

TURNING WATER CHALLENGES INTO SUSTAINABLE SOLUTIONS

South Africa faces growing water and wastewater challenges driven by climate change, pollution, and infrastructure strain. But solutions exist. EUP Water Courses empower professionals and communities with practical, accredited training to manage water resources sustainably, improve wastewater treatment, and protect our environment. Together, we can build a water-secure future.



Environmental Law

Gain a solid foundation in South Africa's environmental legislation and compliance frameworks. This course is designed for professionals who need to understand the legal responsibilities of environmental management, including EIA regulations, pollution control, and enforcement mechanisms.



★ 5 ECSA CPD
★ 5 SACNASP CPD



Modelling and Simulation of Wastewater Treatment Processes

Master the use of simulation software to design, analyse, and improve wastewater treatment processes. This course blends theory with hands-on modelling to help you solve real-world operational challenges.



★ 5 ECSA CPD
★ 5 SACNASP CPD



Advanced Modelling and Simulation of Aquatic Systems: Case Studies

Explore advanced modelling techniques through real-life case studies of rivers, lakes, and reservoirs. This course enhances your ability to simulate aquatic ecosystems and predict environmental impacts.



★ 5 ECSA CPD
★ 5 SACNASP CPD



Environmental Management and Regulation

Learn how to implement and regulate environmental management systems that align with national and global sustainability goals. This course covers environmental impact assessments, regulatory frameworks, and practical tools for compliance and auditing.



★ 5 ECSA CPD
★ 5 SACNASP CPD



Operation of Water and Wastewater Treatment Plants

This practical course equips you with the knowledge to operate and maintain water and wastewater treatment plants effectively. Learn about process control, safety, troubleshooting, and regulatory standards.



★ 5 ECSA CPD
★ 5 SACNASP CPD



Advanced Course in Water Treatment Processes

Delve into advanced water treatment technologies, including membrane filtration, chemical dosing, and disinfection. This course is perfect for professionals looking to upgrade their technical expertise.



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★ 5 SACNASP CPD

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River Modelling Using HEC-RAS

Learn to use HEC-RAS software to simulate river flow, floodplains, and sediment transport. This course is essential for flood risk assessment, infrastructure planning, and environmental conservation.



★ 5 ECSA CPD
★ 5 SACNASP CPD



Stormwater Management Fundamentals and Modelling

Understand the principles of stormwater management and learn to model drainage systems using industry-standard tools. This course addresses urban runoff, flood mitigation, and sustainable drainage.



★ 5 ECSA CPD
★ 5 SACNASP CPD



Water Quality Management and Effluent Treatment

Learn how to manage water quality and treat effluent to meet environmental standards. This course covers pollutants, treatment technologies, and regulatory compliance.



★ 5 ECSA CPD
★ 5 SACNASP CPD



Waste Minimisation and Remediation

This course focuses on strategies for minimising industrial and municipal waste, and techniques for remediating contaminated sites. Learn to implement circular economy principles and sustainable clean-up methods.



★ 5 ECSA CPD
★ 5 SACNASP CPD



Water Analysis, Monitoring and Plant Operation

Gain hands-on experience in water sampling, laboratory analysis, and plant operation. This course bridges the gap between monitoring and operational decision-making.



★ 5 ECSA CPD
★ 5 SACNASP CPD



Advanced Water Quality Management: Fundamentals

Explore the fundamentals of water chemistry, pollution control, and monitoring systems. This course is ideal for professionals looking to deepen their understanding of water quality management.



★ 5 ECSA CPD
★ 5 SACNASP CPD



Advanced Water Quality Management: Treatments

Focus on advanced treatment methods for complex water quality issues, including nutrient removal, industrial effluent, and emerging contaminants.



★ 5 ECSA CPD
★ 5 SACNASP CPD

At **Enterprises University of Pretoria**, we understand that every organisation has unique challenges and priorities. That is why all our courses can be tailored to your specific needs, whether it is in water, energy, sustainability, or compliance. Our customised training ensures that your team gains practical, industry-relevant skills that can be applied directly to your context for maximum impact.

Book a meeting here:
solutions@enterprises.up.ac.za

Additional courses:

- ✓ Advanced HEC-RAS
- ✓ Flood Hydrology and Stormwater Modelling
- ✓ GIS Applications for Water Engineers and Practitioners
- ✓ Mine Dewatering Design and Implementation
- ✓ Energy Efficiency for Buildings and Wastewater Treatment Plants
- ✓ Water Analysis and Monitoring
- ✓ Water Resources Planning

Click here to explore all Enterprises UP courses currently open for registration



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