WHAT IS RENEWABLE ENERGY ENGINEERING?

Monash is committed to reducing the global reliance on fossil fuels.

A qualification in renewable energy from Monash University provides students who have a passion for the environment to enter the growing renewable and clean energy engineering market. Students who graduate from Monash’s renewable energy engineering degree will be equipped to develop and manage the most appropriate and environmentally sustainable energy solutions for businesses, projects or assets.

Renewable energy engineering is an emerging discipline. Monash renewable energy engineers will focus on identifying and developing sustainable systems for electricity generation. Monash renewable energy engineering degree will be equipped to develop and manage the most appropriate and environmentally sustainable energy solutions for businesses, projects or assets.

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Further information

eng.monash.edu/civil/resources-eng

1800 MONASH (1800 666 274)

The information in this brochure was correct at the time of publication (July 2016). Monash University reserves the right to alter the information should the need arise. You should always check with the relevant Faculty Office when considering a course.

Monash University

CRICOS Provider: Monash 00008C, Monash College 01857J.

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RENEWABLE ENERGY ENGINEERING AT MONASH

Monash renewable energy engineering graduates are uniquely placed in a rapidly expanding job market and have a unique applied engineering skill set. They are also unique in their understanding of existing energy solutions through the study of conventional and renewable energy development.

Renewable energy engineering is a specialisation within the Bachelor of Engineering (Honours). After completing the common first year, renewable energy engineering students enter a level two that offers a range of units common to all four resources specialisations – geological, mining, oil and gas, and renewable energy engineering. This structure provides students with the flexibility to easily transfer between each of the four resources specialisations up until the end of their second year. Units in third and fourth levels provide targeted study in renewable energy engineering.

LEVEL
1. The first level of the course has units common across engineering disciplines. At the end of the first year, you can apply to specialise in renewable energy engineering.
2. Increases the engineering content with a relation of core engineering units, mathematical and resources units to begin to integrate the content gained from other units.
3. You’ll be introduced to more focused renewable energy engineering units, such as Geothermal energy, Solar energy, Biomass energy, and Wind engineering.
4. You will continue your renewable energy engineering specialisation. Your level four study provides high level applications for earlier studies through design and research projects, complemented by advanced technical electives and interdisciplinary units.

RENEWABLE ENERGY ENGINEERS WILL BE EMPLOYED TO:
- ensure the development and implementation of clean energy policy
- design sustainable systems for power generation
- understand traditional hydropower and contribute to the renewable power sources and their generation, in order to assess renewable energy projects and understand the environment.

Provides recommendations and solutions regarding the interaction of traditional power sources and the environment.

SPECIALISED SUBJECTS STUDENTS COMPLETE
- Natural resource engineering
- Project, risk and facility management
- Fixed plant engineering
- The deep earth
- Geomechanics
- Energy and the environment
- Renewable geophysics
- Solar energy
- Rock mechanics
- Load-bearing
- Geothermal energy
- Power systems
- Biomass energy
- Wind engineering.

SCHOLARSHIPS
For more information visit monash.edu/study/scholarships.

INDUSTRY LINKS
Students benefit from strong industry links through placements, industry projects and summer work opportunities.

HOW TO APPLY

For more information visit monash.edu/study/international

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Find us at
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