



**What does it
take to become a
Water Treatment
Technician?**



Using test equipment and color analysis standards measurements of water quality, Water treatment technicians collect and test water samples, and make adjustments to the chemicals used to make water potable and safe. They record meter and gauge readings on specified forms, and add chemicals, such as ammonia, chlorine, or lime, to disinfect and deodorize water and other liquids. Other tasks include maintaining tanks, filter beds and other work areas, using hand tools and power tools; and repairing equipment.

Skills and Knowledge

Water Treatment Technicians must be capable of taking measurements and interpreting that information to improve water quality. A career in water plant technology requires a strong aptitude in chemistry and mathematics. Candidates also demonstrate knowledge of machines and tools, including their designs, uses, repair, and maintenance. Technicians work under the supervision of other water plant operators, and they must be able to efficiently take direction.

Training

To qualify as a Water Treatment Technician, you can enroll at registered training institutions for a programme which typically covers theoretical and practical training and industry attachment in preparing technicians to work in water treatment plants, wastewater treatment plants, environmental laboratories and in the broader environmental industry.

As you progress through the training programme, you will learn to monitor gauges, dials, or other

indicators to make sure a machine is working properly; performing routine maintenance on equipment and determining when and what kind of maintenance is needed; and troubleshooting causes of operating errors and deciding what to do about it.

Working Conditions

Water Treatment Technicians perform their work under sometimes periodically disagreeable working conditions, which include working outdoors, sometimes in adverse weather, exposed to water, mud, dirt, grease, fumes, chemicals and infectious waste. Sometimes, the physically demanding manual work may require heavy lifting, climbing, standing and walking for sustained periods of time. Incumbents are often required to take stand-by duties that include being on call after hours and responding to emergency problems at any hour, as needed.

Job Prospects

Urbanisation and national efforts to explore and implement viable and sustainable water provision alternatives continue to boost the need for qualified and skilled Water Treatment Technicians.

You too can live your passion and become a Water Treatment Technician. If you are mechanically inclined, fit and strong, and are interested in creating comfort for others, you are a good candidate.

- COLLECT + TESTS SAMPLES
- CHEMICAL TREATMENT TO ENSURE SAFE AND POTABLE WATER
- MAINTENANCE

- CLASSROOM STUDY + HANDS-ON PRACTICE
- JOB PLACEMENT
- TROUBLESHOOTING

- CHEMISTRY + MATHEMATICS
- MECHANICAL SKILLS
- SUPERVISED ENVIRONMENT

I am confident and happy in my choice, because there will always be a need for Water Treatment Technicians.

”

- DISAGREEABLE OUTDOOR CONDITIONS,
- PHYSICALLY DEMANDING
- STRENGTH + ENDURANCE
- EMERGENCIES

- MECHANICALLY INCLINED
- FIT AND STRONG