Postgraduate Q & A
Infrastructure Asset Management
... IS INFRASTRUCTURE ASSET MANAGEMENT?

From roads and telecommunications to water supply and parks, infrastructure is essential to our everyday existence. Professionals in infrastructure asset management oversee these interconnected facilities, for instance, collecting data and projecting the needs of the community they serve. The work is diverse with career opportunities in land and water assets, climate adaptation planning, transportation and energy systems, waste utilities, health assets and recreational facilities such as parks and libraries, to name a few. The upkeep of these resources is a major investment, and the industry needs fresh minds to oversee its systems and nurture the assets that make modern life possible.

... ARE THE POTENTIAL CAREER PATHS?

Formal qualifications in asset infrastructure management will put you in a prime position to go directly to an employment market where your skills are in demand. Potential career paths include data management and analytics, senior roles in investment planning applications, linear infrastructure network management, consulting and construction.

Employers in network management, maintenance and renewal planning, councils, government-owned assets and other utilities are leading the search for professionals in the field. This growing demand aligns with increasing expenditure in infrastructure both in New Zealand and globally for the next 20 years.
Master candidates can choose between three pathways: Network managements and systems, an analysis focused degree, or Strategic asset management, which looks at the social applications and user-facing implications of assets, or a general pathway that has a blend of the endorsements. All three programmes have core requirements in general infrastructure management and climate adaptation. Graduates of the programme will gain an in-depth understanding of *ritenga* (customary practice) through courses that deal with regulations, practical rules to sustain the well-being of people, communities and natural resources.
Enrolment for a Master of Infrastructure Asset Management requires a bachelors degree from a university or equivalent qualification from technical university.
The infrastructure industry needs fresh ideas to manage its assets into a more sustainable future. We need to re-evaluate cost improvements, reliability and maintenance of assets. We need to innovate competitive design strategies and review the lifetime value of current infrastructure. The University of Auckland is looking for your unique background in accounting, business, social sciences and engineering to make our infrastructure more sustainable. New Zealand needs your talent to interpret big data in real time, and your unique understanding of iwi land and water use.
Who is leading the programme?

Dr Theuns Henning is a specialist in Infrastructure Asset Management. He is a founding member of the Climate Adaptation Platform, specialising in Asset Management, Performance Monitoring, Climate Adaptation, Performance-Based Contracts and Benchmarking. His research includes condition deterioration modelling, asset management systems and optimisation of infrastructure renewal and replacement programs including road pavements, unsealed roads, water pipes and bridges.
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 infrastructure management. Our staff is dedicated to supporting the sector by moulding employable candidates who can improve the management, deployment, service delivery and long-term management of infrastructure.

This is the only place you’ll get the in-depth technical training alongside the social and traditional understanding of land use.

*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.*

*source:https://www.weforum.org/reports/the-future-of-jobs-report-2020

... STUDY AT THE UNIVERSITY OF AUCKLAND?