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 Plan

Bachelor of Chemical Engineering (Honours)/Bachelor of Science

Program Option:
Full time or Part time

Start Date:
Semester 1, 2019 - 2020

Location:
Callaghan

Semester 1

Year 1

CHEM1010 Introductory Chemistry I

ENG1003 Introduction to Procedural Programming

ENGG1500 Introduction to Professional Engineering

MATH1110* Mathematics for Engineering, Science and Technology 1

Semester 2

CHEE1000 Chemical Engineering Principles

CHEM1020 Introductory Chemistry II

MATH1120 Mathematics for Engineering, Science and Technology 2

PHYS1210** Advanced Physics I

Semester 1

Year 2

CHEE2315 Fluid Mechanics for Chemical Engineers

CHEE2695 Energy Transfer and Technologies

SCIE2002 Interdisciplinary Challenges

STAT2110 Engineering Statistics

Semester 2

Year 3

CHEE3745 Process Modelling and Separation Processes

CHEE3825 Chemical Engineering Laboratory 2

DIRECTED Chemistry of Advanced Materials 3000 level

ELECTIVE

Semester 1

Year 4

CHEE4945B Chemical Engineering Design B

CHEE4975B Chemical Engineering Research B

DIRECTED Chemistry of Advanced Materials 3000 level

ENG4500 Engineering Complexity

Semester 2

Year 5

CHEE4945A Chemical Engineering Design A

CHEE4975A Chemical Engineering Research A

CHEE4475 Dynamic Process Simulations and Control

Elective

Semester 2

Program Handbook

Course Handbook

Name:

STUDENT NO.:
To be eligible to graduate make sure you have completed 400 units (10 units = 1 course unless otherwise specified) which meet the following criteria:

- Core courses – 320 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.

- Compulsory Chemistry of Advanced Materials courses – 40 units.
- Directed Courses - 20 units of 3000 level Chemistry of Advanced Materials courses.
- Elective courses– 20 units, visit the Program Handbook for more information
- Students must not exceed 120 units at 1000 level in this program.
- 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 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 Program Advisor.
CHEMISTRY OF ADVANCED MATERIALS MAJOR

DIRECTED COURSES
Complete 20 units from the following 3000 level Chemistry of Advanced Materials Major Directed Course List:

- CHEM3210 Chemistry of Nanostructured Materials
- CHEM3560 Materials Chemistry: Solids and Semiconductors
- CHEM3580 Polymers and Colloids