

Masters degrees in Transportation Engineering

A postgraduate qualification in Transportation Engineering will allow you to reach a higher level in your career.

You'll be prepared to take on more responsibility and make advanced contributions to your field.

The University of Auckland's Faculty of Engineering offers specialised programmes in Transportation Engineering in conjunction with land transport industry professionals.

Industry leaders directly contribute to our courses through lectures, assignments, and research projects, giving you valuable insight into real-world applications.



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

ENGINEERING

We offer two masters degrees specialising in Transportation Engineering:

Master of Engineering (ME) in Civil Engineering (120 points)

This is research-focused and requires you to complete 120 points as a research thesis.

Master of Engineering Studies (MEngSt) in Transportation Engineering (120 or 180 points)

These are specialised programmes that are largely taught. They consist of 15 point courses and ideally a research project (30 or 45 points).

You can do either degree on a full-time or part-time basis. Most students are part-time and working in industry. All MEngSt courses are taught in two or three blocks, totalling up to six days per semester.



Entry requirements

The typical minimum entry level required for the 120-point masters degrees is a four year BE(Hons) degree. The typical minimum entry level required for the 180-point masters degree is any appropriate three year degree, such as the BEngTech or BSc.



Planning a public transport system is not just about the system; it's about how people think.

"Doing research helped me to realise what I truly enjoyed about engineering: answering the why. And it opened up new opportunities, including an academic life."

Subeh Chowdhury
BE(Hons) – Civil and Environmental Engineering
PhD – Civil and Environmental Engineering
Lecturer, The University of Auckland



Courses in transportation at the University of Auckland

Courses offered*

CIVIL 761: Planning and Design of Transport Facilities
CIVIL 762: Transportation Planning
CIVIL 763: Transportation and Networks analysis
CIVIL 764: Highway Safety and Operations
CIVIL 765: Infrastructure Asset Management
CIVIL 766: Road Asset Management
CIVIL 767: Pavement and Analysis Design
CIVIL 769: Highway Geometric Design
CIVIL 770: Transport Systems Economics
CIVIL 771: Planning and Managing Transport
CIVIL 772: Public Transport: Planning and Operation
CIVIL 773: Sustainable Transport: Planning and Design

Research projects

CIVIL 779: Project in Transportation
CIVIL 787: Project X
CIVIL 788: Project Y

*Not all courses are offered each year. Check current courses being offered on our website.

You can also choose up to **three** courses within Civil & Environmental Engineering (prior approval is required): popular courses include CIVIL 703 (Project Management), CIVIL 704 (Advanced Topics in Project Management).

Collaboration with the University of Canterbury

You can take up to **three** Transportation Engineering courses in your University of Auckland degree at the University of Canterbury. This allows you to choose from a wider range of courses.

Contacts

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Leading research facilities

The Transportation Research Centre (TRC) is a hub for linking students and researchers to public and private sector organisations in complementary disciplines. First-class facilities help researchers develop practical solutions to transportation needs. Based at the campus in Newmarket, the TRC offers specialised equipment and software.

See www.trc.net.nz for more information.

For more information on our courses:

www.engineering.auckland.ac.nz/transportation