

PROGRAM PLAN

BACHELOR OF CHEMICAL ENGINEERING (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 1	CHEM1010 Introductory Chemistry I CORE	ENGG1003 Introduction to Procedural Programming CORE	ENGG1500 Introduction to Professional Engineering CORE	MATH1110 Mathematics for Engineering, Science and Technology 1 CORE	SEMESTER 2	CHEE1000 Process Engineering Principles CORE	CHEM1020 Introductory Chemistry II CORE	MATH1120 Mathematics for Engineering, Science and Technology 2 CORE	PHYS1210* Advanced Physics I CORE
	YEAR 2	SEMESTER 1	CHEE2325 Thermodynamics of Chemical Processes CORE	CHEE2695 Energy Transfer and Technologies CORE	CHEE2945 Particle and Resources Engineering CORE	MATH2310 Calculus of Science and Engineering CORE	SEMESTER 2	ENGG2300 Engineering Fluid Mechanics CORE	ENGG2500 Sustainable Engineering Practice CORE	CHEE2825 Chemical & Renewables Engineering Laboratory CORE
YEAR 3	SEMESTER 1	CHEE3325 Chemical Reactor Design CORE	CHEE3425 Chemical Process Safety CORE	CHEE3735 Mass Transfer Processes CORE	ENGG3500 Managing Engineering Projects CORE	SEMESTER 2	ACFI1001^ Accounting for Decision Makers CORE	ECON1001^ Microeconomics for Business Development CORE	CHEE3745 Process Modelling and Separation Processes CORE	CHEE3825 Chemical Engineering Laboratory 2 CORE
YEAR 4	SEMESTER 1	MAJOR^	MAJOR^	MKTG1001^ Foundations of Marketing CORE	MNGT1001^ Introduction to Management CORE	SEMESTER 2	ACFI1003^ Introduction to Finance CORE	LEGL1001^ Foundations of Law CORE	MAJOR^	MAJOR^
YEAR 5	SEMESTER 1	MAJOR^	CHEE4475 Dynamic Process Simulations and Control CORE	CHEE4945A Design Project A CORE	CHEE4975A Chemical Engineering Research A CORE	SEMESTER 2	CHEE4945B Design Project B CORE <i>This must be completed in the semester immediately following CHEE4945A</i>	CHEE4975B Chemical Engineering Research B CORE <i>This must be completed in the semester immediately following CHEE4975A</i>	ENGG4500 Engineering Complexity CORE	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 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.

- 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).

- It is also a requirement that students complete a total of 12 weeks of [industrial experience](#).
- The duration of this program is 5 year full-time (40/50 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](#).

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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
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