

Bachelor of Chemical Engineering (Honours)/Bachelor of Business



Commencing in Semester 1, 2017 to 2019



Studying at Callaghan/Newcastle City Precinct

See the next page for some helpful hints & tips!



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 prior advice from your [Program Advisor](#) to ensure you remain on track.

Semester 1

Semester 2

Year 1	CHEM1010 Introductory Chemistry I	ENGG1003 Introduction to Procedural Programming	ENGG1500 Introduction to Professional Engineering	MATH1110* Mathematics for Engineering, Science and Technology 1
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CHEE1000 Chemical Engineering Principles	CHEM1020 Introductory Chemistry II	MATH1120 Mathematics for Engineering, Science and Technology 2	PHYS1210** Advanced Physics I
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Year 2	CHEE2325 Thermodynamics of Chemical Processes	CHEE2945 Particle and Resources Engineering	ENGG2500 Sustainable Engineering Practice	MATH2310 Calculus of Science and Engineering	DIRECTED 1000 level
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ACFI1003 Introduction to Finance	ECON1001 Microeconomics for Business Decisions	CHEE2315 Fluid Mechanics for Chemical Engineers	CHEE2695 Energy Transfer and Technologies
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Year 3	MNGT1001 Introduction to Management	CHEE3735 Mass Transfer Processes	ENGG3500 Managing Engineering Projects	MAJOR 2000 level
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MKTG1001 Foundations of Marketing	CHEE2825 Chemical Engineering Laboratory 1	CHEE2935 Sustainable Engineering Practices	MAJOR 2000 level
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Year 4	LEGL1001 Foundations of Law	CHEE3325 Chemical Reactor Design	CHEE4475 Dynamic Process Simulations and Control	MAJOR 3000 level
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ACFI1001 Accounting for Decision Makers	CHEE3425 Chemical Process Safety	CHEE3745 Process Modelling and Separation Processes	CHEE3825 Chemical Engineering Laboratory 2
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Year 5	CHEE4945A Chemical Engineering Design A	CHEE4975A Chemical Engineering Research A	MAJOR 3000 level	MAJOR 3000 level
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CHEE4945B Chemical Engineering Design B	CHEE4975B Chemical Engineering Research B	ENGG4500 Engineering Complexity	MAJOR 3000 level
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Professional Practice: Industrial Experience 12 weeks

Program Plan Key: = Core = Major = Directed = [Compulsory Program Requirement](#)

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.
- ✓ Major courses - 60 units (including all Compulsory and Directed courses for either the Leadership and Management Major or the Entrepreneurship and Innovation Major). Refer to the [Program Handbook](#) for the list of Major courses.
- ✓ Directed courses - 10 units. Refer to the [Program Handbook](#) for the list of Directed courses.
- ✓ 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](#).
The [Program Handbook](#) has valuable information on program structure and requirements, if you are intending on studying part time or varying from this program plan please seek prior advice from your [Program Advisor](#).



Bachelor of Engineering (Honours) (Chemical) / Bachelor of Business

Major Options

Subject to change - Please refer to the program handbook for up to date information.

Leadership and Management Major

Complete **30 units** of compulsory courses

- [MNGT2005](#) Leadership and Ethics
- [MNGT3011](#) Leading Organisational Change
- [MNGT3012](#) Strategic Business Management

Entrepreneurship and Innovation Major

Complete **40 units** of compulsory courses

- [MNGT2003](#) Entrepreneurial and Innovation Diversity
- [MNGT3006](#) Entrepreneurial Strategy (20 units)
- [MNGT3007](#) Social Entrepreneurship

Directed Courses

Choose **10 units** from the following 1000 level Business directed courses.

- [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

(Note: *MNGT1002* Recommended))

Directed Courses

Choose **10 units** from the following 1000 level Business directed courses.

- [MNGT1002](#) Introduction to Entrepreneurship and Innovation

Choose **10 units** from the following 2000 level Business directed courses.

- [MNGT2002](#) Business Venturing
- [MNGT2006](#) Decision Making under Uncertainty

Choose **10 units** from the following 2000 level Business directed courses.

- [MNGT2002](#) Business Venturing
- [MNGT2004](#) Managing Innovation

Choose **20 units** from the following 3000 level Business directed courses.

- [BUSN3001](#) Project in Business
- [MNGT3002](#) Knowledge Management
- [MNGT3008](#) Advanced Innovation Management
- [MNGT3009](#) Business Development and Growth

Choose **10 units** from the following 3000 level Business directed courses.

- [MNGT3002](#) Knowledge Management
- [MNGT3008](#) Advanced Innovation Management
- [MNGT3009](#) Business Development and Growth

Helpful Hints & Tips

ENROLMENT HELP



Need help? >>
Ask UON >>



How do I use the Web Timetable? >>

RULES

It is important to follow this Program Plan.

You cannot repeat a course you've passed to try and get a better grade.

You cannot enrol in any extra courses not required by your program >>

INFO FOR NEW STUDENTS



First year undergraduate students usually only enrol in 1000 level courses >>

New Postgraduate students should only enrol in 6000 level courses >>



Find out all you need to know about getting started at uni >>

UNDERSTANDING COURSES & PROGRAMS



Not sure what courses to study? >>



Understanding program and course jargon >>



Understanding UON Jargon >>

PRIOR STUDY



Check you have met the assumed knowledge and requisites for courses before enrolling >>



Have you studied elsewhere or transferred programs? Don't forget to apply for credit >>

CONSIDERING A BREAK?



Need to take a break? This is called a 'leave of absence'. Check if you are eligible >>



Planning on going overseas? Keep electives free, so it's easier for you to receive credit for your overseas studies >>



UON offers a range of support services to assist with your health and wellbeing >>

MORE QUESTIONS?

We are here to answer questions about your program. Talk to us your way!

Ask UON

1300 ASK UON

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