

PROGRAM PLAN

BACHELOR OF SURVEYING (HONOURS)

PROGRAM OPTION:
Full time or Part time

START DATE:
Semester 2, 2017 - 2020

LOCATION:
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 advice from your Academic Program Advisor to ensure you remain on track.

 [PROGRAM HANDBOOK](#)

 [COURSE HANDBOOK](#)

NAME:

STUDENT NO.:

COURSE STATUS KEY

C = Completed

En = Enrolled

NS = Not Started

YEAR 1

SEMESTER 2	CIVL1100 Fundamentals of Engineering Mechanics CORE	MATH1110* Mathematics for Engineering, Science and Technology 1 CORE (Replaces option of MATH1110 OR MATH1210)	PHYS1205** Fundamentals of Engineering Physics CORE <i>In 2021 changed from Sem 1 to Sem 2</i>	ELECTIVE PATHWAY
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YEAR 2

SEMESTER 1	ENGG1003 Introduction to Procedural Programming CORE <i>Replaces ENGG1002 In 2021 changed from Sem 2 to Sem 1</i>	ENGG1500 Introduction to Professional Engineering CORE	MATH1120* Mathematics for Engineering, Science and Technology 2 CORE (Replaces option of MATH1120 OR MATH1220)	SURV1200 Introduction to Surveying CORE
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SEMESTER 2	ENGG2300 Engineering Fluid Mechanics CORE <i>Replaces CIVL2310</i>	ENGG2500 Sustainable Engineering Practice CORE	ELECTIVE PATHWAY	ELECTIVE PATHWAY
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YEAR 3

SEMESTER 1	CIVL2060 Numerical Methods CORE	ENGG2100 Engineering Risk & Uncertainty CORE <i>Replaces CIVL2040</i>	LEGL2009 Survey and Engineering Law CORE	SURV2210 Engineering Surveying CORE
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SEMESTER 2	SURV2220 Surveying Methods and Equipment CORE	SURV2230 Surveying Techniques and Computations CORE	SURV3610 Photogrammetry CORE	SURV3650 GIS and Remote Sensing CORE
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YEAR 4

SEMESTER 1	ELECTIVE PATHWAY	CIVL3330 Hydrology CORE <i>Replaces CIVL4330</i>	SURV3350 Analysis of Observations CORE	SURV3510 Geodesy 1 CORE
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SEMESTER 2	SURV4850A^ Project - Part A CORE	CIVL4450 Water Engineering CORE	SURV3930 Land Boundary Definition CORE	SURV4730 Town Planning CORE
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YEAR 5

SEMESTER 1	ENGG3500 Managing Engineering Projects CORE	SURV4110 Industrial Surveying CORE	SURV4410 Astronomy and Satellite Positioning CORE	SURV4850B^ Project - Part B CORE <i>This must be completed in the semester immediately following SURV4850A</i>
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COMPULSORY PROFESSIONAL PRACTICE: INDUSTRIAL EXPERIENCE 12 WEEKS

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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

* **Maths courses**

Prior to 2021, students could choose to complete either MATH1110 and MATH1120, **OR** MATH1210 and MATH1220. Choice of maths courses is based on your assumed knowledge. To find out which MATH course you should enrol in please see the [Enrolling in Maths information](#). More information is in your [Program Handbook](#). Note that due to course offerings it is recommended midyear commencing students take MATH1110 and MATH1120, and that you also consider the University's [Summer School](#) offerings following your first semester.

After 2021, the option to do MATH1210 and MATH1220 has been removed from the program. **From 2021 onwards:** 1) if you have not yet completed MATH1210 you must complete MATH1110; and 2) if you haven't completed MATH1220 then you must complete MATH1120. 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 count PHYS1210 Advanced Physics 1 in lieu of PHYS1205 with Program Convenor approval.

^ Students can choose to complete both SURV4850A and SURV4850B (20 units over 2 semesters) OR SURV4850 (20 units in 1 semester OR Semester 2). Students who wish to choose SURV4850 must first obtain Program Convenor approval.

- Elective Pathway – 40 units, visit the [Program Handbook](#) for more information.
- 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 refer to the individual [Course Handbook](#). Please refer to the [Program Handbook](#) for specific information on program structure. If you are intending varying from this program plan please seek advice from your [Program Advisor](#).