

Course Name: Water Reticulation Practitioner

SAQA ID: 102581

NQF: 4

Credits: 120236

Duration: 24 Months

Course Outline:

Knowledge Module	Explanation	Credits	NQF
<i>Workplace fundamentals</i>	This module introduces the basic principles of workplace practices, safety, and professional conduct in a water reticulation environment.	5	3
<i>The world of the Water Reticulation Practitioner</i>	This module provides an overview of the water reticulation industry, roles, responsibilities, and key operational practices.	6	4
<i>Tools, equipment and electronic devices</i>	This module develops knowledge of the tools, equipment, and devices commonly used in water reticulation work.	5	3
<i>Basic slinging and lifting operations</i>	This module teaches safe lifting and slinging techniques required for handling equipment and materials.	2	5
<i>Water reticulation systems</i>	This module covers the principles, components, and operation of water reticulation systems.	4	17
<i>Pipes, piping and pipe joining</i>	This module introduces different types of pipes, piping methods, and techniques for joining pipes effectively.	3	6
<i>Pipe laying, valves, actuators, pumps and water meters</i>	This module develops knowledge of installing, maintaining, and troubleshooting pipe networks, valves, pumps, and water meters.	4	9
<i>Operating and maintaining a water reticulation system</i>	This module teaches how to operate, monitor, and maintain water reticulation systems to ensure continuous and safe water supply.	4	12
Practical Module	Explanation	Credits	NQF

<i>Use tools and equipment,</i>	This module develops practical skills in safely selecting and using the tools and equipment required for water reticulation work.	5	3
<i>Conduct slinging and lifting operations</i>	This module teaches hands-on techniques for safely lifting, moving, and securing materials and equipment.	6	5
<i>Install and test a water reticulation infrastructure</i>	This module provides practical experience in installing, connecting, and testing pipes, valves, pumps, and related infrastructure.	22	5
<i>Work safely and respond to emergencies,</i>	This module develops skills to maintain safety in the workplace and respond effectively to emergencies.	3	5
<i>Operate and maintain a water reticulation system</i>	This module equips learners with the ability to operate, monitor, and perform routine maintenance on water reticulation systems.	18	4
<i>Manage a water reticulation team</i>	This module focuses on supervising a team, coordinating tasks, and ensuring safe and efficient work practices.	3	4
Work Experience Module	Explanation	Credits	NQF
<i>Installation processes for water reticulation infrastructure</i>	This module provides practical, on-the-job experience in installing water reticulation systems, including pipes, valves, pumps, and other infrastructure.	58	3
<i>Processes to operate and maintain a water reticulation system</i>	This module develops hands-on experience in operating, monitoring, and performing maintenance on water reticulation systems to ensure continuous and safe water supply.	50	4
<i>Processes to manage team members</i>	This module equips learners with practical skills to supervise, coordinate, and manage a water reticulation team effectively in the workplace.	6	6