KNU Graduate School
Department of Water & IT Engineering

waterit.knu.ac.kr

About Us

The Department of Water and IT Engineering, funded by the Korean Ministry of Environment, is dedicated to training graduate students capable of leveraging state-of-the-art water technologies and integrating them with the fourth industrial revolution to bolster competitiveness in the water industry. By providing interdisciplinary education and fostering collaboration, including partnerships with industrial sectors, we empower students to excel in education and research across vital domains, including sensing, monitoring, control, treatment, IoT, and artificial intelligence. We aim to foster innovation through robust collaborations between industry and academia in the convergence of water and IT fields.

Online Applications
Every June, October, and December

Graduate Programs
Master's and Doctoral

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KNU Graduate School
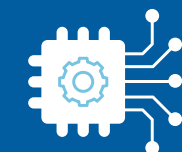**Department of Water & IT Engineering**

Contact

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Water & IT Engineering

KNU Graduate School
Department of Water & IT Engineering

Admission

- Online Applications: Every June, October, and December
- Graduate Programs: Master's and Doctoral

Graduation Requirements

- Course Credits

Program	Credit		Total
	Main campus	Water campus	
Master's	15	9	24 or more
Doctoral	24	12	36 or more

- Participation in an industry-academia collaboration project
- Thesis/dissertation
  For more details, please refer to the link:
  http://waterit.knu.ac.kr

Uniqueness

- Field-focused education at the Korea Water Cluster
- Interdisciplinary education offered by the institutional consortium: Kyungpook National University, Yeungnam University, and UNIST

KNU KYUNGPOOK NATIONAL UNIVERSITY
Yeungnam University
UNIST ULSAN NATIONAL INSTITUTE OF SCIENCE AND TECHNOLOGY

Water Campus

KOREA WATER

Benefits and Support

- Full tuition coverage
- Monthly stipend
- Field practices and internships
- Opportunities for overseas training
- Participation in domestic and international conferences
- Job opportunities in affiliated companies

Affiliated Companies

Closer to Nature, Closer to People
Korea Environment Corporation

SAMSUNG SAMSUNG ENGINEERING

SK siltron

KOLON GLOBAL

SYNOPEX

BIOX CLAN
Investing in the future of biotechnology

KED
KOREA ENVIRONMENT DEVELOPMENT

ATT
Challenge for Changes

ESSA

KEC Korea Environment & Co-generation (주)케이이씨시스템

USOL
Total U-city solutions

ENICT

(주)그린텍
PUMP & SYSTEM ENGINEERING

TAEYOUNG FILTRATION SYSTEM

samjin World Innovator

J 제이텍

청수

(주)한도엔지니어링 종합건축사 사무소

ASIA ENVIRONMENT 아시아환경(주) ASIA ENVIRONMENT CO.,LTD.

GeoGreen21

ECORBIT WATER

ILCHEON PRECISION WATER SYSTEM

INTECH WATER

FLOWORK

Education Programs

Water Track

- Monitoring and Control
- Novel Materials and Components
- Advanced Water Technologies
- Water Supply and Sewerage Systems
- Environmental Policies

IT Track

- Internet of Things
- Big Data
- Artificial Intelligence
- Virtual/Augmented Reality
- Robotics Engineering

Research Topics

- Membrane Technology
- Groundwater Management
- Micropollutant Analysis
- Environmental Nanomaterials
- Physical Intelligence
- Artificial intelligence
- Optomechatronics
- Deep Learning
- Aerial Robotics