

CHECKLIST Bachelor of Engineering (Honours) Software Engineering Specialisation: Transition to new program

* This checklist is for the BE(Hons) component for dual programs with Bachelor of Arts, Bachelor of Business Management, Bachelor of Commerce, Bachelor of Design, Bachelor of Economics.

**The Software Specialisation is not available with the Bachelor of Information Technology dual 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
- Please ensure you read the program rules to check for any special rules with your dual program, as course restrictions may apply
- **Please contact the relevant Faculty for information regarding the other component of your dual program**

For the BE(Hons) component, with a specialisation in Software Engineering:

(a) 56 units from the BE(Hons) component, comprising—

(i) 8 units for BE(Hons) core courses, and

(ii) 36 units for a BE(Hons) Software Engineering specialisation, and

(iii) 12 units for specified BE(Hons) Software Engineering electives

✓/X compl.	You must complete (NEW Program requirements)	Sem offering	#	First offered	Approved substitution	Last offered
	8 units for all: Core Courses					
	ENGG1100 Professional Engineering	1,2	2		Course must be completed [ENGG1211 (4 units) will count as 2 units towards Part A in lieu of ENGG1100, and 2 units towards program electives]	
	ENGG1001 Programming for Engineers (NEW) or CSSE1001 Introduction to Software Engineering	1,2	2	1/21	Course must be completed	
	MATH1051 Calculus & Linear Algebra I or MATH1071 Advanced Calculus & Linear Algebra I	1,2	2		Course must be completed	
	MATH1052 Multivariate Calculus & Ordinary Differential Equations or MATH1072 Advanced Multivariate Calculus & Ordinary Differential Equations	1,2	2		Course must be completed	

✓ - course already completed X – course to be undertaken

Checked by (Faculty: Name and Date): _____

2021 Software Engineering specialisation list (36 units)

✓/X compl.		Sem offering	#	First offered	Approved substitution	Last offered
	34 units for all Compulsory Courses					
	ENGG1300 Introduction to Electrical Systems	1,2	2		Course must be completed	
	INFS1200 Introduction to Information Systems	1,2	2		Course must be completed	
	MATH1061 Discrete Mathematics	1,2	2		Course must be completed	
	CSSE2002 Programming in the Large	1,2	2		Course must be completed	
	CSSE2010 Introduction to Computer Systems	1,2	2		Course must be completed	
	CSSE2310 Computer Systems, Principles and Programming	1,2	2		Course must be completed	
	DECO2500 Human-Computer Interaction	1	2		Course must be completed	
	STAT2203 Probability Models and Data Analysis for Engineering	2	2		Course must be completed	
	COMP3400 Functional and Logic Programming	1	2		Course must be completed	
	COMP3506 Algorithms and Data Structures	2	2		Course must be completed	
	CSSE3012 The Software Process	1	2	1/21	CSSE3002 The Software Process (discontinued)	1/20
	CSSE3200 Project Design Testing and Evaluation (NEW)	2	2	2/22	DECO2800 Design Computing Studio 2 - Testing & Evaluation	
	DECO3801 Design Computing Studio Build	2	2		Course must be completed	
	CSSE4400 Software Architecture (NEW)	1	2	1/22	Course must be completed	
	ENGG4900 Professional Practice and the Business Environment	1,2	2		Course must be completed	
	REIT4841 Research and Development Methods and Practice (NEW) (4) or REIT4842 Research and Development Methods and Practice (NEW) (4)	1 2	4	1/22 2/22	ENGG4801 Thesis Project (discontinued) / ENGG4811 (from 1/21) or ENGG4802 Thesis Project (discontinued) / ENGG4812 (from 2/21)	1/21 2/21
	2 units from Program Electives					

Once you have completed the checklist, you may either email your checklist to the Faculty on enquiries@eit.uq.edu.au or book an appointment with an Academic Advisor directly.

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Checked by (Faculty: Name and Date): _____

Software Engineering Electives

Complete 12 units comprising:

- i. 2 units for Software Engineering Extension Compulsory course; and
- ii. 6 to 10 units from Software Engineering Advanced Electives with 4 units at Level 3 or higher; and
- iii. 0 to 4 units from Software Engineering Breadth Electives

✓/X compl.	2 units for: Software Engineering Extension Course	Sem offering	#	First offered	Approved substitution	Last offered
	DECO3800 Design Computing Studio 3 – Proposal	1	2		Course must be completed	
	6 to 10 units from: Software Engineering Advanced Electives (4 units at level 3 or higher)					
	COMP3301 Operating Systems Architecture	2	2		No substitution	
	COMP3400 Functional & Logic Programming	1	2		No substitution	
	COMP3702 Artificial Intelligence	2	2		No substitution	
	COMP3710 Pattern Recognition and Analysis	2	2		No substitution	
	COMP3820 Digital Health Software Project (NEW)	2	2	2/21	No substitution	
	COMP4403 Compilers and Interpreters	1	2		No substitution	
	COMP4500 Advanced Algorithms & Data Structures	2	2		No substitution	
	COMP4702 Machine Learning	1	2		No substitution	
	CYBR3000 Information Security	2	2	2/21	COMS3000 Information Security (discontinued)	2/20
	COMS3200 Computer Networks I	1	2		No substitution	
	COMS4507 Advanced Topics in Security	1	2		No substitution	
	COMS6200 Computer Networks II	2	2	2/21	COMS4200 Computer Networks II (discontinued)	2/20
	COSC3000 Visualization, Computer Graphics & Data Analysis	1	2		No substitution	
	COSC3500 High-Performance Computing	2	2		No substitution	
	CSSE3010 Embedded Systems Design & Interfacing	1	2		No substitution	
	CSSE3100 Reasoning About Programs	1	2		No substitution	
	CSSE4010 Digital System Design	2	2		No substitution	
	CSSE4630 Principles of Program Analysis	2	2		No substitution	
	DECO3500 Social & Mobile Computing	2	2		No substitution	
	DECO3800 Design Computing Studio 3 - Proposal	1	2		No substitution	
	DECO6500 Advanced Human-Computer Interaction	2	2		No substitution	
	INFS2200 Relational Database Systems	2	2		No substitution	
	INFS3200 Advanced Database Systems	1,2	2		No substitution	
	INFS3202 Web Information Systems	1	2		No substitution	
	INFS3208 Cloud Computing	2	2		No substitution	
	INFS4203 Data Mining	2	2		No substitution	
	INFS4205 Advanced Techniques for High Dimensional Data	1	2		No substitution	

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	0 to 4 units from: Software Engineering Breadth Electives					
	COMP3880 International Software Development	2	2		No substitution	
	ENGG4020 Systems Safety Engineering	2	2		No substitution	
	MATH2001 Calculus & Linear Algebra II	1,2,S	2		MATH2000 Calculus & Linear Algebra II (discontinued)	

Software Engineering Breadth Electives can also be chosen from course lists for the following major:

o Computer Engineering

Courses on this list may require pre-requisites. Please seek academic advice if required.

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