

PROGRAM PLAN

BACHELOR OF RENEWABLE ENERGY ENGINEERING (HONOURS)

PROGRAM OPTION:

Full time or Part time

START DATE:

Semester 2, 2019 or 2020

LOCATION:

Callaghan and Distance

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	SEMESTER	COURSE	DESCRIPTION	STATUS	NOTES
YEAR 1	SEMESTER 1				
	SEMESTER 2	CHEE1000	Process Engineering Principals CORE	CORE	# From 2021 CHEE1000 will count in place of ENGG1600
YEAR 2	SEMESTER 1	ELEC2320	Electrical and Electronic Circuits CORE	CORE	
	SEMESTER 2	ELEC2132	Electric Energy Systems CORE	CORE	
YEAR 3	SEMESTER 1	CHEE2325	Thermodynamics of Chemical Processes CORE	CORE	
	SEMESTER 2	CHEE2825	Chemical and Renewables Engineering Laboratory CORE	CORE	
YEAR 4	SEMESTER 1	RENE3000	Solar and Wind CORE	CORE	
	SEMESTER 2	CHEE4945B	Design Project B CORE	CORE	First offering in 2022
YEAR 5	SEMESTER 1	ENGG3500	Managing Engineering Projects CORE	CORE	
	SEMESTER 2	RENE4900B	Renewable Energy Engineering Project B CORE	CORE	First offering in 2022

COMPULSORY PROFESSIONAL PRACTICE: INDUSTRIAL EXPERIENCE – 12 WEEKS

*Prior to 2021 students were required to complete ENGG3860, ELEC3850, **PLUS** RENE4800A and RENE4800B (50 units total). From 2021, students are required to complete CHEE2825, RENE4800A, RENE4800B, CHEE4945A and CHEE4945B (50 units total).
If you who have already completed ENGG3860 it will still count towards your program and you will not be required to complete CHEE2825. Students will complete RENE4800A, RENE4800B, CHEE4945A and CHEE4945B. Students can (and are strongly encouraged to) take CHEE2825 as an Elective if they have an available 10-unit Elective.

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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** – 270 units

MATH courses

- **Prior to 2021**, students could choose to complete either MATH1110 and MATH1120, OR MATH1210 and MATH1220. Choice of maths courses is based on your assumed knowledge. To find out which MATH course you should enrol in please see the [Enrolling in Maths information](#). More information is in your [Program Handbook](#). Note that due to course offerings it is recommended midyear commencing students take MATH1110 and MATH1120, and that you also consider the University's [Summer School](#) offerings following your first semester.
- **After 2021**, the option to do MATH1210 and MATH1220 has been removed from the program. **From 2021 onwards:** 1) if you have not yet completed MATH1210 you must complete MATH1110; and 2) if you haven't completed MATH1220 then you must complete MATH1120. 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](#).

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.
- RENE4900A Renewable Energy Engineering Project A (10 units) and RENE4900B Renewable Energy Engineering Project A B (10 units) must be completed in consecutive terms.
- **Directed Course** – 10 units. From 2021, **ENGG3860** will replace the option of either CHEE2315 Fluid Mechanics for Chemical Engineers or MECH2710 Fluid Mechanics 1.
- **Elective Pathway** – 40 units, visit the [Program Handbook](#) for more information. Students who do not meet the enrolment requisite for MATH1110 and must take MATH1002 will count MATH1002 as one of their 10 unit elective courses. Contact Programadvice@newcastle.edu.au for further advice regarding your Program Plan if you need MATH1002.
- **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 4 year 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](#).