

Bachelor of Software Engineering (Honours)



Commencing in Semester 1 2017-2019



Studying at Callaghan



This program plan is an enrolment guide to ensure you are on track to graduate. If at any time you wish to vary from this program plan seek prior advice from your [Program Advisor](#) to ensure you remain on track.

Semester 1

Semester 2

| Year | Semester 1 | | | | Semester 2 | | | |
|--------|--|---|--|---|---|---|--|--|
| Year 1 | COMP1010 Computing Fundamentals | ENGG1500 Introduction to Professional Engineering | MATH1110* Mathematics for Engineering, Science and Technology 1 | SENG1110 Object Oriented Programming | COMP1140 Database and Information Management | MATH1510 Discrete Mathematics | SENG1050 Web Technologies | SENG1120 Data Structures |
| Year 2 | ENGG2500 Sustainable Engineering Practice | SENG2130 Systems Analysis and Design | SENG2200 Programming Languages and Paradigms | SENG2050 Web Engineering | COMP2230 Algorithms | COMP2240 Operating Systems | SENG2250 System and Network Security | SENG2260 Human-Computer Interaction |
| Year 3 | ENGG3500 Managing Engineering Projects | SENG3150 Software Project 1: Requirements Engineering and Design | SENG3320 Software Verification and Validation | DIRECTED <i>This can be studied in either semester</i> | ELEC3500 Telecommunication Networks <i>Replaces SENG3400</i> | SENG3160 Software Project 2: Software Implementation, Testing, and Maintenance | ELECTIVE PATHWAY <i>This can be studied in any term, including summer or winter</i> | ELECTIVE PATHWAY <i>This can be studied in any term, including summer or winter</i> |
| Year 4 | ELECTIVE PATHWAY <i>This can be studied in any term, including summer or winter</i> | SENG4400 Enterprise Software Architectures | SENG4430 Software Quality <i>Replaces SENG3130</i> | SENG4211A Software Engineering Final Year Project Part A | SENG4211B Software Engineering Final Year Project Part B (20 units) <i>This course must be taken in the semester immediately following SENG4211A</i> | ENGG4500 Engineering Complexity | ELECTIVE PATHWAY <i>This can be studied in any term, including summer or winter</i> | |

Professional Practice: Exposure to Professional Practice/Industrial Experience 12 weeks

Program Plan Key: = Core = Elective Pathway = Directed = [Compulsory Program Requirement](#)

To be eligible to graduate make sure you have completed 320 units (10 units = 1 course unless otherwise specified) which meet the following criteria:

- ✓ Core courses – 270 units.
 - * Enrolment in MATH courses is based on your assumed knowledge. To find out which MATH courses you should enrol in please see the [Enrolling in Maths information](#). More information in your [Program Handbook](#).
- ✓ Directed courses – 10 units.
- ✓ Elective pathway – 40 units, visit the [Program Handbook](#) and [Course Handbook](#) for more information and to find electives.
- ✓ Students must not exceed 120 units at 1000 level in this program.
- ✓ It is also a requirement that students complete a total of 12 weeks of exposure to professional practice/industrial experience. More information is [here](#).
- ✓ The duration of this program is 4 years full time (40 units per semester) or part time equivalent.
- ✓ The maximum time to complete this program is 10 years.



Some courses have assumed knowledge and/or requisites; please see each [Course Handbook](#). The [Program Handbook](#) has valuable information on program structure and requirements. If you intend to vary from this plan, eg studying part time, please seek advice from your [Program Advisor](#).

Directed Courses

Subject to change - Please refer to the [program handbook](#) for up to date information.

| | |
|---|---|
| Choose 10 units from the following directed courses. | COMP3260 Data Security |
| | COMP3290 Compiler Design |
| | COMP3320 Computer Graphics |
| | COMP3330 Machine Intelligence |
| | COMP3340 Data Mining |
| | COMP3350 Advanced Database |
| | COMP4110 Special Topic A |
| | COMP4120 Special Topic B |
| | COMP4130 Special Topic C |
| | COMP4240 Special Topic G |
| | SENG4150 Special Topics in Software Engineering |
| SENG4160 Directed Studies in Software Engineering | |

Helpful Hints & Tips

ENROLMENT HELP



Need help? >>
Ask UON >>



How do I use the Web Timetable? >>

RULES

It is important to follow this Program Plan.

You cannot repeat a course you've passed to try and get a better grade.

You cannot enrol in any extra courses not required by your program >>

INFO FOR NEW STUDENTS



First year undergraduate students usually only enrol in 1000 level courses >>

New Postgraduate students should only enrol in 6000 level courses >>



Find out all you need to know about getting started at uni >>

UNDERSTANDING COURSES & PROGRAMS



Not sure what courses to study? >>



Understanding program and course jargon >>



Understanding UON Jargon >>

PRIOR STUDY



Check you have met the assumed knowledge and requisites for courses before enrolling >>



Have you studied elsewhere or transferred programs? Don't forget to apply for credit >>

CONSIDERING A BREAK?



Need to take a break? This is called a 'leave of absence'. Check if you are eligible >>



Planning on going overseas? Keep electives free, so it's easier for you to receive credit for your overseas studies >>



UON offers a range of support services to assist with your health and wellbeing >>

MORE QUESTIONS?

We are here to answer questions about your program. Talk to us your way!

- Ask UON
- 1300 ASK UON
- Visit Student Central
- Message us on Facebook
- or Twitter
- UONline via myUON