



UNIVERSITY OF
AUCKLAND
Waipapa Taumata Rau
NEW ZEALAND

ENGINEERING

Postgraduate Q & A

Professional Engineering

what

... IS MASTER OF PROFESSIONAL ENGINEERING?

The MProfEng is an engineering degree with a global reach.

It's a programme is designed to meet the requirements for professional registration against the Washington Accord, the global standard for accredited engineering degrees.

Professional registration under the Washington Accord provides graduates a pathway to practice as international Chartered Professional Engineers, which increases our graduates' domestic employment prospects and supports their global mobility as professional engineers.

... WILL I LEARN?

Studying the Master of Professional Engineering will provide you with a solid foundation in Engineering principles, hands-on experience, as well as the knowledge and skills necessary to pursue a successful career in all things Engineering.

This degree will cover topics ranging from construction planning and execution, management skills for project professionals, environmental decision making and sustainable engineering, natural disaster and climate proofing, structural design and development as well as mathematical modelling and transformational inter-disciplinary skills applicable for the ever-evolving tomorrow.

Throughout your studies, you will apply theoretical knowledge to real-world situations, you'll develop problem-solving, critical thinking, and team management skills that are highly valued in any engineering profession.

what

Program pathways:

- ***Master of Professional Engineering***

(MProfEng): 180 and 240, full-time and part-time

Full-time study will take 1.5-2 years, and part-time study length will vary. Students with three-year Bachelors degrees, like a three-year BE(Civil), will complete a 240-point MProfEng. Students who have already completed a four-year BE degree (which typically aren't Washington Accord accredited) will complete a 180-point MProfEng.

... ARE THE SPECIALISATIONS?

You can earn either an unendorsed degree, or an endorsed one in one of the following specialisations:

- Coastal Engineering
- Construction Engineering
- Environmental Engineering
- Geotechnical Engineering
- Structural Engineering
- Transportation Engineering
- Water Engineering

what

... ARE THE PREREQUISITES OR QUALIFICATIONS?

In order to be admitted to this degree, a student must have:

Completed a Bachelor of Engineering or Bachelor of Engineering degree with a GPA of 4.0 or higher or

Completed a Bachelor of Engineering or Bachelor of Engineering

degree with a GPA of less than 4.0, but have relevant work experience or course equivalents approved by the University Senate.

If you're interested in the programme but unsure whether you qualify, please contact us at foe-enquiries@auckland.ac.nz.

who

... SHOULD TAKE THE COURSE?

Anyone who wants an engineering degree with a global reach should take the MProfEng.

Professional registration under the Washington Accord makes it easier to practice as an internationally-recognised Chartered Professional Engineer.

This makes it easier to get engineering jobs in other countries, and lets New Zealanders skip certain retraining and examinations.

Engineering consultancies in Aotearoa New Zealand have also said they'll value Chartered Professional Engineering certifications, too.

... IS LEADING THE PROGRAMME?

Dr Arezoo Rahimi is a lecturer for Civil and Environmental Engineering at the University of Auckland. She obtained her MSc and PhD from Nanyang Technological University (NTU) of Singapore in 2009 and 2015 in geotechnical engineering. She also obtained her BSc in Civil Engineering from Isfahan University of Technology in 2006.

Dr Rahimi was an Assistant Professor at the University of Isfahan, School of Civil and Transportation Engineering before joining the University of Auckland. She was also an Adjunct Lecturer at Newcastle University in 2018. Her professional experience includes roles as a project officer, research associate, and research fellow at NTU.



how

... WILL I BENEFIT FROM TAKING THIS COURSE?

New Zealand's demand for engineering professionals continues to grow with the industry's needs rising each year, with such a qualification as this, your knowledge and hands-on experience will be actively identifying and problem solving the countries demands within moments, delivering value immediately upon graduation. You will be designing and creating solutions for complex Engineering issues whether it's throughout the public health sector, transportation, environmental, geotechnical, hydroelectrical, the benefits of this degree are endless.



why

Reskilling needs



A 2021 report by the World Economic Forum shows the rise of automation and digitisation has transformed the world of work – increasing productivity but also creating a major societal problem: the stark mismatch of people with the right skills for available jobs. The COVID-19 pandemic has accelerated and exacerbated these trends. As a result, the need to upskill and reskill people so they can participate in the economy is more critical than ever before.*

... STUDY AT THE UNIVERSITY OF AUCKLAND?

You can count on our reputation as New Zealand's top university and engineering faculty, as well as our track record in the field of civil engineering.

Our staff is dedicated to supporting the sector by moulding employable candidates who can improve and become leaders in the field of Civil Engineering.

Not only will you work with some of the industry's finest academics, but you will have the option to work in industry on applied and fundamental research to further your understanding.



MProfEng



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