PROGRAM PLAN
BACHELOR OF CIVIL ENGINEERING (HONOURS)/ BACHELOR OF BUSINESS

PROGRAM OPTION:
Full or part time

START DATE:
Semester 2, 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	CIVL1100 Fundamentals of Engineering Mechanics CORE	CIVL1200 Earth Systems CORE	MATH1110* Mathematics for Engineering, Science and Technology 1 CORE	PHYS1205** Fundamentals of Engineering Physics CORE
YEAR 2	SEMESTER 1	ENGG1003 Introduction to Procedural Programming CORE	ENGG1500 Introduction to Professional Engineering CORE	MATH1120 Mathematics for Engineering, Science and Technology 2 CORE	SURV1200 Introduction to Surveying CORE
	SEMESTER 2	CIVL2240 Civil Engineering Materials CORE	CIVL2282 Introduction to Geomechanics CORE	ENGG2300 Engineering Fluid Mechanics CORE	LEGL1001 ^ Foundations of Law CORE
YEAR 3	SEMESTER 1	CIVL2060 Numerical Methods CORE	CIVL2130 Theory of Structures 1 CORE	CIVL2720 Transportation Engineering and Design CORE	ENGG2100 Engineering Risk & Uncertainty CORE
	SEMESTER 2	ACFI1003 ^ Introduction to Finance CORE	ECON1001 ^ Microeconomics for Business Decisions CORE	ENGG2500 Sustainable Engineering Practice CORE	MKTG1001 ^ Foundations of Marketing CORE	MNGT1001 ^ Introduction to Management CORE
YEAR 4	SEMESTER 1	CIVL3170 Steel Design CORE	CIVL3180 Theory of Structures 2 CORE	CIVL3280 Geomechanics 2 CORE	CIVL3330 Hydrology CORE
	SEMESTER 2	CIVL3160 Reinforced Concrete Design CORE	CIVL3840 Advanced Analysis for Design CORE	CIVL4450 Water Engineering CORE	MAJOR ^
YEAR 5	SEMESTER 1	MAJOR ^	MAJOR ^	MAJOR ^	ACFI1001 ^ Accounting for Decision Makers CORE
	SEMESTER 2	Civil Engineering Design# CORE	Civil Engineering Design# CORE	MAJOR ^	MAJOR ^
YEAR 6	SEMESTER 1	MAJOR ^	CIVL4201 Geotechnical and Geoenvironmental Engineering CORE	CIVL4640 Ω Project S1 CORE	ENGG3500 Managing Engineering Projects 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 (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

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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**.