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Master of Science Integrated Water Resources Management

with focus on South East Asia

Admissions at a Glance

Study Fees

- tuition fees of the two year MSc course (including one semester in Germany): ca 110.000.000 VND (approximately €4500)

Requirements

- proof of English proficiency
- bachelor's degree related to engineering, natural sciences, geography, agricultural or social sciences (and at least 15 ECTS related to natural resources management)
- explanation of study motivation (one page)
- explanation of research idea (two pages)

Scholarships

- scholarships are granted to outstanding Vietnamese students and to foreign students who come to Vietnam to take part in the course
- scholarships from DAAD and CNRD (Centers for Natural Resources and Development) are available for students to study one exchange semester in Germany
- other scholarships may be available upon request

Application Process

The application period runs each year from December 15th to May 31st. For detailed information please visit our website.



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Vietnam Academy for
 Water Resources
 Center for Training and
 International Cooperation

171 Tay Son – Dong Da
 Hanoi, Vietnam

TH Köln (University of
 Applied Sciences)
 Institute for Technology and
 Resources Management in the
 Tropics and Subtropics (ITT)

Betzdorfer Straße 2
 50678 Cologne
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ITT

Institute for Technology and
 Resources Management in
 the Tropics and Subtropics

**Technology
 Arts Sciences
 TH Köln**



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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 bilateral cooperation between the Institute for Technology and Resources Management in the Tropics and Subtropics (ITT) at TH Köln (University of Applied Sciences) and Vietnam Academy of Water Resources (VAWR). ITT has educated more than 700 MSc students from many countries worldwide in the following three key domains: water, natural resources and renewable energy management. Cutting edge teaching concepts are combined with up to date research applications and field work.

VAWR/CTIC is responsible for water related country-wide applied research, international cooperation, technology transfer, post-graduate professional training, consultancy services and implementation of water supply and irrigation infrastructure, hydropower and environmental planning.

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

Program Overview

1st Semester <i>held in Vietnam</i>	2nd Semester <i>held in Vietnam</i>	3rd Semester <i>held in Germany</i>	4th Semester <i>held in Vietnam or Germany</i>
Problem Definition and Analysis	Concepts and Solutions	Contextual Implementation	Practical Semester
Project I	Project II	Project III	Master Thesis Research
Management of Natural Resources System	Project and Business Management	Master Thesis Preparation	
Natural Resources Economics and Governance	International Cooperation and Development		
Elective Modules (3)	Elective Modules (3)	Elective Modules (4)	Master Thesis Defense

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

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, 4pm to 8pm.

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 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