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## Master of Science Natural Resources Management *with focus on South East Asia*




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

**Technology  
 Arts Sciences  
 TH Köln**

## 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.



[nrm-master.info/nrm-sea](http://nrm-master.info/nrm-sea)

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  
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**ITT**  
 Institute for Technology and  
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 Arts Sciences  
 TH Köln**

# Master of Science in Natural Resources Management

Global population, economic growth and on-going environmental deterioration are increasing the pressure on existing natural systems. Their ability to provide natural resources such as food, water and energy is at risk and waning. Under conditions of globalization, these processes are most forceful in developing countries and emerging economies with high growth rates, low awareness, loss of existing traditional knowledge bases and weak governance structures. This calls for specialists and leadership in order to develop and employ managerial, economical, governance, and technical solutions. The objective of the program is to form such experts. Participants are provided with appropriate knowledge and skills to analyze current problems related to the usage and management of natural resources.

The program targets graduated professionals with working experience in public or private institutions, authorities and enterprises of the natural resources sector. The applicants should 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  
*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 Germany*

### Contextual Implementation

Project III

Master Thesis Preparation

Elective Modules (4)

4th Semester  
*held in Vietnam or Germany*

### Practical Semester

Master Thesis Research

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 natural resource 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