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To learn more about the
PG Dip in IWM please contact the
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Centre for ENVIRONMENTAL MANAGEMENT

Postgraduate Diploma in
Integrated Water Management
One year, part-time (NQF Level 8)

Training professionals in the environmental
and water sector

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*Inspiring excellence.
Transforming lives.
Inspireer uitnemendheid.
Verander lewens.*

UNIVERSITY OF THE
FREE STATE
UNIVERSITEIT VAN DIE
VRYSTAAT
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FREISTATA



UFS·UV
NATURAL AND
AGRICULTURAL SCIENCES
NATUUR- EN
LANDBOUWETENSKAPPE





The Centre for Environmental Management at the University of the Free State recently introduced a new Postgraduate Diploma in Integrated Water Management (PG Dip in IWM). This qualification was designed to prepare students for the complex problems associated with managing water resources in a water-constrained environment.

The modern water resources manager needs skills and knowledge relating to a variety of sub-disciplines – including engineering, climatology, hydrology, ecology, planning, natural resource management, environmental law, social development, and governance. They are expected to cross social, environmental, and technological boundaries to address a range of issues relating to sustainable resource development and management.

Parts of southern Africa are already experiencing water scarcity, which will be exacerbated by increased pollution, climate change and a growing water demand. This qualification aims to produce graduates ready to apply innovative solutions in support of national priorities like poverty alleviation, economic development and resource

protection.

Course structure

The PG Dip in IWM was developed to accommodate part-time students employed in the water sector. This 120 credit qualification (NQF level 8) comprises three coursework modules to be completed over a one year period. For each module, students must attend compulsory contact sessions on the Bloemfontein campus.

Course content

The coursework is designed to integrate three main themes of water management.

WHY

The **WHY** of water management: How do the concepts of equity, justice, resilience, and effectiveness, guide evidence-based water management? How can information technologies – such as GIS, scenario analysis and system modelling – be leveraged to develop effective theories of change?

WHAT

The **WHAT** of water management: What are the constituent parts of the broader water systems? How does meteorology, hydrology, water quality, geomorphology and ecology interact to affect water supply, and how would this affect the conservation, treatment and provisioning of water?

HOW

The **HOW** of water management: What is the legislative framework that guides water management and how does this policy landscape inform the way we govern the usage of water in southern Africa?



Target audience

Water professionals in southern Africa.

Admission requirements

Applicants should have at least a relevant qualification on NQF level 7, be computer literate, and proficient in English. Recognition of prior learning will be considered.

Articulation

Graduates can progress to a MSc in Integrated Water Management (NQF level 9) upon successful completion of the PG Dip in IWM, depending on their results and capacity to do research.

Application process

Applications close annually on the 30th of September. Prospective students are selected on a competitive basis. Visit www.ufs.ac.za/cem for more information.

