

PROGRAM PLAN

BACHELOR OF CIVIL ENGINEERING (HONOURS)/ BACHELOR OF BUSINESS

PROGRAM OPTION:

Full 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 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	CATEGORY
YEAR 1	SEMESTER 1	ENGG1003	Introduction to Procedural Programming	CORE
		ENGG1500	Introduction to Professional Engineering	CORE
YEAR 1	SEMESTER 2	CIVL1100	Fundamentals of Engineering Mechanics	CORE
		CIVL1200	Earth Systems	CORE
YEAR 2	SEMESTER 1	MATH1110*	Mathematics for Engineering, Science and Technology 1	CORE
		ENGG2100	Engineering Risk & Uncertainty	CORE
YEAR 2	SEMESTER 2	CIVL2240	Civil Engineering Materials	CORE
		CIVL2282	Introduction to Geomechanics	CORE
YEAR 3	SEMESTER 1	CIVL3170	Steel Design	CORE
		CIVL3280	Geomechanics 2	CORE
YEAR 3	SEMESTER 2	CIVL3160	Reinforced Concrete Design	CORE
		CIVL3840	Advanced Analysis for Design	CORE
YEAR 4	SEMESTER 1	ACFI1001 ^	Accounting for Decision Makers	CORE
		ECON1001 ^	Microeconomics for Business Decisions	CORE
YEAR 4	SEMESTER 2	ACFI1003 ^	Introduction to Finance	CORE
		MNGT1001 ^	Introduction to Management	CORE
YEAR 5	SEMESTER 1	LEGL1001 ^	Foundations of Law	CORE
		MKTG1001 ^	Foundations of Marketing	CORE
YEAR 5	SEMESTER 2	MAJOR ^		MAJOR
		CIVL4201	Geotechnical and Geoenvironmental Engineering	CORE
		CIVL4640 Ω	Project S1	CORE
		ENGG3500	Managing Engineering Projects	CORE
		CIVL4450	Water Engineering	CORE
		ENGG2500	Sustainable Engineering Practice	CORE
		MAJOR ^		MAJOR
		MAJOR ^		MAJOR
		MAJOR ^		MAJOR
		Civil Engineering Design#		CORE
		Civil Engineering Design#		CORE

COMPULSORY PROFESSIONAL PRACTICE: INDUSTRIAL EXPERIENCE 12 WEEKS

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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:

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

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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 (which includes 20 units of mathematics core courses, 20 units of civil engineering design core courses and 10 units of project core courses)
 - Maths courses*
 - * Enrolment in 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](#).
 - ** PHYS courses. Students may count PHYS1210 Advanced Physics 1 in lieu of PHYS1205 with Program Convenor approval.
 - Ω Project Core Course – 10 units. Students may choose either CIVL4640 Project S1 **OR** CIVL4660 Project S2, whichever best fits their program. Course content and assessment are identical.
 - # Civil Engineering Design Core Course – 20 units. More information in your **Program Handbook**.
 - ^ 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.
- 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)
- No more than 120 units at 1000 level will count towards each individual degree
- 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](#).