



## Admissions at a Glance

### Requirements

- hold a university degree (Bachelor) related to engineering, natural sciences, geography, agricultural or social sciences
- have an academic or professional background related to environmental or resources management
- be fluent in English (B2 or equivalent to study in Vietnam, IELTS 6.0 for exchange to Germany)
- motivation letter for this MSc course on one page (English)
- A research idea on two pages (English)

### Study Fees

- ca 60.000.000 VND (~ € 2400) for the whole program in Vietnam and master degree by TLU
- ca 120.000.000 VND (~ € 4700) including exchange to Germany and master degree by TH Köln

### Scholarships

- Scholarships from DAAD for study one exchange semester in Germany: flight, accommodation, allowance, semester fee, insurance are all covered (€750/month x 6 months)
- DAAD scholarships for Vietnamese students and foreign students to study in Vietnam: €150/month x 6 months/semester + full tuition fee for one semester (for 30% of total students based on study achievements)

### Application Process

- Application period: from January 1st to June 15th each year
- Course starts at the beginning of August each year

Questions? Please contact:

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### Vietnam Academy for Water Resources (VAWR)

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### TH Köln (University of Applied Sciences)

*Institute for Technology and Resources Management in the Tropics and Subtropics (ITT)*

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### ITT

Institute for Technology and Resources Management in the Tropics and Subtropics

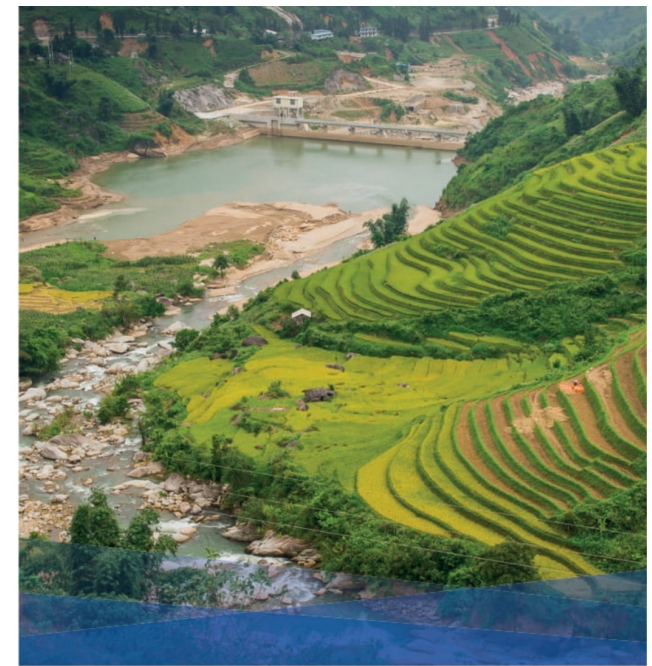
**Technology Arts Sciences**  
**TH Köln**



### ITT

Institute for Technology and Resources Management in the Tropics and Subtropics

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## Master of Science Integrated Water Resources Management

*with focus on South East Asia*

# MSc. Integrated Water Resources Management

Adequate availability of clean water is indispensable for food supply and health and hence key for the development of societies worldwide. However, pressure on water resources is increasing due to fast demographic and socioeconomic growth and unsustainable water uses.

The concept of Integrated Water Resources Management combined with current climate change adaptation best practices offers solutions to deal with these challenges by assessing and managing this precious resource in space and time considering other related sectors.

Worldwide, there is a high and growing demand for experts adequately trained on the concepts of Integrated Water Resources Management. Next to technical and managerial knowledge, they should also be familiar with the practices of project funding and international cooperation. The objective of the program is to capacitate such experts in the field of Integrated Water Resources Management and related concepts and methods.

The program targets graduated professionals with working experience in public or private institutions, authorities and enterprises of the water sector. The applicants should be active in or dealing with water or natural resources management and have an interest in learning and working in an intercultural and multidisciplinary environment.

This special course is a trilateral cooperation between the Institute for Technology and Resources Management in the Tropics and Subtropics (ITT) at TH Köln (University of Applied Sciences) and Thuy Loi University (TLU) and Vietnam Academy of Water Resources (VAWR) - Vietnam.

## Study structure

The module system is designed to provide students with the theoretical background like comprehensive foundation in the geography of tropical and subtropical regions, economics, international development and management and practical skills. The first three semesters cover scientific work, research methods and thesis preparation. In the last semester, students take part in the field work and focus on the master thesis.

Classes are held in English and take place Monday–Friday afternoon, 4pm to 8pm.

## Program Overview

1st Semester  
*held in Vietnam*

### Problem Definition and Analysis

Project I

Management of Natural Resources System

Natural Resources Economics and Governance

Elective Modules (3)

2nd Semester  
*held in Vietnam*

### Concepts and Solutions

Project II

Project and Business Management

International Cooperation and Development

Elective Modules (3)

3rd Semester  
*held in Vietnam or Germany*

### Contextual Implementation

Project III

Master Thesis Preparation

Elective Modules (4)

4th Semester  
*held in Vietnam*

### Practical Semester

Master Thesis Research

Master Thesis Defense

*The curriculum is complimented by field visits, expert seminars, and tandem work.*

### International exchange and research opportunities

- opportunity to participate in Joint-Student-Projects with the students from international partners (Brazil, Chile, Nepal,...)
- opportunities to join on-going research projects

### Career Prospects

- excellent career opportunities in international cooperation and development assistance
- leadership positions in the public and private sector
- be a part of a network of excellence on integrated water resources management

### What do we offer?

- an exchange semester in Cologne, Germany
- German M.Sc. Degree issued by TH Köln
- a program based on the European Credit Transfer System (ECTS), accredited in Germany

- German and Vietnamese professors from ITT, TLU and VAWR as well as external institutions
- courses and field visits on the latest concepts and technologies of natural resources management
- individual tutoring through e-learning platforms
- network partners in universities, research institutions, the public and private sector and the development aid sector
- support to pursue higher qualification (Ph.D) in Germany and Vietnam
- a lively ITT Alumni network