National Certificate in Surveying (Assistant) Level Three – 83 Credits

Training Plan _____

(Full name)

The National Certificate in Surveying (Assistant) is a Level 3 qualification, comprising 83 credits. It is expected that the qualification will take 12 to 18 months to complete.

To be awarded the qualification trainees must complete:

- Core Compulsory Units
- Core Elective Units

Please note: The ticked units can only be achieved by attending an off-job course.

Core Compulsory Units – All the units listed below are required.

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments
2791	Integrate spreadsheet and database data into a word processed document to solve a problem	2	3			
19355	Produce scale production drawings using computer aided draughting (CAD) programs	3	8			
5627	Operate as a Traffic Controller (TC) for low volume and Level 1 roads	3	4		✓	TC Course
20877	Demonstrate knowledge of working safely at sites under temporary traffic management	2	1		✓	
20878	Assist with temporary traffic management for low volume and Level 1 roads	2	1	20877	✓	
6401	Provide first aid	2	1	6402	✓	
6402	Provide resuscitation level 2	1	1		✓	
1277	Communicate information in a specified workplace	2	3			
9677	Participate in a group/team which has an objective(s)	2	3			
1272	Read efficiently to gain maximum information in time spent	3	2			
2977	Read texts for practical purposes	1	4			
1279	Write in plain English	3	3			
3492	Write a short report	2	3			
8778	Construct and maintain control survey marks on land	3	8			
8798	Work safely in a surveying workplace	3	6			
23875	Demonstrate knowledge of, and set up, survey instruments and targets	3	8			
5246	Manipulate algebraic expressions and use algebraic methods to solve problems	2	4			
5245	Solve coordinate geometry problems	2	2			
12318	Use surveying techniques and mathematics to solve problems relating to maps or plans	2	3			
5236	Use Pythagoras' Theorem and trigonometry to find unknowns in right-angled triangles	1	2			
5251	Choose and apply trigonometric methods to solve problems involving lengths and angles	2	3			

Core Elective Units – A minimum of **10 credits** are required, of which a **minimum of 4 credits must be at Level 3** or above.							Tick to select
Unit No.	**Unit Standard Title**	**Level**	**Credit**	**Pre-requisites**	**Off Job**	**Comments**	
2780	Demonstrate and apply knowledge of a personal computer system	2	9		✓		
2784	Create and use a simple computer spreadsheet to solve a problem	2	3		✓		
2788	Produce a simple desktop published document to meet a set brief	2	3		✓		
2790	Use and maintain personal computer peripherals	2	3		✓		
2798	Demonstrate knowledge of the application and impact of computer technology in an organisation	2	2		✓		
3491	Write a report	3	4				
23872	Describe land administration in relation to land development and surveying	4	6				
8799	Calculate areas, contours, and volumes for survey purposes	3	8			5251 recommended	
8800	Apply mathematics to surveying	4	15			5251 recommended	
8801	Use contemporary software to carry out survey computations	4	6			5251 recommended	
23876	Demonstrate knowledge of, perform, and record linear field measurements for survey practice	4	8				
23877	Explain, perform, and record angular field measurements using standard surveying instruments	4	6				
23884	Demonstrate knowledge of, and extract, cadastral data from Landonline	3	5				
	Total Elective Credits						