

Career Opportunities

Upon completion of our postgraduate programmes, students gain relevant skills and knowledge for them to work with many organisations.

Our postgraduate students can among others be employed by government departments, private sector, industries and NGOs in the following areas:

**Water Supply,
Water Resources,
Hydropower,
Water-Sanitation-Hygiene (WASH),
Environmental Management,
Waste Management,
Sanitation Entrepreneurship,
Irrigation.**

The graduates can also be recruited in academics or establish their own **Research & Consulting Firms.**



Entry Requirements

MSc Programmes

A minimum of BSc degree in Water Resources or Environmental Sciences or Engineering related subject or its equivalent. English language skills is a must. Expert knowledge, experience in WASH projects and work will be an added advantage.

PhD Programmes

A minimum of MSc degree in Water Resources or Environmental Sciences or Engineering related subject or its equivalent. English language skills is a must. Expert knowledge, experience in WASH projects and work, research or science related publication will be an added advantage.

Fees per academic year (2019 intake):

MK1,400,000 for Malawian, US\$5,500 for SADC; US\$6,000 for non-SADC nationals.

Application period: 1-24 May, 2019.

Scholarship: Awarded to few students on the basis of academic merit.

Staff

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MZUZU UNIVERSITY
Faculty of Environmental Sciences

**Department of Water
Resources Management and
Development**



POSTGRADUATE
Prospectus 2019

DEPARTMENT OF WATER RESOURCES MANAGEMENT & DEVELOPMENT



Our Vision

► *“To become a leading School for Water & Sanitation Sciences in the country and beyond that effectively provides training, consultancy & research needs of the industry & communities”*

Our Mission

To provide skill enhancing opportunities to Malawians and others through the acquisition of professional knowledge, technical and practical skills in the water and sanitation sector, research on the development of innovative and sustainable provisions of water and sanitation services.



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About Us

The Department of Water Resources Management & Development (WRMD) is within the Faculty of the Environmental Sciences at Mzuzu University, Malawi – Southern Africa.

We offer Bachelor's degree programmes in Water Resources Management and Development (BSc. in WRMD) and Sanitation (BSc in Sanitation). We also offer Masters (MSc) and Doctoral (PhD) programmes—both in Water Resources Management (WRM) and Sanitation. Our programmes focus on the needs for Malawi, Sub-Saharan (Africa) countries & beyond. We endeavor to promote national and international policies and visions e.g. MDGs III, Vision 2020, SDGs.

The Department, together with the Centre of Excellence in Water and Sanitation (WATSAN)-SMART Centre, and other Departments also offer **Short Courses, Research, Consultancy, Community Outreach and Tailor-made Training.**

Rationale of our MSc/PhD

Currently, there are several challenges affecting the Water sector. These include degradation of catchments, water pollution, poor and inadequate water supply and sanitation services, inadequate capacity, frequent droughts and floods. Climate change and the ever increasing population also pose serious threat to the sector. There is need for trained manpower in fields of water resource management and sanitation.

Our programmes, therefore, aim at sustainably developing & managing water resources, promoting sanitation and hygiene, developing non-sewered sanitation technologies and innovations among others.

We provide learning experiences based on course work and research, using supervision and interaction as learning elements.

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Postgraduate Programmes

MSc and PhD in WRM

Modules covered:

Water Resources Management;
Integrated Water Resources Management;
Water Resources Planning and Management;
Water Supply (Water and Wastewater Engineering);
Watershed Management;
Water Quality and Treatment;
Water for production;
Ecosystems;
Remote Sensing and GIS Modelling for Water Resources;
Solid Waste Management;
Wastewater Treatment and Faecal Sludge Management;
Project Management;
Research Methods;
Research Project (Dissertation).

MSc and PhD in Sanitation

Modules covered:

Sanitation;
Sanitation Systems and Services;
Sanitation and Public Health; Analysis of Sanitation Flows;
Sanitation Technology; Sanitation Governance;
Sanitation Financing;
Behaviour Change and Advocacy; Emerging Sanitation;
Leadership; Project Management;
Teamwork Skills Development;
Research Methods;
Research Project (Dissertation).

This programme is being implemented in collaboration with UNESCO—IHE Delft (Netherlands).



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