

# PROGRAM PLAN BACHELOR OF SURVEYING (HONOURS)

**PROGRAM OPTION:**  
Full time or Part time

**START DATE:**  
Semester 1, 2021

**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	Semester	Course	Core	Course	Core	Course	Core	Course	Core
YEAR 1	SEMESTER 1	<b>ENGG1003</b> Introduction to Procedural Programming	CORE	<b>ENGG1500</b> Introduction to Professional Engineering	CORE	<b>MATH1110*</b> Mathematics for Engineering, Science and Technology 1	CORE	<b>SURV1200</b> Introduction to Surveying	CORE
		SEMESTER 2	<b>CIVL1100</b> Fundamentals of Engineering Mechanics	CORE	<b>MATH1120</b> Mathematics for Engineering, Science and Technology 2	CORE	<b>PHYS1205**</b> Fundamentals of Engineering Physics	CORE	<b>ELECTIVE PATHWAY</b>
YEAR 2	SEMESTER 1		<b>CIVL2060</b> Numerical Methods	CORE	<b>ENGG2100</b> Engineering Risk and Uncertainty	CORE	<b>LEGL2009</b> Survey and Engineering Law	CORE	<b>SURV2210</b> Engineering Surveying
		SEMESTER 2	<b>ENGG2300</b> Engineering Fluid Mechanics	CORE	<b>ENGG2500</b> Sustainable Engineering Practice	CORE	<b>SURV2220</b> Surveying Methods and Equipment	CORE	<b>SURV2230</b> Surveying Techniques and Computations
YEAR 3	SEMESTER 1		<b>ELECTIVE PATHWAY</b>		<b>CIVL3330</b> Hydrology	CORE	<b>SURV3350</b> Analysis of Observations	CORE	<b>SURV3510</b> Geodesy 1
		SEMESTER 2	<b>CIVL4450</b> Water Engineering	CORE	<b>SURV3610</b> Photogrammetry	CORE	<b>SURV3650</b> GIS and Remote Sensing	CORE	<b>SURV3930</b> Land Boundary Definition
YEAR 4	SEMESTER 1		<b>ENGG3500</b> Managing Engineering Projects	CORE	<b>SURV4110</b> Industrial Surveying	CORE	<b>SURV4410</b> Astronomy and Satellite Positioning	CORE	<b>SURV4850A#</b> Project - Part A
		SEMESTER 2	<b>SURV4850B#</b> Project - Part B <i>This must be completed in the semester immediately following SURV4850A</i>	CORE	<b>SURV4730</b> Town Planning	CORE	<b>ELECTIVE PATHWAY</b>		<b>ELECTIVE PATHWAY</b>

COMPULSORY PROFESSIONAL PRACTICE: INDUSTRIAL EXPERIENCE 12 WEEKS

# PROGRAM PLAN

## BACHELOR OF SURVEYING (HONOURS)

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](#).
  - \*\* 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 [Academic Program Advisor](#).