

# Bachelor of Engineering (Honours) (Software)



Commencing in Semester 2 2017/18



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

Year 1				
Year 2	<a href="#">ENGG1500</a> Introduction to Professional Engineering	<a href="#">SENG1120</a> Data Structures	<a href="#">SENG2050</a> Web Engineering	<a href="#">SENG2130</a> Systems Analysis and Design
Year 3	<a href="#">COMP1010</a> Computing Fundamentals	<a href="#">ENGG2500</a> Sustainable Engineering Practice	<a href="#">SENG2200</a> Programming Languages and Paradigms	<a href="#">SENG3150</a> Software Project 1
Year 4	<a href="#">ELECTIVE PATHWAY</a> or <a href="#">DIRECTED COURSE</a> <i>You must complete 10 units of directed courses in this program</i>	<a href="#">ENGG3500</a> Managing Engineering Projects	<a href="#">SENG3320</a> Software Verification and Validation	<a href="#">SENG4211A</a> Software Engineering Final Year Project Part A
Year 5	<a href="#">ELECTIVE PATHWAY</a>	<a href="#">ENGG4500</a> Engineering Complexity	<a href="#">SENG4430</a> Software Quality	<a href="#">SENG4400</a> Enterprise SW Architecture

## Semester 2

<a href="#">MATH1110</a> * Mathematics for Engineering, Science and Technology 1	<a href="#">MATH1510</a> Discrete Mathematics	<a href="#">SENG1050</a> Web Technologies	<a href="#">SENG1110</a> Object Oriented Programming
<a href="#">COMP1140</a> Database and Information Management	<a href="#">COMP2230</a> Algorithms	<a href="#">COMP2240</a> Operating Systems	<a href="#">SENG2260</a> Human-Computer Interaction
<a href="#">SENG2250</a> Computing Security	<a href="#">SENG3160</a> Software Project 2	<a href="#">SENG3400</a> Network and Distributed Computing	<a href="#">ELECTIVE PATHWAY</a>
<a href="#">SENG4211B</a> Software Engineering Final Year Project Part B (20 units)  <i>This course <b>must</b> be taken in the semester immediately following SENG4211A</i>	<a href="#">ELECTIVE PATHWAY</a>	<a href="#">ELECTIVE PATHWAY</a> or <a href="#">DIRECTED COURSE</a> <i>You must complete 10 units of directed courses in this program</i>	

Program Plan Key: = Core = Directed = Elective Pathway

= [Compulsory Program Requirement](#)

Professional Practice: Industrial Experience 12 weeks

**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 [industrial experience](#).
- ✓ 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 <b>10 units</b> from the following directed courses.	<a href="#">COMP3260</a> Data Security (S1 2018)
	<a href="#">COMP3290</a> Compiler Design (S2 2018)
	<a href="#">COMP3320</a> Computer Graphics (S2 2018)
	<a href="#">COMP3330</a> Machine Intelligence (S1 2018)
	<a href="#">COMP3340</a> Data Mining ( <i>not currently offered</i> )
	<a href="#">COMP3350</a> Advanced Database ( <i>not currently offered</i> )
	<a href="#">COMP4110</a> Special Topic A (S2 2018)
	<a href="#">COMP4120</a> Special Topic B (S1 2018)
	<a href="#">COMP4130</a> Special Topic C (S1 2018)
	<a href="#">COMP4240</a> Special Topic G (S2 2018)
	<a href="#">SENG4150</a> Special Topics in Software Engineering ( <i>not currently offered</i> )
	<a href="#">SENG4160</a> Directed Studies in Software Engineering ( <i>not currently offered</i> )

# 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 a Student Hub
- Message us on Facebook
- or Twitter
- UONline via myUON