

# PROGRAM PLAN

## BACHELOR OF SURVEYING (HONOURS)/ BACHELOR OF BUSINESS

**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 1

SEMESTER 2	<b>CIVL1100</b> Fundamentals of Engineering Mechanics	<b>ECON1001<sup>^</sup></b> Microeconomics for Business Decisions	<b>MATH1110</b> Mathematics for Engineering, Science and Technology 1	<b>PHYS1205*</b> Fundamentals of Engineering Physics
	CORE	CORE	CORE	CORE

YEAR 2

SEMESTER 1	<b>ENGG1003</b> Introduction to Procedural Programming	<b>ENGG1500</b> Introduction to Professional Engineering	<b>MATH1120</b> Mathematics for Engineering, Science and Technology 2	<b>MNGT1001<sup>^</sup></b> Introduction to Management	<b>SURV1200</b> Introduction to Surveying
	CORE	CORE	CORE	CORE	CORE

SEMESTER 2	<b>ACFI1001<sup>^</sup></b> Accounting for Decision Makers	<b>ACFI1003<sup>^</sup></b> Introduction to Finance	<b>DIRECTED</b> 1000 LEVEL	<b>ENGG2300</b> Engineering Fluid Mechanics
	CORE	CORE	MAJOR	CORE

YEAR 3

SEMESTER 1	<b>CIVL2060</b> Numerical Methods	<b>ENGG2100</b> Engineering Risk and Uncertainty	<b>LEGL1001<sup>^</sup></b> Foundations of Law	<b>SURV2210</b> Engineering Surveying
	CORE	CORE	CORE	CORE

SEMESTER 2	<b>MAJOR<sup>^</sup></b> 2000 LEVEL	<b>MKTG1001<sup>^</sup></b> Foundations of Marketing	<b>SURV2220</b> Surveying Methods and Equipment	<b>SURV2230</b> Surveying Techniques and Computations
	MAJOR	CORE	CORE	CORE

YEAR 4

SEMESTER 1	<b>CIVL3330</b> Hydrology	<b>LEGL2009</b> Survey and Engineering Law	<b>SURV3350</b> Analysis of Observations	<b>SURV3510</b> Geodesy 1
	CORE	CORE	CORE	CORE

SEMESTER 2	<b>CIVL4450</b> Water Engineering	<b>SURV3610</b> Photogrammetry	<b>SURV3650</b> GIS and Remote Sensing	<b>SURV3930</b> Land Boundary Definition
	CORE	CORE	CORE	CORE

YEAR 5

SEMESTER 1	<b>ENGG3500</b> Managing Engineering Projects	<b>MAJOR<sup>^</sup></b> 2000 LEVEL	<b>MAJOR<sup>^</sup></b> 3000 LEVEL	<b>MAJOR<sup>^</sup></b> 3000 LEVEL
	CORE	MAJOR	MAJOR	MAJOR

SEMESTER 2	<b>ENGG2500</b> Sustainable Engineering Practice	<b>MAJOR<sup>^</sup></b> 3000 LEVEL	<b>SURV4730</b> Town Planning	<b>SURV4850A#</b> Project - Part A
	CORE	MAJOR	CORE	CORE

YEAR 6

SEMESTER 1	<b>MAJOR<sup>^</sup></b> 3000 LEVEL	<b>SURV4110</b> Industrial Surveying	<b>SURV4410</b> Astronomy and Satellite Positioning	<b>SURV4850B#</b> Project - Part B
	MAJOR	CORE	CORE	CORE

COMPULSORY PROFESSIONAL PRACTICE: INDUSTRIAL EXPERIENCE 12 WEEKS

# PROGRAM PLAN

## BACHELOR OF SURVEYING (HONOURS)/ BACHELOR OF BUSINESS

To be eligible to graduate make sure you have completed 410 units (10 units = 1 course unless otherwise specified) which meet the following criteria:

- Core courses – 340 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 is in your [Program Handbook](#).
  - \* PHYS courses. Students may count PHYS1205 in lieu of PHYS1210 with Program Convenor approval.
  - ^ Please note you can choose to study these core and major Bachelor of Business courses in a different order than is listed here, depending on your preferences and the availability/timetable.
  - # 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.
- Major – 70 units.
  - If you are undertaking the Leadership and Management major, you will complete the following:
    - 30 units of major compulsory courses; please see [Program Handbook](#) for compulsory course list
    - 40 units of directed courses (10 units at a 1000 level, 10 units at a 2000 level and 20 units at a 3000 level).
  - If you are undertaking the Entrepreneurship and Innovation major, you will complete the following:
    - 40 units of major compulsory courses; please see [Program Handbook](#) for compulsory course list
    - 30 units of directed courses (10 units at a 2000 level and 20 units at a 3000 level).
- 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 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](#). 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](#).

# PROGRAM PLAN

## BACHELOR OF SURVEYING (HONOURS)/ BACHELOR OF BUSINESS

### LEADERSHIP AND MANAGEMENT MAJOR

#### COMPULSORY COURSES

Complete 30 units from:

**MNGT2005** Leadership and Ethics  
**MNGT3011** Leading Organisational Change  
**MNGT3012** Strategic Business Management

#### DIRECTED COURSES

Complete 10 units from the following 1000 level Business directed courses:

*Note: MNGT1002 is Recommended*

**IBUS1000** Managing International Business Risk  
**IRHR1002** Dynamics of People and Work in Organisations  
**LEIS1000** Leisure Behaviour and Organisation  
**MNGT1002** Introduction to Entrepreneurship and Innovation  
**POLI1010** Australian Politics and Government

#### DIRECTED COURSES

Complete 10 units from the following 2000 level Business directed courses:

**MNGT2002** Business Venturing  
**MNGT2006** Decision Making Under Uncertainty

#### DIRECTED COURSES

Complete 20 units from the following 3000 level Business directed courses (Note: Students can only count one of BUSN3001, BUSN3002 or BUSN3500 towards the major):

**BUSN3001** Project in Business  
**BUSN3002** Industry Placement  
**BUSN3500** International Work Placement in Business  
**MNGT3002** Knowledge Management  
**MNGT3008** Advanced Innovation Management  
**MNGT3009** Business Development and Growth

### ENTREPRENEURSHIP AND INNOVATION MAJOR

#### COMPULSORY COURSES

Complete 40 units from:

**MNGT1002** Introduction to Entrepreneurship and Innovation  
**MNGT2002** Business Venturing  
**MNGT2007** Ideation in Enterprise  
**MNGT3016** Innovation and Entrepreneurial Strategy

#### DIRECTED COURSES

Complete 10 units from the following 2000 level Business directed courses:

**MNGT2004** Managing Innovation  
**MNGT2006** Decision Making Under Uncertainty

#### DIRECTED COURSES

Complete 20 units from the following 3000 level Business directed courses:

**BUSN3002** Industry Placement  
**MNGT3002** Knowledge Management  
**MNGT3007** Social Entrepreneurship  
**MNGT3008** Advanced Innovation Management  
**MNGT3009** Business Development and Growth