



**UNIVERSITY OF ZAMBIA**  
**SCHOOL OF ENGINEERING**  
**DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING**

**MASTERS OF SCIENCE IN SANITATION**

University of Zambia School of Engineering in collaboration with IHE Delft Institute of Water Education with support from Bill and Melinda Gates Foundation has introduced a Master of Science in Sanitation

**INTRODUCTION**

- Worldwide, there has been realization that sanitation coverage ending at containment would not effectively result in the required results
- The Government of Zambia has been implementing several sanitation initiatives
- In the recent past, the government launched the Urban Sanitation Strategy to foster implementation of the pronouncements of the other initiatives on sanitation including the National Urban Water Supply and Sanitation Programme (NUWSSP 2011 – 2030)
- The government has also launched the Framework for provision and regulation of Urban Onsite Sanitation (OSS) and Faecal Sludge Management (FSM) in Zambia
- Number of Sanitation Master plans for the Cities have been launched i.e Lusaka Sanitation Master Plan
- However, there has been no initiative on capacity building in the subsector on aspects of onsite sanitation especially at Masters level

**RATIONALE**

- The main thrust of most programs on sanitation is on centralized systems.
- Despite that a bigger the proportion of the population relies on onsite sanitation facilities which require sound faecal sludge management systems
- With most governments trying to address aspects of OSS and FSM, capacity building in this area is cardinal
- This course will bridge this gap in capacity in OSS and FSM at both national and regional level thereby contributing to national and regional economic growth.

## **EMPLOYMENT PROSPECTS**

- As stated, for Zambia, a number of initiatives are under implementation
- Implementation is by the government, the private sector and institutions of learning and research
- Graduates are therefore expected to be absorbed in by these institutions Water Utilities, Government Ministries, NGOs and the private sector.
- This most likely applies to other countries in the region

## **STRUCTURE OF THE COURSE**

- ❖ To be in tandem with the other programs, the Masters will run over a two-year period as follows:
- ❖ **Part I: Course Work**
- ❖ Full-time students undergo course work during a period of two terms (one academic year).
- ❖ **Part II: Research Work**
- ❖ The Candidate makes a research proposal which once accepted is developed into a full dissertation. Each student is assigned a Supervisor who guides throughout the research process within a period of one academic year.

## **COURSE covered include**

1. Sanitation Systems and Services
2. Epidemiology and Public Health
3. Behavior change and Advocacy
4. Sanitation Technology and Project Management
5. Sanitation Governance and Financing
6. Leadership and WASH in Emergencies
7. Advanced Research Methods and Basic Laboratory Training

## **ENROLMENT AND ADMISSION CRITERIA**

- ❖ Admission Criteria
  - ❖ Graduates of the University of Zambia who have been admitted to the appropriate Bachelor's degree in Science or related field with at least a Credit; or
  - ❖ Graduates of other recognized universities who have been admitted to the appropriate Bachelor's degree in Science or related field with at least a Lower second class honors; or
  - ❖ In exceptional circumstances, graduates who possess a Bachelor's degree in Science or related field with a pass or its equivalent, and have a minimum of two years' acceptable professional experience

For more information on the program please contact Head of Department



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