PROGRAM PLAN

BACHELOR OF CHEMICAL ENGINEERING (HONOURS)

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 Introduction to 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	CHEE2825 Chemical and Renewables Engineering Laboratory — CORE	CHEE2935 Resource and Energy Optimisation — CORE	ENGG2300 Engineering Fluid Mechanics — CORE	ENGG2500 Sustainable Engineering Practice — 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	CHEE3745 Process Modelling and Separation Processes — CORE	CHEE3825 Chemical Engineering Laboratory 2 — CORE	ELECTIVE PATHWAY	ELECTIVE PATHWAY
YEAR 4	SEMESTER 1	CHEE4475 Dynamic Process Simulations and Control — CORE	CHEE4945A Design Project A — CORE	CHEE4975A Chemical Engineering Research A — CORE	ELECTIVE PATHWAY
	SEMESTER 2	CHEE4945B Design Project B — CORE	CHEE4975B Chemical Engineering Research B — CORE	ENGG4500 Engineering Complexity — CORE	ELECTIVE PATHWAY

COMPULSORY PROFESSIONAL PRACTICE: INDUSTRIAL EXPERIENCE - 12 WEEKS

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To be eligible to graduate make sure you have completed 320 units (10 units = 1 course unless otherwise specified) which meet the following criteria:

- **Core courses** – 280 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 also note the following regarding the multi-term sequence courses research courses:
  - CHEE4945A Design Project A (10 units) and CHEE4945B Design Project B (10 units) must be completed in consecutive terms.
  - CHEE4975A Chemical Engineering Research A (10 units) and CHEE4975B Chemical Engineering Research B (10 units) must be completed in consecutive terms.

- **Elective Pathway** – 40 units, visit the **Program Handbook** for more information. Please be aware of the 120 unit maximum for 1000 level courses in your program when selecting your elective courses.

- It is also a compulsory program requirement that students complete a total of 12 weeks of **industrial experience**.

- The duration of this program is 4 years full-time (40 units per semester) or part-time equivalent.

- The maximum time to complete this program is 10 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**.