UNIVERSITY of TASMANIA

Renewable Energy Power Station at King Island, Tasmania

Engineering

Bachelor of Engineering (Specialisation) with Honours

> VIEW COURSE DETAILS

Duration
Location Launceston and Hobart

CRICOS: 89220G

*Subject to international student visa conditions if applicable.

Engineers are collaborators. Driven by discovery, they love to meet a challenge and create something new.

When you study Engineering with us, we'll make sure you get an education filled with hands-on technical experience, right from your first year. Our courses give you the skills to balance creative design, analysis and applied science. You'll design, build and manage structures, machines, manufacturing processes and infrastructure.

Working with our expert researchers, you can learn all about the optimisation of alternative energy systems, such as hydro and wind-power systems, and lifesaving biomedical implants.

WHY STUDY ENGINEERING WITH US?

Learn from engineers who are developing innovative and collaborative solutions to challenges facing the energy sector.

Get the chance to design, build and drive an electric race car as part of the UTAS Motorsport Team.

Our connections with major industry figures like GHD, Hydro, Entura, and INCAT provides excellent opportunities for work placement.

CAREER OUTLOOK

Engineers are well paid, and find interesting and engaging career opportunities across Government, private companies, industry and consulting firms. Employment outlook for engineers is growing with skilled engineers in demand across a vast array of industries.

Here are some of the top careers projected to grow in the next five years:

Architectural, Engineering and Technical Services 14.6% projected job growth.

Civil Engineering is one of the largest growing professions in the Australian Construction industry with 21.9% projected job growth.

Engineering students touring the Renewable Energy Power Station on King Island, Tasmania

WHAT CAN I STUDY?

Civil Engineering

Civil engineers focus on designing, planning and constructing the world we live in, both above and below the ground. Projects include dams, bridges, pipelines, gas and water supply schemes, sewerage systems, roads, airports, and structures across all scales, including residential buildings.

Electronics and Communications Engineering

Our world is more connected than ever, and electronics and communications engineers are designing, creating and maintaining the infrastructure that enables global connectivity. They design and maintain networks, control automatic and robotic autonomous vehicles and small devices. They also help improve quality of life around the world, creating bionic ears, pacemakers, life support systems and other biomedical devices.

Electrical and Electronics Engineering

Engineers who specialise in both electrical and electronic engineering are multi-skilled and often work across diverse engineering projects associated with electrical systems. Your studies in electrical engineering will cover large scale power systems. This is complemented by expertise in Electronic engineering where you'll develop the ability to design and create smaller electronic circuits.

Electrical Power Engineering

Electrical power engineers manage projects across the generation, transmission, distribution and utilisation of electrical energy. They are looking to reinvent the world's energy systems, working across continents, right down to the local community where delivering reliable, sustainable power can directly tackle poverty and save lives.

Mechanical Engineering

Mechanical engineers are involved in mechanical design, manufacture, assembly, commissioning, maintenance, and safety management of mechanical engineering systems. Mechanical Engineers also support the development of policies within vast global sectors including energy, transportation, manufacturing, and automation. The largest and most complicated machines on the planet, from ships and aircraft to highly technical mechatronics and automation, need the skills and knowledge of a mechanical engineer.

Learn more about Engineering here.

Race car project helps students drive straight into industry

The University of Tasmania Motorsport team is a student-driven Formula SAE team comprised of predominantly engineering students, as well as students from other disciplines such as business and media.

> WATCH

"Within the Formula SAE activity I gained so many practical experiences which will help me throughout my degree and with getting a job, and into my career in the future."

– CALEB COOPER, ENGINEERING

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