Engineering excellence

The Faculty of Engineering is dedicated to providing you with all the facilities, flexibility and support needed to develop your skills for the workforce. We encourage interdisciplinary projects, bringing together expertise from our five departments, other faculties, and industry partners and research organisations. Collaborative study is strongly encouraged – postgraduates in particular have the benefit of experiencing cohorts with diverse academic and industry backgrounds.

You will gain access to world-renowned experts who actively demonstrate the positive impacts research has on society. High-performance equipment and labs beyond industry standards are at your fingertips. Our facilities extend beyond study hours – we take pride in our involvement in student events and associations across the University, and are dedicated to providing you with academic, personal and career advice. We encourage you to take advantage of our resources, and use them to expand the possibilities of your research and career path.

Contacts

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THE UNIVERSITY OF AUCKLAND
Te Whare Wānanga o Tāmaki Makaurau
NEW ZEALAND

ENGINEERING

Master of ENERGY (MEnergy)

THE UNIVERSITY OF AUCKLAND
Te Whare Wānanga o Tāmaki Makaurau
NEW ZEALAND

ENGINEERING

Invest in your future

Renewable energy makes a sustainable difference to the world. As our energy sources diversify to include wind power, solar, and other renewable technologies, we see increasing demands for specialist skills and understanding.

The Master of Energy (MEnergy) degree is designed to meet the continuous need for experts across all areas of the energy sector – students with engineering, science, economics and business backgrounds who wish to attain a specialised qualification in this field are encouraged to pursue this versatile, multidisciplinary degree. You will be given a broad introduction to the industry while also exploring the ongoing developments in research and technology, eventually being prepared to embark on a career in a sector with a sustainable, satisfying, and global career path.

This interfaculty programme allows students to concentrate on a specific field of energy while pursuing electives from the University's Faculty of Engineering, Faculty of Science, and Business School. Graduates will be equipped with the technical prowess, regulatory and policy-related expertise, and business knowledge required for innovation in the energy industry as it continues to evolve to meet our everyday needs.

Programme structure

Taught or research (120 or 180 points)
Full-time or part-time

The MEnergy's flexible structure gives you the opportunity to consider your personal strengths, undergraduate qualifications, previous work experiences and learning objectives. This makes our programme an excellent choice for students who need to study part-time, or are currently working in industry. Options are available for either a taught or research-based programme – while the research masters is recommended only for those with considerable previous experience in energy, both include a compulsory research component, allowing you to experience working on an issue that is relevant to the energy industry.

Electives

Elective enrolments may depend on your prior study and professional experience, but ultimately, choosing the appropriate courses and topics can allow you to concentrate on and develop strengths in your energy field of choice.

Our broad list of electives include courses in:

Geothermal and petroleum engineering: Specialised information on geothermal energy resources, exploration and technologies.

Wind energy: In-depth knowledge of technical aspects relevant to this field – fluid dynamics, aerohydrodynamics and selections from Electrical Engineering.

Energy, sustainability and the environment: A range of courses from Environmental Engineering and the Faculty of Science's School of the Environment that cover local and international issues such as environmental assessment, policy and resource management.

Business, economics and management: Key factors that can influence decision-making and the financial side of the industry. These courses are taught by academics throughout the Faculty of Engineering and School of Business, so you'll gain relevant business skills, such as project management.