



Trainee Enrolment Pack

**National Certificate in
Design**

Level 3

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Introduction

This qualification can only be gained through assessment of your prior learning. InfraTrain contracts The Open Polytechnic of New Zealand to facilitate this assessment of prior learning process for this qualification.

What is InfraTrain?

InfraTrain is responsible for setting national unit standards and qualifications, providing information and advice to employers and trainees and assisting with arranging on/off job training and assessment. Monitoring the quality of training and assessment is another essential task undertaken by InfraTrain.

All InfraTrain qualifications are recognised by NZQA and have been designed by people in your industry, for your industry. We are constantly looking at ways to keep our qualifications relevant and up to date, because investing in your industry through training will help keep it alive.

What is The Open Polytechnic of New Zealand

The Open Polytechnic of New Zealand is a nationwide distance tertiary education provider, specialising in open, blended, flexible delivery.

One of its dedicated arms is the Centre for Assessment Services (CAS). The prime function of this centre is that of assessing prior learning and current competency, giving credit for the skills, knowledge and understanding that a candidate currently possesses. The Centre measures this learning against the stated learning outcomes of a recognised qualification.

The Centre provides the expertise to guide candidates through the stages leading to assessment. This includes mentoring by subject specialists, who advise on gathering and collation of relevant valid workplace documentation, into a portfolio of evidence.

What is assessment of prior learning?

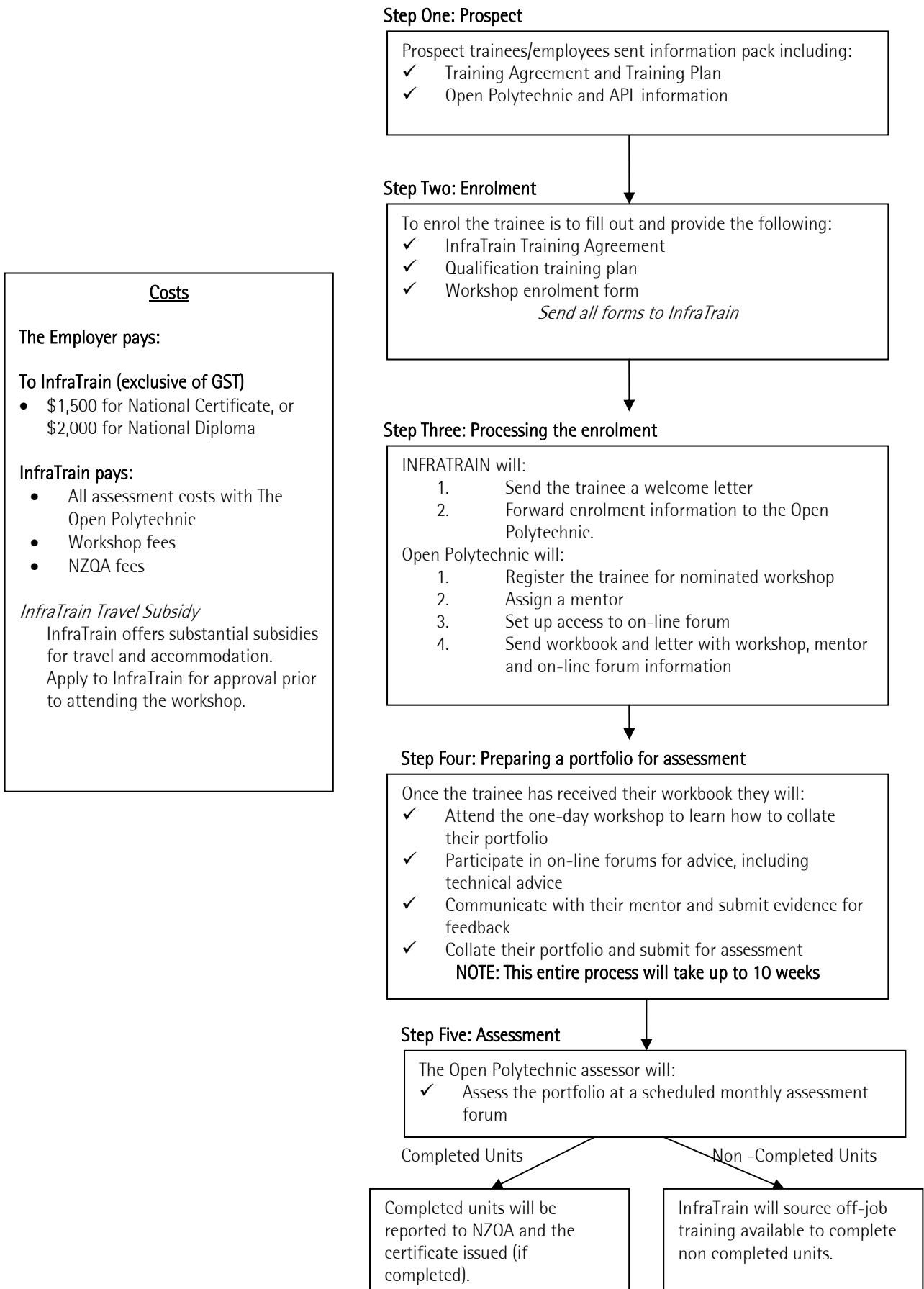
It is a process that recognises and assesses learning and gives credit for life experience, employment or courses that you have gained to date. The idea is to give you credit for what you have already learned and achieved.

