Appendix 1: Eligible Fields of Study (Non-exhaustive)

Core water and environmental disciplines

- Water Resources Engineering
- Hydrology and Hydrogeology
- Civil Engineering (Water/Sanitary/Environmental tracks)
- Environmental Engineering
- Sanitary Engineering
- Water and Wastewater Treatment Engineering
- Urban Water Systems/Urban Drainage
- River Basin Management
- Integrated Water Resources Management (IWRM)
- Coastal and Marine Engineering (water supply/desalination interfaces)
- Hydraulics and Hydraulic Engineering

Water quality, treatment, and health

- Water Quality Science
- Water Chemistry
- Microbiology for Water and Wastewater
- Environmental Microbiology
- Public Health (Water, Sanitation and Hygiene—WASH)
- Environmental Health Engineering
- Toxicology related to Water Contaminants
- Occupational and Environmental Health (water focus)

Sanitation, WASH, and infrastructure

- WASH (Water, Sanitation and Hygiene) Studies
- Sanitation Engineering
- Faecal Sludge Management
- Decentralised Wastewater Systems
- On-site Sanitation and Small-Scale Treatment Systems
- Rural Water Supply and Sanitation
- Humanitarian WASH and Emergency Water Supply
- Civil Engineering (with a focus on water systems)
- Water Supply and Distribution Engineering
- Irrigation and Drainage Engineering

Planning, governance, and policy

- Water Governance and Policy
- Environmental Policy and Management (water focus)
- Water Law and Regulation
- Transboundary Water Management
- Climate Adaptation for Water Systems
- Disaster Risk Reduction for Water Infrastructure
- Development Studies (WASH/Water Security focus)

- Water Utility Management and Operation
- Community-Based Water Supply and Rural Development
- Disaster Risk Reduction related to Water Supply

Sustainability, climate, and ecosystems

- Climate Change and Water Security
- Hydroclimatology
- Catchment/Watershed Management
- Ecohydrology
- Freshwater Ecology and Limnology
- Nature-based Solutions for Water Management
- Environmental Monitoring and Assessment

Technology, innovation, and data

- Desalination and Membrane Technologies
- Advanced Oxidation Processes
- Water Reuse and Reclamation
- Digital Water/Smart Water Systems (sensors, IoT, SCADA)
- Hydrological Modeling and Simulation
- GIS and Remote Sensing for Water Resources
- Data Science for Water Systems
- Pumping and Pipeline Systems Engineering
- Leak Detection and Non-Revenue Water Management
- Smart Water Technologies
- Climate-Resilient Water Supply Systems
- Renewable Energy for Water Systems (Solar Pumping, Hybrid Systems)
- Sustainable Urban Water Management (SUWM)
- Green Infrastructure and Nature-Based Solutions (focus on water)

Supply, operations, and utilities

- Water Supply Engineering and Distribution
- Utility Management for Water Services
- Asset Management for Water Infrastructure
- Operation and Maintenance of Water Treatment Plants
- Energy Efficiency in Water Utilities

Agriculture and industry interfaces

- Agricultural Water Management/Irrigation Engineering
- Soil and Water Conservation Engineering
- Industrial Water Management and Process Water
- Pollution Control Engineering
- Mining and Water Management

Economics and finance

- Water Economics and Financing
- Water Economics and Tariff Systems
- Infrastructure Finance (water focus)
- Cost-Benefit Analysis for Water Projects

Cross-cutting skills

- Project Management for Water and Environmental Projects
- Monitoring, Evaluation, and Learning (MEL) for WASH
- Social and Behavior Change Communication (SBCC) in WASH
- Community Engagement and Participatory Water Planning