



LEVEL

6

252 CREDITS

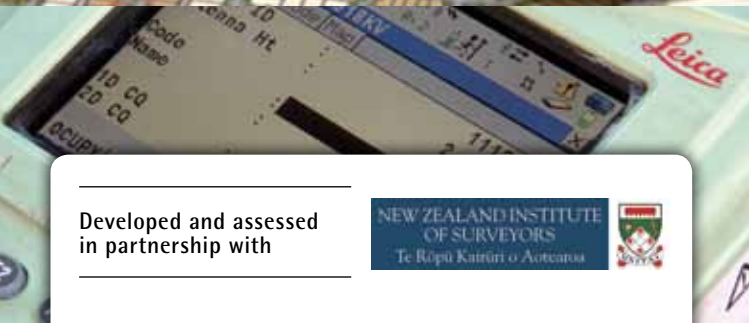
NATIONAL DIPLOMA IN

# Surveying

with an optional strand in Mine Surveying



**InfraTrain**  
New Zealand



Developed and assessed  
in partnership with

NEW ZEALAND INSTITUTE  
OF SURVEYORS  
Te Rōpū Kaitiaki o Aotearoa





## QUALIFICATIONS FOR SURVEYING

---

InfraTrain's surveying qualifications provide the opportunity to gain practical skills and knowledge on the job, from people with experience in the industry. Our qualifications have been developed in partnership with the New Zealand surveying industry and are relevant to New Zealand civil construction and land development work.

Surveyors have played an essential role in this infrastructure work since New Zealand was first settled. Today, surveyors are involved in a diverse range of work, from cadastral surveys, mapping, site investigation and civil construction projects, to resource management and geographic information systems.

InfraTrain provides a pathway to these opportunities with national qualifications that meet the needs of surveying assistants through to survey technicians.

Qualifications are subsidised and there is no need for a student loan because learning is done on the job. There is the added advantage that qualifications can be gained anywhere in the country and can be started at any time during the year.



## NATIONAL DIPLOMA IN SURVEYING

---

The *National Diploma in Surveying* provides the skills and knowledge required by the New Zealand Institute of Surveyors for survey technicians to carry out field and office work in civil construction and land development.

The *National Diploma in Surveying* comprises compulsory unit standards and an elective section.

The compulsory section covers:

- Safe working in a surveying workplace
- Generic skills in communications
- Computing
- Trigonometry
- Knowledge of land administration

Core technical skills in:

- Geodetic surveying
- Land administration
- Subdivision design
- Survey practice

The elective section provides a choice from a range of surveying and related skills appropriate to the workplace or specialty area.

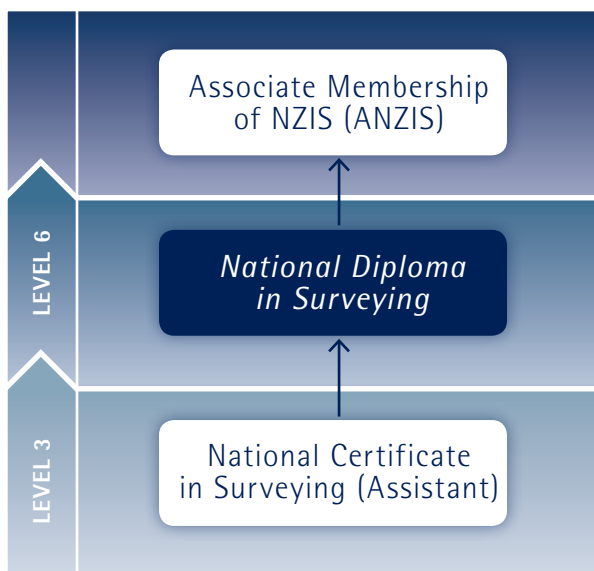
### **MINE SURVEYING OPTIONAL STRAND**

An optional mining strand which recognises competence in underground surveying work is available through the Extractive Industries Training Organisation ([www.exito.org.nz](http://www.exito.org.nz)). The strand is an additional 70-85 credits.



## QUALIFICATION PATHWAY

This diploma builds on the *National Certificate in Surveying (Assistant)* (Level 3), although this is not a prerequisite. It can also lead to the Bachelor of Surveying available at the University of Otago.



