

National Certificate in Pavement Surfacing (Bulk Bitumen Equipment) Level Three or Four – 107–158 Credits

Training Plan

(Full name)

The National Certificate in Pavement Surfacing (Bulk Bitumen Equipment) is a Level 3 or 4 qualification, comprising 107-158 credits.

To be awarded the qualification trainees must complete:

- Core Compulsory Units
- Core Elective Units

Plus either:

- Gangbar Sprayer Strand, or;
- Handbar Sprayer Strand, or;
- Tank Wagon Strand

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
1734	Demonstrate knowledge of stress, health and fatigue for driving	2	3			
6400	Manage First Aid in emergency situations	3	2	6401	✓	
6401	Provide First Aid	2	1	6402	✓	
6402	Provide resuscitation Level 2	1	1		✓	
16718	Demonstrate knowledge of law and practice for the transport of Dangerous Goods by road	3	5		✓	
20449	Demonstrate knowledge of the dangers of handling bituminous materials and the need for safety	3	20			
20450	Describe safe heating, blending, modification, and transfer of bulk bituminous liquids	4	20	20449		
20456	Demonstrate First Aid relating to liquid bitumen and bitumen additives	2	1	20449 or 20455		
20458	Describe placarding requirements and produce documentation for transporting bituminous materials	2	3			
20459	Transport bulk bituminous liquids by road and assist with loading and unloading	3	8	20456, 20458, 20867		
20867	Respond to fire incidents at a civil infrastructure worksite	3	4			
20868	Demonstrate knowledge of emergency response in the civil infrastructure industry	3	4			
20870	Describe protection of health, safety and environment in the civil infrastructure industry	3	7			
20873	Demonstrate knowledge of health, safety and environmental legislation at civil infrastructure sites	2	5			
20877	Demonstrate knowledge of working safely at sites under temporary traffic management	2	1			

Core Elective Units – A minimum of one unit listed below is required.							Tick to select
Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments	
17972	Demonstrate knowledge of heavy rigid vehicle dynamics and handling for safe driving	3	3		✓		
18079	Demonstrate knowledge of heavy combination vehicle dynamics and handling for safe driving	3	4		✓		
Total Elective Credits							

Strand Options – One of the following strands is required.

Gangbar Sprayer Strand – All the units listed below are required.							<input type="checkbox"/> Tick to select strand
Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments	
17670	Demonstrate knowledge of hot polymer-modified binders and their use in chipseal construction	4	5				
20451	Operate bitumen gangbar sprayer transfer, heating, and blending equipment	4	20	20459, 20461			
20452	Spray bitumen for chipseal surfacing using a gangbar sprayer	4	30	20451			
20461	Demonstrate knowledge of bitumen gangbar sprayers and operations	4	10	20450			
20463	Determine and document bitumen blends	3	5				

Handbar Sprayer Strand – All the units listed below are required.							<input type="checkbox"/> Tick to select strand
Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments	
20463	Determine and document bitumen blends	3	5				
23615	Demonstrate knowledge of bitumen handbar sprayers and operations	3	5				
23616	Operate bitumen handbar sprayer equipment, and handspray bitumen for chipseal surfacing	3	15	20450, 20459, 23615			

Tank Wagon Strand – All the units listed below are required.							<input type="checkbox"/> Tick to select strand
Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments	
3466	Apply risk reduction techniques and strategies while driving	3	4		✓	Driver Licence required	
20460	Operate a bitumen tank wagon	4	15	20450, 20459			