

Bachelor of Technology (Renewable Energy Systems) (pre-2021)

Program Code: 40006

CRICOS Code: 088615G

Teach-out Arrangements

Last Updated October 2020



The following description outlines the approved transition arrangements for students who commenced in the Bachelor of Technology (Renewable Energy Systems) program prior to 2021. If you need further advice then please contact your Academic Program Advisor on programadvice@newcastle.edu.au.

Course Code and Title

(Not yet completed)

New Course Code and Title

(Course to be completed from 2021 onwards as offered)

‘Completed’ means successfully passed a course or received approved credit for a course

CORE COURSES

MATH2310 Calculus of Science and Engineering	MATH2310 Calculus of Science and Engineering
ELEC3850 Electrical Engineering Design and Practice	ENGG3200 Project/Directed Reading
ENGG3860 Carbon Accounting and Energy Auditing	ENGG3500 Managing Engineering Projects

Electrical Major – Compulsory Courses

ENGG2440 Modelling and Control	ENGG2440 Modelling and Control
PHYS2170 Quantum Mechanics and Semiconductor	PHYS2211 Modern Physics 1
ELEC3130 Electric Machines and Power Systems	ELEC3130 Electric Machines and Power Systems
ELEC3160 Principles and Design of Off-Grid Power Systems	ELEC3160 Principles and Design of Off-Grid Power Systems
ELEC3251 Power Electronics and Renewable Energy Systems	ELEC3251 Power Electronics and Renewable Energy Systems

Mechanical Major – Compulsory Courses

ENGG2440 Modelling and Control	ENGG2440 Modelling and Control
MECH3400 Materials Science and Engineering 2	MECH3400 Materials Science and Engineering 2

MECH3760 Renewable Energy Conversion	RENE3000 Solar and Wind
MECH3110 Mechanical Engineering Design 2	Moved to Directed course list
Directed Courses Students must select 20 units from the following directed courses for the Mechanical Major.	
MECH2710 Fluid Mechanics 1	ENGG2300 Engineering Fluid Mechanics
MECH3720 Thermodynamics	MECH3720 Thermodynamics
	MECH3110 Mechanical Engineering Design 2