### REGISTRATION

Graduates of the diploma, who have met the practical experience criteria, will be eligible for Associate Membership of the New Zealand Institute of Surveyors ([www.surveyors.org.nz](http://www.surveyors.org.nz)). Student membership is also available. Other categories of NZIS membership may be available to holders of this qualification subject to compliance with NZIS Rules.



## INDUSTRY RECOGNISED QUALIFICATION

---



The New Zealand Institute of Surveyors (NZIS) is the premier professional body that represents more than 1,400 surveyors from all disciplines in New Zealand.

NZIS has worked closely with InfraTrain New Zealand to ensure that the *National Diploma in Surveying* is closely aligned to the requirements of the profession.

*"NZIS is pleased to support the National Diploma in Surveying and recognises it as a significant step forward in how we recruit and train surveyors. Surveying is a technology-intensive profession and a range of skills are required by technician surveyors."*

*The National Diploma in Surveying targets the development of practical surveying skills. These are acquired through a combination of study, on-job training and work experience. Graduates of the diploma can expect to be in demand in the surveying profession."*

**Barry Davidson, NATIONAL MANAGER NZIS**

*"Consulting Surveyors of New Zealand (CSNZ) represents surveying business owners. Our members actively support the National Diploma in Surveying. Technician surveyors are a key component of the workforce in our businesses. This qualification provides the practical surveying skills that our employees will require on infrastructure and land development projects."*

**Mark Roberts, SPOKESPERSON, CONSULTING SURVEYORS OF NEW ZEALAND**



## ENROLMENT INFORMATION

---

### ENTRY REQUIREMENTS

A minimum of 48 NCEA Level 2 credits in four subjects including 20 credits in trigonometry, geometry, and algebra, and credits in English, graphics and/or design, computing, and/or physics; or demonstrate equivalent knowledge and skills.

Candidates for this qualification, who intend to enrol for the Bachelor of Surveying degree at Otago University, should contact the School of Surveying at the university regarding credit exemptions for the degree before selecting elective standards for this qualification.

### HOW IS THE QUALIFICATION COMPLETED?

The *National Diploma in Surveying* is completed through the recognition of relevant work skills and knowledge as they are gained on the job.

The candidate collects evidence of these skills and knowledge in a workbook for verification and assessment against the unit standards by an approved assessor.

The workbooks are provided by InfraTrain and explain what needs to be achieved to complete the qualification.

The qualification may also be completed through full-time or part-time study at an accredited provider.

### LEARNING RESOURCE

*Mathematics for Surveyors* which can be purchased from InfraTrain covers key mathematical concepts that are useful for surveying.

**The following people play a key role in achieving a qualification on the job:**

### EMPLOYER

As these qualifications are achieved on-job, the employer has a responsibility to provide the time, training and support to enable the candidate to complete the qualification within the agreed duration.



## MENTOR

It is recommended that a mentor is assigned to the candidate. The mentor's role is to provide support and guidance. They may be a colleague, advisor or manager.

## VERIFIER

The verifier's role is to observe and confirm workbook tasks have been completed in line with industry best practice, and that questions have been answered.

## ASSESSOR

The assessor is approved by the New Zealand Institute of Surveyors and registered as an InfraTrain assessor. The assessor's role is to evaluate the evidence against the unit standards and determine if the candidate is competent.

## HOW LONG WILL IT TAKE?

The *National Diploma in Surveying* is a Level 6 qualification, comprising 252 credits. It is expected that the qualification will take 33 – 44 months to complete.

## COST

Two payment options are available:

- One-off Qualification Fee – \$2,045 plus GST, or
- A monthly fee of \$85 plus GST payable for a period of 24 months

This fee does not include the cost of assessment for the National Diploma. The cost of assessment is determined between the employer and the assessor.

## HOW TO ENROL

To enrol in this qualification, call 0800 486 626 to arrange for an InfraTrain regional advisor to complete a Training Plan and Training Agreement.

The Training Plan can be viewed on [www.infratraining.co.nz](http://www.infratraining.co.nz), under the Qualifications section.



## TALK TO US

---

If you would like more information please contact us.

**0800 486 626**

or email [askus@infratrains.co.nz](mailto:askus@infratrains.co.nz)

InfraTrain New Zealand

Level 12, 40 Mercer Street, PO Box 2759, Wellington 6140

**[www.infratrains.co.nz](http://www.infratrains.co.nz)**