

PROGRAM PLAN

BACHELOR OF SURVEYING (HONOURS)/ BACHELOR OF BUSINESS

PROGRAM OPTION:

Full time or Part time

START DATE:

Semester 1, 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 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	DESCRIPTION	LEVEL
YEAR 1	SEMESTER 1	ENGG1500	Introduction to Professional Engineering	CORE
	SEMESTER 2	CIVL1100	Fundamentals of Engineering Mechanics	CORE
YEAR 2	SEMESTER 1	MATH1120	Mathematics for Engineering, Science and Technology 2	CORE
	SEMESTER 2	ECON1001	Microeconomics for Business Decisions	CORE
YEAR 3	SEMESTER 1	MNGT1001	Introduction to Management	CORE
	SEMESTER 2	ENGG1002	Introduction to Engineering Computations	CORE
YEAR 4	SEMESTER 1	PHYS1205**	Fundamentals of Engineering Physics	CORE
	SEMESTER 2	MATH1110*	Mathematics for Engineering, Science and Technology 1	CORE
YEAR 5	SEMESTER 1	SURV1200	Introduction to Surveying	CORE
	SEMESTER 2	ACFI1001	Accounting for Decision Makers	CORE
YEAR 6	SEMESTER 1	CIVL2040	Engineering Probabilities	CORE
	SEMESTER 2	ACFI1003	Introduction to Finance	CORE
YEAR 7	SEMESTER 1	CIVL2060	Numerical Methods	CORE
	SEMESTER 2	CIVL2310	Fluid Mechanics	CORE
YEAR 8	SEMESTER 1	LEGL1001	Foundations of Law	CORE
	SEMESTER 2	DIRECTED	1000 LEVEL	MAJOR
YEAR 9	SEMESTER 1	SURV2210	Engineering Surveying	CORE
	SEMESTER 2	MKTG1001	Foundations of Marketing	CORE
YEAR 10	SEMESTER 1	CIVL4330	Hydrology	CORE
	SEMESTER 2	SURV2220	Surveying Methods and Equipment	CORE
YEAR 11	SEMESTER 1	SURV3350	Analysis of Observations	CORE
	SEMESTER 2	SURV2230	Surveying Techniques and Computations	CORE
YEAR 12	SEMESTER 1	SURV3510	Geodesy 1	CORE
	SEMESTER 2	MAJOR	2000 LEVEL	MAJOR
YEAR 13	SEMESTER 1	LEGL2009	Survey and Engineering Law	CORE
	SEMESTER 2	MAJOR	3000 LEVEL	MAJOR
YEAR 14	SEMESTER 1	CIVL4450	Water Engineering	CORE
	SEMESTER 2	SURV3610	Photogrammetry	CORE
YEAR 15	SEMESTER 1	SURV3650	Spatial Data Systems and Remote Sensing	CORE
	SEMESTER 2	SURV3930	Land Boundary Definition	CORE
YEAR 16	SEMESTER 1	ENGG2500	Sustainable Engineering Practice	CORE
	SEMESTER 2	SURV4730	Town Planning	CORE
YEAR 17	SEMESTER 1	ENGG3500	Managing Engineering Projects	CORE
	SEMESTER 2	SURV4850A#	Project - Part A	CORE
YEAR 18	SEMESTER 1	MAJOR	3000 LEVEL	MAJOR
	SEMESTER 2	MAJOR	3000 LEVEL	MAJOR
YEAR 19	SEMESTER 1	MAJOR	3000 LEVEL	MAJOR
	SEMESTER 2	MAJOR	3000 LEVEL	MAJOR
YEAR 20	SEMESTER 1	SURV4110	Industrial Surveying	CORE
	SEMESTER 2	SURV4850B#	Project - Part B	CORE
YEAR 21	SEMESTER 1	SURV4410	Astronomy and Satellite Positioning	CORE
	SEMESTER 2	MAJOR	3000 LEVEL	MAJOR
YEAR 22	SEMESTER 1	MAJOR	3000 LEVEL	MAJOR
	SEMESTER 2	MAJOR	3000 LEVEL	MAJOR

COMPULSORY PROFESSIONAL PRACTICE: INDUSTRIAL EXPERIENCE 12 WEEKS

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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 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.
- 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 [Program Advisor](#).

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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 Innovations
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