### Bachelor of Chemical Engineering (Honours) / Bachelor of Science

**Program Plan**

#### Year 1
- **Semester 1:** CHEM1010 Introductory Chemistry I
- **Semester 2:** CHEE2945 Particle and Resources Engineering

#### Year 2
- **Semester 1:** CHEE3235 Thermodynamics of Chemical Processes
- **Semester 2:** CHEE3745 Process Modelling and Separation Processes

#### Year 3
- **Semester 1:** CHEE3325 Chemical Reactor Design
- **Semester 2:** CHEE4945B Chemical Engineering Design B

#### Year 4
- **Semester 1:** CHEE2935 Sustainable Engineering Practices
- **Semester 2:** CHEE3745 Process Modelling and Separation Processes

#### Year 5
- **Semester 1:** CHEE3325 Chemical Reactor Design
- **Semester 2:** CHEE4945B Chemical Engineering Design B

#### Year 6
- **Semester 1:** CHEM3410 Energy and Structure
- **Semester 2:** ENGG3500 Managing Engineering Projects

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**Program Option:** Full time or Part time  
**Start Date:** Semester 2, 2019 - 2020  
**Location:** Callaghan  
**Program Code:** 401097  
**CRICOS Code:** 088925E  
**CRICOS Provider:** 00109J  

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.

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**Course Status Key**
- **C** = Completed  
- **En** = Enrolled  
- **NS** = Not Started

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**Program Handbook**  
**Course Handbook**  
**Name:**  
**Student No.:**

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**COMPULSORY PROFESSIONAL PRACTICE: INDUSTRIAL EXPERIENCE 12 WEEKS**
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.
CHEMISTRY OF ADVANCED MATERIALS MAJOR

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

- CHEM3110 Instrumental Chemical Analysis
- CHEM3210 Chemistry of Nanostructured Materials
- CHEM3560 Materials Chemistry: Solids and Semiconductors
- CHEM3580 Polymers and Colloids