

CHECKLIST Bachelor of Engineering (Honours) – Software 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) (Software Engineering) - a Single Major (Plan code: SOFTWX2342) or Extended Major (SOFTWY2342), 64 units comprising –

- a. a major - 52 units, comprising-
- 42 units, being all courses from [part A](#) - compulsory (listed below); and
 - 10 units from [part B](#) electives with a minimum of 6 units at level four or higher; and
- b. balance from electives
- a minimum of 4 units from courses on the BE(Hons) list, other than courses on the BE(Hons) 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

- a. an extended major - 60 units, comprising-
- 42 units being all courses from [part A](#) - compulsory; and
 - 14 units from [part B](#) - electives with a minimum of 10 units at level four or higher; and
 - 4 units from the combination of [part C](#) - coverage electives and part B electives; and
- b. balance from electives-

OR

- a. a major and a minor - 60 units, comprising-
- 42 units, being all courses from [part A](#) - compulsory (listed below); and
 - 8 units as set out in part D under the approved minor field; and
 - 10 units from [part B](#) - electives not counted towards part D with a least 6 units at level four; and
- b. balance from electives

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
42 units 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	

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	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	
	INFS1200 Introduction to Information Systems	2		INFS1200 Introduction to Information Systems	1,2	2	
	MATH1061 Discrete Mathematics	2		MATH1061 Discrete Mathematics	1,2	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	
	COMP3506 Algorithms & Data Structures	2		COMP3506 Algorithms & Data Structures	2	2	
	CSSE2310 Computer Systems Principles and Programming	2		CSSE2310 Computer Systems Principles and Programming	1,2	2	
	DECO2800 Design Computing Studio 2 - Testing & Evaluation (discontinued)	2	2/22	DECO2800 Design Computing Studio 2 - Testing & Evaluation (discontinued) or CSSE3200 Project Design Testing and Evaluation (NEW)	2	2	2/22
	STAT2203 Probability Models and Data Analysis for Engineering	2		STAT2203 Probability Models and Data Analysis for Engineering	2	2	
	CSSE3002 The Software Process (discontinued)	2	1/20	CSSE3012 The Software Process	1	2	1/21
	DECO2500 Human-Computer Interaction	2		DECO2500 Human-Computer Interaction	1	2	
	DECO3800 Design Computing Studio 3 - Proposal	2		DECO3800 Design Computing Studio 3 - Proposal	1	2	
	DECO3801 Design Computing Studio 3 - Build	2		DECO3801 Design Computing Studio Build	2	2	
	ENGG4801 Thesis Project (discontinued) / ENGG4811 (from 1/22) or ENGG4802 Thesis Project (discontinued) / ENGG4812 (from 2/22) or ENGG4805 Thesis Project	4	1/22 2/22	REIT4841 Research and Development Methods and Practice or REIT4842 Research and Development Methods and Practice or ENGG4805 Thesis Project	1 2 1,2	4	1/23 2/23
	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

✓/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	
	COMP3400 Functional & Logic Programming	2		COMP3400 Functional & Logic Programming	1	2	
	COMP3702 Artificial Intelligence	2		COMP3702 Artificial Intelligence	2	2	
	COMP3710 Pattern Recognition and Analysis	2		COMP3710 Pattern Recognition and Analysis	2	2	
	COMP4403 Compilers and Interpreters	2		COMP4403 Compilers and Interpreters	1	2	
	COMP4500 Advanced Algorithms & Data Structures	2		COMP4500 Advanced Algorithms & Data Structures	2	2	
	COMP4702 Machine Learning	2		COMP4702 Machine Learning	1	2	
	COMS3000 Information Security (discontinued)	2	2/20	CYBR3000 Information Security	2	2	2/21
	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
	COMS4507 Advanced Topics in Security	2		COMS4507 Advanced Topics in Security	1	2	
	COSC3000 Visualization, Computer Graphics & Data Analysis	2		COSC3000 Visualization, Computer Graphics & Data Analysis	1	2	
	COSC3500 High-Performance Computing	2		COSC3500 High-Performance Computing	2	2	
	CSSE3010 Embedded Systems Design & Interfacing	2		CSSE3010 Embedded Systems Design & Interfacing	1	2	
	CSSE3100 Reasoning About Programs	2		CSSE3100 Reasoning About Programs	1	2	
	CSSE4004 Distributed Computing (discontinued)	2	1/21	CSSE6400 Software Architecture	1	2	1/22
	CSSE4010 Digital System Design	2		CSSE4010 Digital System Design	2	2	
	CSSE4630 Principles of Program Analysis	2		CSSE4630 Principles of Program Analysis	2	2	
	DECO1400 Introduction to Web Design	2		DECO1400 Introduction to Web Design	1	2	
	DECO3500 Social & Mobile Computing	2		DECO3500 Social & Mobile Computing	2	2	
	DECO6500 Advanced Human-Computer Interaction	2		DECO6500 Advanced Human-Computer Interaction	2	2	
	INFS2200 Relational Database Systems	2		INFS2200 Relational Database Systems	2	2	
	INFS3200 Advanced Database Systems	2		INFS3200 Advanced Database Systems	1,2	2	
	INFS3202 Web Information Systems	2		INFS3202 Web Information Systems	1	2	

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✓/X compl.	Part C - Coverage Electives	#	Last offered	If NOT completed – you can choose*:	Sem offering	#	First offered
	COMP3880 International Software Development	2		COMP3880 International Software Development	2	2	
	CSSE4011 Advanced Embedded Systems	2		CSSE4011 Advanced Embedded Systems	1	2	
	ENGG4020 Systems Safety Engineering (discontinued)	2	2/22	ENGG4020 Systems Safety Engineering (discontinued)	2	2	
	ENGG4800 Project Management	2		ENGG4800 Project Management	1	2	
	INFS3208 Cloud Computing	2		INFS3208 Cloud Computing	2	2	
	INFS4203 Data Mining	2		INFS4203 Data Mining	2	2	
	INFS4205 Advanced Techniques for High Dimensional Data	2		INFS4205 Advanced Techniques for High Dimensional Data	1	2	
	MATH2000 Calculus & Linear Algebra II (discontinued) OR MATH2001 Advanced Calculus & Linear Algebra II	2		MATH2001 Calculus & Linear Algebra II	1,2,S	2	
	MATH2010 Analysis of Ordinary Differential Equations	1		MATH2010 Analysis of Ordinary Differential Equations	1,2	1	

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