Short courses
for continued professional development

For staff working on water, sanitation and hygiene projects and programmes worldwide

Study in the UK or by Distance Learning
The WEDC Short Courses

Designed for either new or experienced staff working on water, sanitation and hygiene development across the globe, WEDC short courses are a means to rapidly develop new skills and have the following benefits:

- Courses can be studied part-time and flexibly alongside your employment.
- Our education and training programmes are held in high regard by practitioners and employers from both international development and emergency sectors.
- Short courses are taught by experts in a broad range of disciplines who have considerable experience of working in low- and middle-income countries.
- All our courses are accredited by CIWEM and the Joint Board of Moderators (JBM).
- Courses may be counted towards a postgraduate qualification, such as an MSc, Diploma or Postgraduate Certificate.
- Courses are available to study at WEDC, Loughborough University or by distance learning.
- You will join a respected global community of WEDC alumni which numbers more than 1500 from over 70 countries.

- WEDC alumni work for international NGOs, such as MSF, Oxfam, WaterAid; international agencies such as UNICEF; or local and national governments.

Credit bearing options

Fees: UK/EU: at WEDC: £887 By DL: £756
International: at WEDC: £1,875 By DL: £1,521

September – January (credit bearing)

Management of Water and Environmental Sanitation Services
Learn how to apply the principles, concepts, challenges and key issues of managing sustainable water supply and environmental sanitation development programmes in low- and middle-income countries, using the management of solid waste as a practical example.

Management of Village Water Services
Gain critical understanding and skills relating to the important aspects of the provision, operation, maintenance and management of sustainable small water supplies for low-income communities.
February – June [credit bearing]

Water and the Natural Environment
Gain critical understanding and skills relating to aquatic environments, examining quantities, qualities and ecologies of natural water resources and how these relate to society’s needs. Learn how to apply the processes of environmental assessments in low- and middle-income countries.

Household and Communal Sanitation Management
Gain critical understanding and skills relating to the complex mix of institutional, environmental, social, economic and human factors that should be considered when facilitating the improvement of sanitation in rural, small town, peri-urban and informal urban settings. Learn how to apply the important principles of changing people’s attitudes and behaviours as well as delivering infrastructure improvements.

Management and Operation of Water Utilities
Gain critical understanding and skills relating to the design, operation and management of water supplies in urban areas. Understand the principles of organizational design and management of water utility services in low- and middle-income countries.

Urban Sanitation Management
Develop your understanding and skills required to plan and manage sanitation services in urban areas of low- and middle income countries. Learn techniques for working with technical staff to produce sustainable, integrated sanitation solutions.

Disaster Risk Management (DRM)
Understand how DRM activities (structural and non-structural) and be sustained worldwide. Explore the links between engineering interventions and increases or decreases in disaster risk.

Humanitarian Water, Sanitation and Hygiene Promotion
Learn how a flexible approach based on appropriate assessments can support the design and implementation of an emergency water supply and/or sanitation (WASH) intervention that meets the needs of the users whilst addressing environmental, institutional and time-based issues.

Non-credit bearing options
Distance learning only
Fees: UK/EU: £746  International: £1,300

January – June [non-credit bearing]

Data Collection, Analysis and Research
Understand the principles and approaches of research design, data collection and analysis related to doing and using research on infrastructure and services in low- and middle-income countries.

Accredited by CIWEM and the JBM
Urban Infrastructure
Understand the key issues in the planning and conceptual design of infrastructure improvements for low-income urban communities.

Water for Low-income Communities
The aim of this module is for the student to understand important aspects of the design, construction, operation and maintenance of small water supplies for low-income communities.

Solid Waste Management
The aim of this module is to introduce participants with available and possible options in solid waste management for low- and middle-income areas. To make participants familiar with the skills of analysing solid waste management issues.

July – December (non-credit bearing)

Integrated Water Resources Management
Understand and learn how to apply the concepts used in integrated planning and management of water resources in low- and middle-income countries.

Wastewater Treatment
Learn about and understand the various stages and unit operation and process options for treatment of wastewaters, along with the principles necessary for planning and designing wastewater treatment facilities in low- and middle-income countries.

About WEDC and Loughborough University
The Water Engineering and Development Centre (WEDC) is one of the world’s leading education and research institutes developing knowledge and capacity to support the sustainable delivery of water and sanitation services and emergency relief; water hazard risk resilience; and hydrodynamics, fluvial processes and catchment management.

We are known and respected for our high-quality education and training programmes which have supported the career development of sector professionals for over 45 years. These courses can be studied at Loughborough University or by distance learning.

We hold one of Loughborough University’s seven Queen’s Anniversary Prizes for Higher and Further Education, cited as providing “outstanding support for developing countries”.

We are proud to be part of the School of Architecture, Building and Civil Engineering at Loughborough University.

Loughborough University is ranked in the top 10 of all of the most recent national league tables.