

PROGRAM PLAN

BACHELOR OF CHEMICAL ENGINEERING (HONOURS)/BACHELOR OF BUSINESS

PROGRAM OPTION:
Full time 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	ACFI1001[^] Accounting for Decision Makers	CHEE1000 Process Engineering Principles	MATH1110 Mathematics for Engineering, Science and Technology 1	PHYS1210* Advanced Physics I
	CORE	CORE	CORE	CORE

YEAR 2

SEMESTER 1	CHEM1010 Introductory Chemistry I	ENGG1003 Introduction to Procedural Programming	ENGG1500 Introduction to Professional Engineering	MATH1120 Mathematics for Engineering, Science and Technology 2
	CORE	CORE	CORE	CORE
SEMESTER 2	ACFI1003[^] Introduction to Finance	CHEM1020 Introductory Chemistry II	ENGG2300 Engineering Fluid Mechanics	ENGG2500 Sustainable Engineering Practice
	CORE	CORE	CORE	CORE

YEAR 3

SEMESTER 1	CHEE2325 Thermodynamics of Chemical Processes	CHEE2695 Energy Transfer and Technologies	CHEE2945 Particle and Resources Engineering	MATH2310 Calculus of Science and Engineering
	CORE	CORE	CORE	CORE
SEMESTER 2	CHEE2825 Chemical & Renewables Engineering Laboratory	CHEE2935 Resource and Energy Optimisation	MKTG1001[^] Foundations of Marketing	MNGT1001[^] Introduction to Management
	CORE	CORE	CORE	CORE

YEAR 4

SEMESTER 1	CHEE3325 Chemical Reactor Design	CHEE3425 Chemical Process Safety	CHEE3735 Mass Transfer Processes	ENGG3500 Managing Engineering Projects
	CORE	CORE	CORE	CORE
SEMESTER 2	CHEE3745 Process Modelling and Separation Processes	CHEE3825 Chemical Engineering Laboratory 2	LEGL1001[^] Foundations of Law	MAJOR[^]
	CORE	CORE	CORE	MAJOR[^]

YEAR 5

SEMESTER 1	ECON1001[^] Microeconomics for Business Development	CHEE4475 Dynamic Process Simulations and Control	CHEE4945A Design Project A	CHEE4975A Chemical Engineering Research A
	CORE	CORE	CORE	CORE
SEMESTER 2	CHEE4945B Design Project B	CHEE4975B Chemical Engineering Research B	ENGG4500 Engineering Complexity	MAJOR[^]
	CORE <i>This must be completed in the semester immediately following CHEE4945A</i>	CORE <i>This must be completed in the semester immediately following CHEE4975A</i>	CORE	MAJOR[^]

YEAR 6

SEMESTER 1	MAJOR[^]	MAJOR[^]	MAJOR[^]	MAJOR[^]
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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
POL11010 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