

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 | | | | | | | |
| | 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 | | |

✓ - course already completed X – course to be undertaken

Checked by (Faculty: Name and Date): _____

| | | | | | | | | |
|---|--|---|----------------------------|--|---------------|---|--|----------------------------|
| | 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 | | |
| | 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 | | |
| | 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 (tbd) | 1 2 1,2 | 4 | | 1/23 2/23 |
| | ENGG4900 Professional Practice and the Business Environment | 2 | | ENGG4900 Professional Practice and the Business Environment | 1,2 | 2 | | |
| Part A units completed pre-2021: | | | | Part A units to be substituted/completed: | | | | |
| | | | | Total Part A (must add up to 42 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 | | |

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) Transition Plan – Software continuation

Checked by (Faculty: Name and Date): _____

| | | | | | | | | |
|--|--|---|-------------|--|-----|---|-------------|--|
| | 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 (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 | | |

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| | | | | | | | | |
|--|--|---|--|---|-------|---|--|--|
| | 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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