MONASH University

MONASH ENGINEERING

STUDY RENEWABLE ENERGY ENGINEERING

Renewable energy engineering is a rapidly growing discipline. Renewable energy engineers implement clean and sustainable energy solutions.

They harness solar radiation, wind, geothermal, wave, hydro and bioenergy resources to generate electricity by designing, building and operating energy plants such as wind farms, solar farms and hydro power facilities to meet the energy needs for generations to come.

CAREERS IN RENEWABLE ENERGY ENGINEERING

Monash renewable energy engineers are uniquely placed in a rapidly expanding job market at the forefront of renewable energy implementation in Australia with the ability to transfer skills overseas. You will be equipped to develop and manage the most environmentally sustainable energy solutions for businesses' needs, projects or assets. Renewable energy engineers are employed to:

- assist with the development and implementation of clean energy policy
- identify sustainable systems for power generation
- understand traditional (hydrocarbon and coal) and alternate renewable power sources and their generation
- provide recommendations and solutions regarding the intersection of traditional power industries and conventional energy sources with renewable energy sources (infrastructure focus)
- manage the process of developing, maintaining and optimising alternative energy assets, and maximising energy usage efficiency.

"I chose Renewable Energy Engineering because I have always been passionate about sustainability and advocating for positive change. Renewable Energy Engineering is a mixture of most of the Engineering disciplines - which I love. We get to study the fundamentals of Civil, Mechanical, Environmental, Electrical and even Earth Sciences.

The highlight of my course so far has been learning about how we can effect positive change in our society."

– Shinian 'Shi Shi' Qian

RENEWABLE ENERGY ENGINEERING STUDENT AND SECRETARY OF THE RESOURCES ENGINEERING STUDENT SOCIETY

COURSE DETAILS

Renewable Energy Engineering is a stream of the Resources Engineering degree at Monash. The course focuses on practical solutions to industry problems to ensure our students are job ready. We work closely with our industry education partners to deliver current, practical knowledge and the latest technology in the sector.

All Bachelor of Engineering (Honours) students complete a common first year. In second year you select the Resources Engineering specialisation that offers a range of units common to the two resources streams - Renewable Energy and Mining Engineering.

Units in third and fourth years provide targeted study and in depth technical knowledge in your chosen stream of Renewable Energy Engineering.

See **monash.edu/study/courses/find-a-course/2019/engineering-e3001**

SCHOLARSHIPS

There are a range of scholarships available including several industry supported prizes based on academic merit for renewable energy engineering students. See **monash.edu/study/scholarships**

INDUSTRY LINKS

Students benefit from strong industry links through scholarships, seminars, industry projects and summer work opportunities. Monash Engineering is proud to work closely with our industry partners MMG, Newcrest, Orica, Woodside, Senvion Wind Energy Solutions, UPC Renewables Australia Transmission and the CSIRO to deliver the Bachelor of Resources Engineering (Honours).

"Through this course monash graduates will be at the forefront of clean energy implementation in Australia."

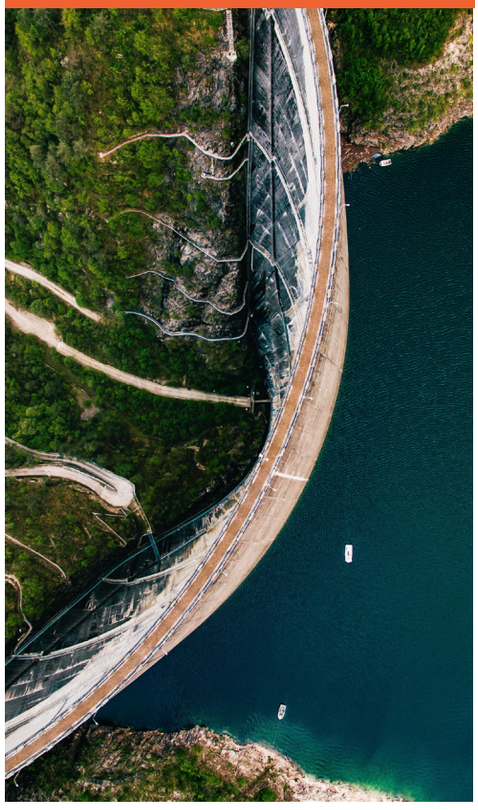
– Chris Judd

CEO, UPC RENEWABLES AUSTRALIA

Further information at **monash.edu/study**

FAST FACTS

Clayton	
4 years	
Specialist course	
February and July	
ATAR Score	91.80
IB Score	34



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