How does the assessment work?

In order to assess any prior learning experience or skills you have acquired, the Open Polytechnic will work with you to:

- Review the experience and learning that you have achieved to date
- Identify the skills you have acquired
- Help you to build a portfolio of your achievements
- Provide the guidance and support you need in pursuing your career and/or personal goals
- Establish how and what you need to do in order to be awarded this qualification

This flowchart outlines the process for starting and completing your qualification.



National Certificate in Design (Level 3) Training Plan

Qualification Requirements

This qualification will be awarded to people credited with all of the compulsory unit standards, and who meet the requirements of the elective sections.

Instructions

Please tick the elective units that you wish to complete.

Core Compulsory Units				
All the unit standards listed below are required.				
Unit No.	Unit Standard Title	Level	Credit	
Design - graphic communication				
7521	Produce 2D or 3D models for design and presentation	3	4	
Design - generic design				
7493	Develop a design specification, and produce and implement an investigation plan	3	4	
7494	Investigate and apply design principles and elements	3	4	
7495	Apply design development and evaluation techniques	3	4	
7496	Prepare, plan, and present design project work	3	4	
7497	Write a design brief and specifications	4	4	
Elective A				
<i>A minimum of 10 credits is required from either List A (Graphics), or List B (Products).</i>				
List A (Graphics)				
Unit No.	Unit Standard Title	Level	Credit	Select ✓
Design - computer graphics				
7483	Produce scale production drawings using computer aided draughting (CAD) programs	3	5	
Design - graphic communication				
7484	Produce and deliver a multi-media presentation	4	5	
7513	Produce architectural and environmental drawings for presentation	3	5	
7514	Produce package design and promotional graphics	3	5	
7515	Produce engineering and product design drawings	3	5	
7516	Produce rendered design graphics for presentation	3	5	
7517	Produce architectural, structural and interior design drawings	4	6	
7518	Produce promotional and marketing graphics	4	6	
7519	Produce engineering, technological, and systems drawings for graphic communication	4	6	
7520	Develop a graphic image to produce a product or service	4	5	
List B (Products)				
Unit No.	Unit Standard Title	Level	Credit	Select ✓
Technology - materials technology				
7529	Test and select materials for a design task	3	5	
7530	Use, and care for, fixed machine tools in material technology	3	5	

7531	Select, apply, and test joining processes for materials technology	3	5	
7533	Process materials for alternative or new uses	4	6	
7534	Produce product components using computer-aided machining (CAM) in materials technology	3	6	
Technology - process technology				
7532	Design, set up, and complete a short run production project in process technology	3	5	
7541	Research design problems and present conclusions in process technology	3	4	
7542	Create a manufacturing system for short run production in process technology	3	4	
7544	Apply project management planning practices in process technology	4	5	
Technology - systems technology				
7549	Use rotary, reciprocating, and oscillating motion to solve mechanical problems in systems technology	3	5	
7551	Modify an existing system of control and investigate its market potential for systems technology	4	6	
7552	Create and evaluate market potential of, an electronic product for systems technology	4	6	

Elective B

A minimum of 16 credits from the following Engineering and Technology Field:

Subfield: Design	Subfield: Technology
design – computer graphics design – graphics communication generic design graphic design product design professional practice in design and construction consultancy spatial design	materials technology process technology systems technology technology – general education

Please list your choices below:

Unit No.	Unit Standard Title	Level	Credit

Elective C

A minimum of 6 credits, all of which must be at level 3 or above from anywhere on the National Qualifications Framework.
Please list your choices below:

Unit No.	Unit Standard Title	Level	Credit