New Zealand Diploma in Engineering (Level 6) (Civil Engineering)

If you are interested in the planning, design and construction of all forms of infrastructure and have a passion for building strong relationships with clients and contractors then Civil Engineering is for you.

New Zealand (Domestic)

<table>
<thead>
<tr>
<th>Length</th>
<th>Study options</th>
<th>Fees</th>
<th>Location and dates</th>
</tr>
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<tbody>
<tr>
<td>Two years full time or four years part time</td>
<td>Full time or part time</td>
<td>$6,600 A Compulsory Student Services Fee also applies ($240 for fulltime students). Fees listed are for each year of the programme, indicative only and may vary with course selection. View course details for individual fees.</td>
<td>Nelson: 22 February 2021 Year 1 22 February 2021 Year 2</td>
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</tbody>
</table>

This programme is eligible for fees-free under the Targeted Training and Apprenticeships Fund (TTAF). Find full details about the fund here.

Civil Engineering plays a key part in the creation and protection of our structural environment.

NMIT's class sizes means you can easily talk with tutors and the programme is hands on.

Tutors also work with local industry to provide real world experiences as part of the programme.

You will qualify as an engineering technician. The industry demand for graduates from this programme is high.

A Civil Engineering qualification will provide the knowledge and skills necessary to plan, design and manage the construction of various infrastructure including residential, commercial and industrial buildings; roads, rail, dams and bridges. You will also acquire the technical knowledge and skills to draft plans, survey sites and compile engineering reports.
In the near future NMIT is looking to offer a degree in Engineering Technology in Civil Engineering. Keep up to date by signing up to our email updates on this development.

Entry requirements

Academic Requirements

NCEA Level 2 and

A minimum total of 48 credits at level 2 in four subjects including at least 12 credits in mathematics (preferably achievement standards in algebra, calculus or trigonometry), or
equivalent qualifications (e.g. International Baccalaureate or Cambridge), or
equivalent credits from appropriate trades training and/or demonstrated skills and experience
* including a minimum of 10 literacy credits at level 1 or higher (for those who achieved NCEA Level 2 before 2013).

English Language Requirements

In addition to meeting the minimum entry criteria, those applicants for whom English is a second language (including International students) must meet the language requirement:
Overall Band Score (Academic) of 6.0 IELTS, with no individual score less than 5.5, or equivalent.

Additional course costs

Your main need will be a good calculator. You may also be required to purchase a number of text books – so be prepared and budget accordingly.

What will I learn?

On this programme you will learn how to:
  - Competently perform technical operations to the standards, ethical and professional responsibilities required by the engineering profession
  - Work collaboratively within team environments to provide a comprehensive engineering service in the relevant specialist area
  - Apply the principles of the Treaty of Waitangi, the Resource Management Act and Health & Safety in Employment Act while carrying out engineering activities
  - Apply engineering theory to practice working within well-defined* engineering problems relevant to your specialist field of civil engineering
  - Use your engineering knowledge to make informed problem solving decisions in civil engineering and to implement these decisions
  - Identify, evaluate and manage risks within well-defined* engineering problems relevant to the field of civil engineering.

*Well-defined engineering problems can be solved in standardised ways, are frequently encountered and hence familiar to most practitioners in the specialist area, have consequences that are locally important but not far-reaching and can be resolved using limited theoretical knowledge but normally require extensive practical knowledge.

Career opportunities and pathways

Graduates from NMIT’s programme have a very high employment rate in the industry.

You can gain employment as an engineering technician including roles working on roads, buildings and utilities.
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<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Location</th>
<th>Type</th>
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<tbody>
<tr>
<td>DEC421A</td>
<td>Materials (Civil)</td>
<td>Nelson</td>
<td>Compulsory</td>
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<tr>
<td>DEC422A</td>
<td>Land Surveying 1</td>
<td>Nelson</td>
<td>Compulsory</td>
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<tr>
<td>DEN411A</td>
<td>Engineering Fundamentals</td>
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<tr>
<td>DEN412A</td>
<td>Engineering Mathematics 1</td>
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<tr>
<td>DEN413A</td>
<td>Technical Literacy</td>
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<tr>
<td>DEC521A</td>
<td>Structures 1</td>
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<td>Compulsory</td>
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<tr>
<td>DEC522A</td>
<td>Civil and Structural Drawing</td>
<td>Nelson</td>
<td>Compulsory</td>
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<tr>
<td>DEC523A</td>
<td>Hydraulics (Civil)</td>
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<td>DEC524A</td>
<td>Highway Engineering 1</td>
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<tr>
<td>DEC527A</td>
<td>Geotechnical Engineering 1</td>
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<td>DEC525A</td>
<td>Engineering Surveying</td>
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<tr>
<td>DEC526A</td>
<td>Structures 2</td>
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<td>Engineering Project</td>
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<tr>
<td>DEN611A</td>
<td>Engineering Management 1</td>
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<tr>
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<td>Engineering Project</td>
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<td>DEC621A</td>
<td>Geotechnical Engineering 2</td>
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<td>Highway Engineering 2</td>
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<td>DEC623A</td>
<td>Traffic Engineering</td>
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<td>DEC624A</td>
<td>Structures 3</td>
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<td>Elective</td>
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<tr>
<td>DEC625A</td>
<td>Water and Waste Water Systems</td>
<td>Nelson</td>
<td>Elective</td>
</tr>
<tr>
<td>DEC626A</td>
<td>Water and Waste Management</td>
<td>Nelson</td>
<td>Elective</td>
</tr>
<tr>
<td>DEC627A</td>
<td>Land Surveying 2</td>
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