

# Regional Masters Degree Programme

*in Integrated Water Resources Management*



WaterNet invites applications for admission to the 2018/19 regional Master Programme in Integrated Water Resources Management (IWRM) to be hosted by seven universities in the Southern Africa region.

## STRUCTURE OF THE PROGRAMME

The programme comprises a compulsory core (consisting of 8 modules), a selected option (consisting of 4 modules) a groupwork project and a dissertation research project

### PREPARATION MODULE (ON REQUEST)

Pre-Masters English for Water Managers

### CORE MODULES AT THE UNIVERSITY OF DAR-ES-SALAAM AND THE UNIVERSITY OF ZIMBABWE (8 MODULES)

Principles of IWRM  
GIS, database management and analytical tools  
Principles of Hydrology  
Water Resources Analysis & Planning

Principles of Aquatic Ecology  
Principles of Water Quality & Environmental Management  
Socio-Economics of Water & Environmental Resources  
Policies, Laws & Institutions

### OPTIONS (4 MODULES)

UNIVERSITY OF DAR ES SALAAM	UNIVERSITY OF ZIMBABWE	UNIVERSITY OF BOTSWANA	UNIVERSITY OF KWAZULU-NATAL	UNIVERSITY OF MALAWI	POLYTECHNIC OF NAMIBIA	UNIVERSITY OF THE WESTERN CAPE
Hydrology	Water Resources Management	Water and Land	GIS and Earth Observation	Water and Environment	Water Supply and Sanitation	Water and Society
Hydrogeology	Water Resources Assessment and Monitoring	Agricultural Water Management	Advanced GIS	Water Quality Management	Waste Water Management	Water and Security
River Engineering	Groundwater Management	Wetlands and Agriculture	Spatial Analyses for Water Resources Management	Environmental Management Tools	Water Supply	Environmental Education
Hydrological Processes	Water Resources Modelling	Agro-industrial Water Use	Earth Observation and Hydrological Analyses	Environmental Water Management	Water Utilities Management	Water and Development
Hydrological Modelling	Catchment Water Management	Catchment Management	Earth Observation Project	Management of Aquatic Ecosystems	Environmental Water Quality Process	Water Demand Management



### RESEARCH METHODS AND GROUPWORK PROJECT

### DISSERTATION RESEARCH PROJECT (6 MONTHS)



## Entry Requirements

Participants are required to have at least a good first degree at Bachelor level (BA/BSc). The candidate should be able to show an orientation of his/her field of study to water related issues. Preference will be given to those with two or more years of relevant experience. The language of instruction is English. Below are the preferred entry requirements for the various Options.

<b>Hydrology</b>	Bachelor's degree with a Hydrology or Environmental Science background or equivalent
<b>Water Resources Management</b>	Bachelor's degree in Engineering, Agriculture, Science or equivalent
<b>Water and Land</b>	Bachelor's degree in Agricultural Engineering, Geography, Physical Planning or equivalent
<b>GIS and Earth Observation</b>	Bachelor's degree with a Hydrology or Engineering background or equivalent
<b>Water and Environment</b>	Bachelor's degree in Biology, Chemistry, Earth or Environmental Science or equivalent
<b>Water Supply and Sanitation</b>	Bachelor's degree in Civil Engineering or Environmental Science or equivalent
<b>Water and Society</b>	Bachelor's degree in Social or Earth Science or equivalent

## Start of Programme

The programme starts in February of each year at the two host institutions.

## Financial Assistance

WaterNet offers a limited number of scholarships on a competitive basis to SADC, Uganda and Kenya nationals.

## Achieving Sustainability

The Masters programme has been successfully rolled for the past 16 years with the generous support from the governments of the Netherlands and Sweden. The aim of Phase IV (2017-2021) is to consolidate the Master programme and make it more sustainable for the future by sourcing fellowships from the region through support from individual SADC governments. SADC Water Ministers have indicated their commitment towards supporting fellowships for their government staff and nationals. Once this is institutionalised, the funding is secured for a longer term. It is envisaged that the national governments will have a strong say in who gets awarded a fellowship, but WaterNet will continue to coordinate the IWRM programme.

## How to Apply

A call for applicants is circulated to all SADC member states, WaterNet member institutions and affiliated partners mailing lists. The call is also available on the WaterNet website. Applications should reach the Secretariat by 25 August 2017. If you have not heard from the WaterNet Secretariate by 30 November 2017, consider your application unsuccessful. For this intake (2018/19), a letter of support for those requiring financial assistance from the applicant's Ministry of Water will be an additional advantage.

Submit the application in electronic form to [iwrm-masters@waternetonline.org](mailto:iwrm-masters@waternetonline.org) or in hardcopy to:

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Government of  
the Netherlands

For any further information, please contact the WaterNet Secretariat

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**WATERnet**

A SADC subsidiary institution for building capacity in Integrated Water Resources Management