

TESTING WATER QUALITY

- 100% Online, Self-directed
- High demand for certified professionals
- Quizzes, Gamification, Real world case studies

Instructor: Erick Bandala

<https://leapcloud.iZen.ai>

Email: info@iZen.ai



OVERVIEW: Testing Water Quality

This course provides vital skills for protecting health, ecosystems, and communities through the assessment of water safety indicators and legal evaluation.





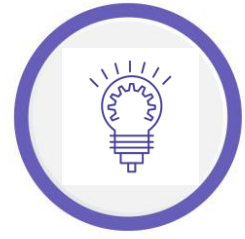
HIGH DEMAND

Global water quality monitoring is set to grow 7.2% CAGR through 2030 due to rising pollution concerns.



HUGE SUPPLY GAP

There is a critical barrier where a lack of qualified individuals is hindering the operation of advanced testing technology.



BRIGHT FUTURE

Europe alone is set to invest \$476 Billion in water infrastructure by 2030, creating a massive need for monitoring.

BENEFITS OF THIS PROGRAM

- ✓ **Public Health Impact:** Play an essential role in protecting communities from contaminants and bacteria.
- ✓ **Stable Green Career:** Jobs in water offer security, great pay, and excellent benefits in a cause-driven field.
- ✓ **Advanced Tech Skills:** Learn to work with AI and real-time sensor networks now used in modern monitoring.

WHO IS THIS PROGRAM FOR?

- ✓ **Aspiring Professionals:** If you're seeking employment and looking to kickstart your career, this program offers the skills needed to succeed in Water Quality Testing and build a rewarding, future-proof, and meaningful career.
- ✓ **Working Professionals:** If you're already working in Water Quality Testing, this course will enhance your knowledge and boost your confidence.
- ✓ **Career Switchers & Learners:** Ideal for anyone seeking an online certification course in Water Quality Testing.

HOW WILL YOU LEARN?



- ✓ Study at a time and speed that suits you best.
- ✓ Utilize a desktop, laptop, or mobile device to access online learning.
- ✓ If internet access is unavailable, utilize the iZen-LEAP® box for course access on your computer or mobile device.
- ✓ If you lack access to a computer or mobile device, connect the iZen-LEAP® box to a TV or monitor and start learning.

PREREQUISITES & COMPLEMENTARY COURSES:

- ✔ No prerequisites are required for taking this course.

WHAT WILL YOU LEARN?

MODULE – 1 & 2: Health Impacts and Risks

- ✔ Protecting health and ecosystems worldwide.

MODULE – 3: Water Quality Parameters

- ✔ Data collection, analysis, and compliance.

MODULE – 4: Site Assessment

- ✔ Sampling techniques and sustainable conservation.

MODULE – 5: Testing Techniques

- ✔ Practical sample collection and result interpretation.

MODULE – 6: Water Treatment Basics

- ✔ pH balance, nitrates, and fluoride testing.

MODULE – 7: DIY Project at Home

- ✔ Improving home water supply quality.

MODULE – 8: Building a Small Business

- ✔ Community safety and profitable water ventures.

MODULE – 9: Safety and Reporting

- ✔ Protocols and legal evaluation.



WHO WILL YOU LEARN FROM?

PROGRAM FACULTY



This course is taught by Erick Bandala, a research scientist and professor with deep expertise in sustainable environmental technologies. His research focuses on the use of solar-driven advanced oxidation processes for environmental restoration, as well as the development of advanced water and soil treatment solutions. Erick has authored over 100 international publications, including 74 peer-reviewed papers and five books. He holds a PhD in Engineering, an MS in Organic Chemistry, and a BS in Chemical Engineering, bringing a strong academic and applied research foundation to this course.

- Erick Bandala LinkedIn profile: <https://www.linkedin.com/in/erick-bandala-72336939/>

WHAT IS THE DURATION OF THE PROGRAM?

- ✓ Approx. 30-40 hours.
- ✓ Rolling enrolment allows you to start any time.
- ✓ The course duration can be aligned to your schedule and requirements.

ABOUT iZen



iZen is a Talent Empowerment company, offering end-to-end solutions for skill development and employability, leveraging the power of AI and other digital technologies. The company was founded in Silicon Valley, California with a global vision to incubate innovation and to provide a platform that gives access to knowledge, skills, and advisory to empower the next generation workforce and students. iZen brings you internationally recognized standard programs, to set you apart and to future-proof your career.

Besides teaching technical skills, iZen also offers courses on “soft skills” that can help you succeed in the workplace. To learn more about how you can support the principles of diversity, equity, and inclusion wherever you work, we encourage you to check out **Introduction to Diversity, Equity & Inclusion**.



HOW DO I ENROLL IN THE COURSE?

<https://leapcloud.iZen.ai>

Email: info@iZen.ai

