

**NATIONAL CERTIFICATE III IN PLUMBING, SEWERAGE SYSTEM OPERATION AND MAINTENANCE, UTILITY LABORATORY TECHNICAN AND WATER SUPPLY SYSTEM OPERATION AND MAINTENANCE**

**NATIONAL CERTIFICATE III IN PLUMBING**

<b>No of Unit</b>	<b>Unit Title</b>
<b>Common Competencies</b>	
1	Apply Occupational Health and Safety requirements
2	Apply work ethics and optimize professionalism
3	Practice effective workplace communication
4	Provide effective customer care
5	Perform computer operations
6	Provide first aid
7	Respond to fire
<b>Core Competencies</b>	
8	Apply Science and Engineering Measurements
9	Perform safe workshop practice
10	Carry out simple concreting and rendering
11	Prepare Estimate and Read layout
12	Install domestic water pipe systems
13	Install and fit off sanitary fixtures
14	Locate, clear blockages and fix leaks
15	Install below ground domestic waste water
16	Fabricate and install roof drainage components
17	Perform plumbing to support rain water harvesting systems

**NATIONAL CERTIFICATE III IN SEWERAGE SYSTEM OPERATION AND MAINTENANCE**

<b>No of Unit</b>	<b>Unit Title</b>
<b>Common Competencies</b>	
1	Apply Occupational Health and Safety requirements
2	Apply work ethics and optimize professionalism
3	Practice effective workplace communication
4	Provide effective customer care
5	Perform computer operations
6	Provide first aid
7	Respond to fire
<b>Core Competencies</b>	
8	Apply Science and Engineering Measurements
9	Perform workshop practice
10	Apply Electrical Skills
11	Carry out simple concreting and rendering
12	Prepare Estimate and Read layout
13	Install sewerage systems
14	Install below ground domestic sewerage systems
15	Operate sewerage pump station and sea outfall
16	Operate and Maintain Sewerage Treatment Plant
17	Locate and clear blockages within domestic sewerage system

**NATIONAL CERTIFICATE III IN UTILITY LABORATORY TECHNICAN**

No of Unit	Unit Title
<b>Common Competencies</b>	
1	Apply Occupational Health and Safety requirements
2	Apply work ethics and optimize professionalism
3	Practice effective workplace communication
4	Perform computer operations
5	Provide first aid
6	Respond to fire
<b>Core Competencies</b>	
7	Apply science in water testing
8	Apply mathematics in water testing
9	Handle dangerous goods/hazardous substances
10	Work safely with instruments
11	Record and present data
12	Perform calibration and maintenance of laboratory equipment
13	Sampling and prepare samples for testing
14	Prepare working solutions
15	Perform basic tests

**NATIONAL CERTIFICATE III IN WATER SUPPLY SYSTEM OPERATION AND MAINTENANCE**

No of Unit	Unit Title
<b>Common Competencies</b>	
1	Apply Occupational Health and Safety requirements
2	Apply work ethics and optimize professionalism
3	Practice effective workplace communication
4	Provide effective customer care
5	Perform computer operations
6	Provide first aid
7	Respond to fire
<b>Core Competencies</b>	
8	Apply Science and Engineering Measurements
9	Perform workshop practice
10	Apply Industrial electrical
11	Operate chemical separation equipment
12	Operate and Maintain Sewerage Treatment Plant
13	Monitor systems and equipment
14	Collect samples and perform basic water tests
15	Monitor and operate power generation system
16	Troubleshooting of control systems