

Bachelor of Computer Systems Engineering (Honours)



Commencing in Semester 1, 2017, 2018 or 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 1	ENGG1500 Introduction to Professional Engineering	ENGG1003 Introduction to Procedural Programming	MATH1110* Mathematics for Engineering, Science and Technology 1	SENG1110 Object Oriented Programming	ELEC1310 Introduction to Electrical Engineering	ELEC1710 Digital and Computer Electronics 1	MATH1120 Mathematics for Engineering, Science and Technology 2	PHYS1220 Advanced Physics II
Year 2	ELEC2320 Electrical and Electronic Circuits	ENGG2500 Sustainable Engineering Practice	ELEC2720 Introduction to Embedded Computing	SENG1120** Data Structures <i>OR</i> ELECTIVE PATHWAY	SENG1120* Data Structures <i>OR</i> ELECTIVE PATHWAY	STAT2110 Engineering Statistics	SENG2250 System and Network Security	ELEC2430 Circuits and Signals
Year 3	SENG2050 Web Engineering	ENGG3500 Managing Engineering Projects	ELEC3730 Digital and Computer Electronics 2	ELECTIVE PATHWAY	ELEC3850 Electrical Engineering Design and Practice	ELEC3540 Analog and Digital Communications	ELEC3500 Telecommunication Networks	ELEC3240 Analog Electronics
Year 4	ELECTIVE PATHWAY 2000 level or higher	ELECTIVE PATHWAY	DIRECTED	ELEC4840A Final Year Engineering Project Part A	ELEC4840B Final Year Engineering Project Part B (20 units) <i>This course must be taken following ELEC4840A</i>	ELEC4720 Programmable Logic Design	ENGG4500 Engineering Complexity	

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 - 280 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](#).
 - ** SENG1120 – In Year 2, this course can be taken in either Semester 1 *or* Semester 2. Students should choose one 10-unit Elective in the other Semester.
- ✓ Elective Pathway - 40 units. Please note that 10 units of these electives must be taken at the 2000 level or higher. Visit the [Program Handbook](#) for more information.
- ✓ Students must not exceed 120 units at 1000 level in this program.
- ✓ It is a requirement that students complete a total of 12 weeks of [industrial experience](#).
- ✓ The duration of this program is four 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 refer to the individual [Course Handbook](#). The [Program Handbook](#) has valuable information on program structure and requirements, if you are intending on studying part time or varying from this program plan please seek prior advice from your [Program Advisor](#).



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Directed Courses

Subject to change - Please refer to the program handbook for up to date information.

Choose **10 units** from the
Computer Systems Directed
Course List

ELEC3400	Signal Processing
ELEC4210	Electronics Design
ELEC4700	Advanced Computer Systems
PHYS3360	Advanced Electromagnetism

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

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