded Systems	1	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**
	ENGG2000 Humanitarian Engineering	2		**ENGG2000** Humanitarian Engineering	2	2	
	ENGG4800 Project Management	2		**ENGG4800** Project Management	1	2	
	METR4201 Control Engineering 1	2		**METR4201** Control Engineering 1	1	2	
	METR4202 Robotics & Automation	2		**METR4202** Robotics & Automation	2	2	

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