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 Electrical 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 31st 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.

As 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, Connexis is recommending that no change are made to the Connexis Programmes leading to the Electrical Engineering Practice and Civil Engineering Practice strands of the New Zealand Diploma in Engineering Practice.

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

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		
	Total:	**15**
GPO 12: 15 credits Define, investigate and analyse well-defined engineering problems in accordance with good practice for engineering	27482 Identify and analyse well-defined electrical engineering problems (Level 6)	
	Total:	**15**
GPO 13: 15 credits Design or develop solutions to well-defined electrical engineering problems by applying accepted procedures and methodologies	27480 Develop, implement, and evaluate solutions for well-defined electrical engineering problems (Level 6)	
	Total:	**15**
GPO 14: 15 credits Identify risk and apply risk management techniques to well-defined electrical engineering problems	27481 Apply risk management to well-defined electrical engineering problems (Level 6)	
	Total:	**15**
Total credits for all GPOs = 120 credits, every learner will complete all these units.		