

Bachelor of Civil Engineering (Honours)/Bachelor of Surveying (Honours)



Commencing in Semester 2, 2017 to 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.

See the next page for some helpful hints & tips!



Semester 1

Year 1				
Year 2	ENGG1500 Introduction to Professional Engineering	MATH1120 Mathematics for Engineering, Science and Technology 2	PHYS1205** Fundamentals of Engineering Physics	SURV1200 Introduction to Surveying
Year 3	CIVL2040 Engineering Probabilities	CIVL2060 Numerical Methods	CIVL2130 Theory of Structures 1	SURV2210 Engineering Surveying
Year 4	LEGL2009 Survey and Engineering Law	SURV3510 Geodesy 1	SURV3350 Analysis of Observations	CIVL4330 Hydrology
Year 5	ENGG2500 Sustainable Engineering Practice	CIVL3170 Steel Design	CIVL3180 Theory of Structures 2	CIVL3280 Geomechanics 2
Year 6	ENGG3500 Managing Engineering Projects	CIVL4201 Geotechnical and Geoenvironmental Engineering	SURV4110 Industrial Surveying	SURV4410 Astronomy and Satellite Positioning

Semester 2

CIVL1100 Fundamentals of Engineering Mechanics	CIVL1200 Earth Systems	ENGG1002 Introduction to Engineering Computations	MATH1110* Mathematics for Engineering, Science and Technology 1
CIVL2310 Fluid Mechanics	CIVL2240 Civil Engineering Materials	SURV2220 Surveying Methods and Equipment	SURV2230 Surveying Techniques and Computations
CIVL2720 Transportation Engineering and Design	CIVL2282 Introduction to Geomechanics	CIVL3160 Reinforced Concrete Design	SURV3650 Spatial Data Systems and Remote Sensing
SURV3610 Photogrammetry 1	CIVL3840 Advanced Analysis for Design	CIVL4450 Water Engineering	SURV3930 Land Boundary Definition
CIVL4660 Project S2	SURV4730 Town Planning	Civil Engineering Design Core Course #	Civil Engineering Design Core Course #

Program Plan Key: = Core = Civil Engineering Design Core Course
Term offerings for Civil Engineering Design Core Courses are subject to change.
 = [Compulsory Program Requirement](#)

Professional Practice: Industrial Experience 12 weeks

To be eligible to graduate make sure you have completed **400 units** (10 units = 1 course unless otherwise specified) which meet the following criteria:

✓ Core courses –380 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](#).

** PHYS courses. Students may choose to undertake PHYS1210 Advanced Physics 1 in lieu of PHYS1205 with Program Convenor approval.

Civil Engineering Design Core Course – 20 units. More information in your [Program Handbook](#).

✓ It is also a requirement that students complete a total of 12 weeks of [industrial experience](#).

✓ The duration of this program is 5 years full time (40 units per semester) or part time equivalent.

✓ The maximum time to complete this program is 12 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](#).

Civil Engineering Design Core Course – 20 units.

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

Choose **20 units** from the following **Civil Engineering Design Core** courses.

[CIVL4521](#) Structural Engineering Project
[CIVL4541](#) Water Engineering Project
[CIVL4571](#) Geotechnical Engineering Project

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