

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

- 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
- 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

- 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
- balance from electives-

OR

- 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
- 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	✓/X compl.
	42 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	2/20 2/20	<b>ENGG1100</b> Professional Engineering and * If you have not completed ENGG1200, please contact EAIT Student Admin for 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		

✓ - course already completed X – course to be undertaken

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

	<b>CSSE1001</b> Introduction to Software Engineering	2		<b>CSSE1001</b> Introduction to Software Engineering <b>OR</b> <b>ENGG1001</b> Programming for Engineers (NEW)	1,2 1,2	2	<b>1/21</b>	
	<b>ENGG1300</b> Introduction to Electrical Systems	2		<b>ENGG1300</b> Introduction to Electrical Systems	1,2	2		
	<b>INFS1200</b> Introduction to Information Systems	2		<b>INFS1200</b> Introduction to Information Systems	1,2	2		
	<b>MATH1061</b> Discrete Mathematics	2		<b>MATH1061</b> Discrete Mathematics	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>COMP3506</b> Algorithms & Data Structures	2		<b>COMP3506</b> Algorithms & Data Structures	2	2		
	<b>CSSE2310</b> Computer Systems Principles and Programming	2		<b>CSSE2310</b> Computer Systems Principles and Programming	1,2	2		
	<b>DECO2800</b> Design Computing Studio 2 - Testing & Evaluation (discontinued)	2	<b>2/22</b>	<b>CSSE3200</b> Project Design Testing and Evaluation (NEW)	2	2	<b>2/22</b>	
	<b>STAT2203</b> Probability Models and Data Analysis for Engineering	2		<b>STAT2203</b> Probability Models and Data Analysis for Engineering	2	2		
	<b>CSSE3002</b> The Software Process (discontinued)	2	<b>1/20</b>	<b>CSSE3012</b> The Software Process	1	2	<b>1/21</b>	
	<b>DECO2500</b> Human-Computer Interaction	2		<b>DECO2500</b> Human-Computer Interaction	1	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 Build	2	2		
	<b>ENGG4801</b> Thesis Project (discontinued) / <b>ENGG4811</b> (from 1/22) <b>or</b> <b>ENGG4802</b> Thesis Project (discontinued) / <b>ENGG4812</b> (from 2/22) <b>or</b> <b>ENGG4805</b> Thesis Project	4	<b>1/22</b> <b>2/22</b>	<b>REIT4841</b> Research and Development Methods and Practice <b>or</b> <b>REIT4842</b> Research and Development Methods and Practice <b>or</b> <b>ENGG4805</b> Thesis Project (tbd)	1 2 1,2	4	<b>1/23</b> <b>2/23</b>	
	<b>ENGG4900</b> Professional Practice and the Business Environment	2		<b>ENGG4900</b> 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 42 units):</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>COMP3400</b> Functional & Logic Programming	2		<b>COMP3400</b> Functional & Logic Programming	1	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		

Once you have completed the checklist, you may either email your checklist to the Faculty on [enquiries@eait.uq.edu.au](mailto:enquiries@eait.uq.edu.au) or book an appointment with an Academic Advisor directly.

**BE(Hons) Transition Plan – Software continuation**

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

	<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>COMP4702</b> Machine Learning	2		<b>COMP4702</b> Machine Learning	1	2		
	<b>COMS3000</b> Information Security (discontinued)	2	2/20	<b>CYBR3000</b> Information Security	2	2	2/21	
	<b>COMS3200</b> Computer Networks I	2		<b>COMS3200</b> Computer Networks I	1	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>COSC3000</b> Visualization, Computer Graphics & Data Analysis	2		<b>COSC3000</b> Visualization, Computer Graphics & Data Analysis	1	2		
	<b>COSC3500</b> High-Performance Computing	2		<b>COSC3500</b> High-Performance Computing	2	2		
	<b>CSSE3010</b> Embedded Systems Design & Interfacing	2		<b>CSSE3010</b> Embedded Systems Design & Interfacing	1	2		
	<b>CSSE3100</b> Reasoning About Programs	2		<b>CSSE3100</b> Reasoning About Programs	1	2		
	<b>CSSE4004</b> Distributed Computing (discontinued)	2	1/21	<b>CSSE6400</b> Software Architecture (NEW)	1	2	1/22	
	<b>CSSE4010</b> Digital System Design	2		<b>CSSE4010</b> Digital System Design	2	2		
	<b>CSSE4630</b> Principles of Program Analysis	2		<b>CSSE4630</b> Principles of Program Analysis	2	2		
	<b>DECO1400</b> Introduction to Web Design	2		<b>DECO1400</b> Introduction to Web Design	1	2		
	<b>DECO3500</b> Social & Mobile Computing	2		<b>DECO3500</b> Social & Mobile Computing	2	2		
	<b>DECO6500</b> Advanced Human-Computer Interaction	2		<b>DECO6500</b> Advanced Human-Computer Interaction	2	2		
	<b>INFS2200</b> Relational Database Systems	2		<b>INFS2200</b> Relational Database Systems	2	2		
	<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		

✓/x compl.	Part C - Coverage Electives	#	Last offered	If NOT completed – you can choose*:	Sem offering	#	First offered	✓/x compl.
	<b>COMP3880</b> International Software Development	2		<b>COMP3880</b> International Software Development	2	2		
	<b>CSSE4011</b> Advanced Embedded Systems	2		<b>CSSE4011</b> Advanced Embedded Systems	1	2		
	<b>ENGG4020</b> Systems Safety Engineering	2		<b>ENGG4020</b> Systems Safety Engineering	2	2		
	<b>ENGG4800</b> Project Management	2		<b>ENGG4800</b> Project Management	1	2		

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	<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		
	<b>MATH2000</b> Calculus & Linear Algebra II (discontinued) <b>OR</b> <b>MATH2001</b> Advanced Calculus & Linear Algebra II	2		<b>MATH2001</b> Calculus & Linear Algebra II	1,2,S	2		
	<b>MATH2010</b> Analysis of Ordinary Differential Equations	1		<b>MATH2010</b> Analysis of Ordinary Differential Equations	1,2	1		

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