



Graduate Diploma in Engineering (Highways) (Level 7)



Domestic Fees

\$8,850.00



International Fees

\$28,250.00*



Intakes

15/02/2027

19/07/2027



Campus

New Plymouth
New Plymouth



Duration

1 year full-time



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WITT

This programme equips graduates with advanced technical knowledge in highway design and construction, enabling them to innovatively plan, design, manage, and evaluate highway engineering projects while applying industry standards and best practices.

Graduates will be able to:

- apply advanced technical knowledge in a highway design or construction environment.
- innovatively apply and modify practices in the field of highway engineering.
- creatively plan, design, control, budget and prioritise highway construction and maintenance programmes to standards required by the engineering profession.
- provide managerial input into highway engineering projects and activities.
- implement and complete projects without direct supervision.
- undertake a wide range of support activities, including organisation, management, liaison and public relations.
- analyse and evaluate technical and economic options.
- display substantial personal and professional communication skills, both verbal and written.
- exercise responsibility for the work of others, including cost effective allocation of resources.
- maintain individual quality standards.
- continue studies towards higher professional or managerial qualifications.

Courses

GEH7.301

Wearing Surface Technology

Study road wearing surface technology including material requirements, construction technology and the design of sprayed seals and asphaltic concrete mixes.

GEH7.312

Highway Engineering Fundamentals

Introduce the fundamentals of road materials, road construction practices and road maintenance techniques, as well as the principles and techniques related to road asset management and road maintenance management.

GEH6.203

Traffic Engineering

Learn traffic engineering concepts and fundamentals.

GEH6.208

Land Surveying for Engineers

Outline theoretical knowledge and concepts of Land Surveying within an engineering context, and develop practical surveying skills.

GEH6.309

Contract Management

Develop the knowledge and skills required to administer and manage contracts and projects effectively in a specific discipline of engineering.

GEH7.341

Geometric Design

Demonstrate knowledge and understanding of road geometrics and apply these to the safe, functional and aesthetic design of road alignments in accordance with the requirements of current Code of Practice.

GEH7.351

Drainage Design

Learn to evaluate the components of highway drainage systems, and design surface and sub-soil drainage

systems for urban and rural roads.

GEH7.361

Pavement Design

Present an in depth treatment of pavement design and pavement rehabilitation design fundamentals and produce designs for new pavements and rehabilitation projects, obeying current Codes of Conduct.

Admission Requirements

The applicant must:

- have an appropriate (e.g. engineering, science, geology, or similar) degree or higher tertiary qualification, and;
- satisfy the Programme Manager, with advice from academic staff, that they have sufficient knowledge of mathematics to ensure successful completion of the programme.

English Language

International applicants are required to have an academic International English Language Test System (IELTS) score of 6.0 (general or academic) with no individual band score lower than 5.5, or Pearson Test of English (PTE) score of 50 with no individual band score lower than 42.

International Scholarships

Please see [here](#) for information regarding international scholarships.

International Specific Information

INTAKE 15/02/2027

Students must attend compulsory Induction week from 9th February 2027.

INTAKE 19/07/2027

Students must attend compulsory Induction week from 12th July 2027.

Additional Expenses

Students are required to provide their own laptops.

*International Fee Exclusions

International fees displayed are for 1 year of study (equivalent to 120 credits); OR as specified for the duration of the programme of study, and do not include the below;

- Travel and Medical Insurance – NZ \$800 per year (provided by UniCare NZ)
- Compulsory Student Services Fee (CSSF) – NZ \$320 per 120 credits

International fees may increase in each new academic year. Any increase in the fees is required to be paid in full before a student is enrolled and allowed to attend class.



Post Study Work Visa Eligibility

International graduates may be eligible for an open Post Study Work Visa.

<https://www.witt.ac.nz/international-students/post-study-work-visa-eligibility>