

## **NZ Diploma in Engineering Practice with strands in Civil Engineering, Electrical Engineering, and Mechanical Engineering (Level 6)**

The table below outlines the current Connexis programme for **New Zealand Diploma in Civil Engineering Practice**. We are seeking input from industry members to ensure this programme is fit for purpose for learners.

The reference 'GPO' in the table stands for Graduate Profile Outcome.

Version 2 of the qualification is expiring; with a last date of assessment 31<sup>st</sup> December 2026. The new qualification, version 3, was published in February 2025, following an early review by Vocational Engineering Education New Zealand, who are the developers of this qualification.

- Minor changes were made to the qualification, to reflect current practice, a new review date and transition information were included.
- There are no material changes to the qualification details.

There were no changes were made to the prescribed Mandatory Unit Standards in the qualification, nor to the qualification's Purpose, Level and Credit requirements.

GPO # and Value	Unit Standards	Credits
<p>GPO 1: 20 credits</p> <p>Apply detailed engineering knowledge underpinning good practice as an engineering technician relevant to their specialist field of engineering practice</p>	<p>27476 Demonstrate and apply competence as an engineering technician (Level 6)</p>	
<p>GPO 2: 10 credits</p> <p>Be responsible for making decisions on part or all of one or more or more well-defined engineering activities</p>		
<p>GPO 3: 10 credits</p> <p>Manage part or all of one or more well-defined engineering activities in accordance with good engineering management practice.</p>		
<p>GPO 4: 10 credits</p> <p>Communicate professionally, collaboratively and clearly in the course of well-defined engineering activities</p>		
<p>GPO 5: 5 credits</p> <p>Maintain the currency of engineering knowledge and skills</p>		
<p>GPO 6: 5 credits</p> <p>Exercise sound judgement while carrying out engineering activities</p>		
	<b>Total:</b>	<b>60</b>

GPO 7: 5 credits Conduct engineering activities to a professional and ethical standard at least equivalent to the relevant code of professional engineering body's rules and code of ethical conduct	27472 Demonstrate professional and ethical behaviour as an engineering technician (Level 6)	
GPO 8: 10 credits Recognise the reasonably foreseeable social, cultural and environmental effects of well-defined engineering activities		<b>Total:</b> 15
GPO 9: 15 credits Define, investigate and analyse well-defined engineering problems in accordance with good practice for civil engineering	27473 Identify and analyse well-defined civil engineering problems (Level 6)	
		<b>Total:</b> 15
GPO 10: 15 credits Design or develop solutions to well-defined civil engineering problems by applying accepted procedures and methodologies	27474 Develop, implement, and evaluate solutions for well-defined civil engineering problems (Level 6)	
		<b>Total:</b> 15
GPO 11: 15 credits Identify risk and apply risk management techniques to well-defined civil engineering problems	27475 Apply risk management to well-defined civil engineering problems (Level 6)	
		<b>Total:</b> 15
Total credits for all GPOs = 120 credits, every learner will complete all these units.		

