

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 have been 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

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|---|---|---|------|--|-----|---|------|--|
| | 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 | 2 | | DECO2800 Design Computing Studio 2 - Testing & Evaluation 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 | 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 | 8 | | ENGG7290 Engineering Placement Semester | 1,2 | 8 | | |
| | 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 | |

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.

BE(Hons)/ME Transition Plan – Software continuation

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| | | | | | | | | |
|--|--|---|------|--|-----|---|------|--|
| | 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 | 2 | | ENGG4020 Systems Safety Engineering | 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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| ✓/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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