CHECKLIST Bachelor of Engineering (Honours)/Master of Engineering – Software Engineering (2350): 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 havebeen met

You must complete for the BE(Hons)/ME (Software Engineering Plan code: SOFTEX2350), 80 units comprising -

1. 48 units from part A – compulsory; and
2. 26 units from the combination of parts B, C and N - electives, including:
   (i) a minimum of 12 units from part B - electives with at least 8 units at level four or higher, and
   (ii) a minimum of 4 units from part N, and
   (iii) a maximum of 6 units from part C - coverage electives, and
3. 6 units from electives, being courses on the BE(Hons)/ME list or other courses approved by the executive dean, with;
   (i) a maximum of 4 units from part D; and
   (ii) a maximum of 4 units from level one courses not on the BE(Hons)/ME list.

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.
	48 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		
	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		
	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		

✓ - course already completed **X** – course to be undertaken **Checked by (Faculty: Name and Date):** _____

	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**	**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		
	ENGG4900 Professional Practice and the Business Environment	2		**ENGG4900** Professional Practice and the Business Environment	1,2	2		
	ENGG7290 Engineering Placement Semester(discontinued)	8		**ENGG7291** Engineering Placement A (NEW)	1,2	8	**1/23**	
	ENGG7701 Engineering Grand Challenges	2		**ENGG7701** Engineering Grand Challenges	2	2		
Part A units completed pre-2021:				**Part A units to be substituted/completed:**				
				Total Part A (must add up to 48 units):				

✓/X compl.	Part B - Electives	#	Last offered	If NOT completed – you can choose*:	Sem offering	#	First offered	/X compl.
	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**	

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BE(Hons)/ME Transition Plan – Software continuation **Checked by (Faculty: Name and Date):** _____

	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 (NEW)*	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		

✓/X compl.	Part C - Coverage Electives	#	Last offered	If NOT completed – you can choose*:	Sem offering	#	First offered	/X compl.
	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	**1/23**	**ENGG6020** Systems Safety Engineering	2	2	**1/23**	
	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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Checked by (Faculty: Name and Date): _____

✓/X compl.	Part D - Preparatory Mathematics & Science Electives	#	Last offered	If NOT completed – you can choose*:	Sem offering	#	First offered
	CHEM1090 Introductory Chemistry	2		**CHEM1090** Introductory Chemistry	1	2	
	MATH1050 Mathematical Foundations	2		**MATH1050** Mathematical Foundations	1,2	2	
	PHYS1171 Physical Basis of Biological Systems	2		**PHYS1171** Physical Basis of Biological Systems	1,2	2	

✓/X compl.	Part N - Electives	#	Last offered	If NOT completed – you can choose*:	Sem offering	#	First offered
	CSSE4630 Principles of Program Analysis	2		**CSSE4630** Principles of Program Analysis	2	2	
	CSSE7610 Concurrency: Theory and Practice	2		**CSSE7610** Concurrency: Theory and Practice	2	2	
	ENGG7302 Advanced Computational Techniques in Engineering	2		**ENGG7302** Advanced Computational Techniques in Engineering	1,2	2	
	ENGG7811 Research Methods	2		**ENGG7811** Research Methods	1,2	2	
	INFS7410 Information Retrieval and Web Search	2		**INFS7410** Information Retrieval and Web Search	2	2	
	Courses offered on an occasional basis						
	COMP7000 Special Topics in Computer Science 7A	2		**COMP7000** Special Topics in Computer Science 7A	1,2	2	
	COMP7001 Special Topics in Computer Science 7B	2		**COMP7001** Special Topics in Computer Science 7B	1,2	2	
	CSSE7090 Advanced Topics in Software Engineering A	2		**CSSE7090** Advanced Topics in Software Engineering A	1,2	2	
	CSSE7091 Advanced Topics in Software Engineering B	2		**CSSE7091** Advanced Topics in Software Engineering B	1,2	2	
	DECO7000 Special Topics in Design Computing 7A	2		**DECO7000** Special Topics in Design Computing 7A	1,2	2	
	DECO7001 Special Topics in Design Computing 7B	2		**DECO7001** Special Topics in Design Computing 7B	1,2	2	
	ENGG7300 Advanced Topics in Engineering I	2		**ENGG7300** Advanced Topics in Engineering I	1,2	2	
	ENGG7301 Advanced Topics in Engineering II	2		**ENGG7301** Advanced Topics in Engineering II	1,2	2	

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