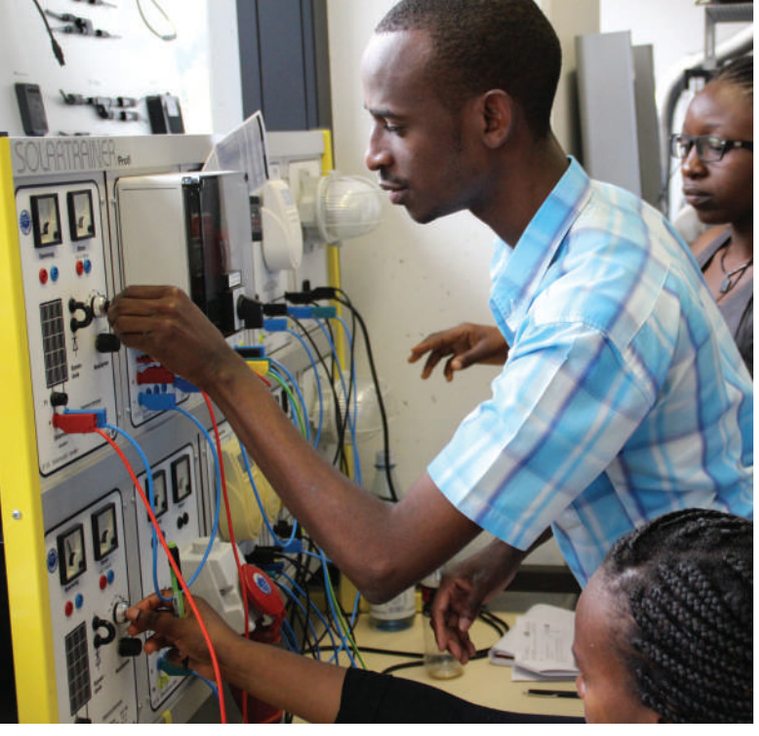

Admissions at a Glance

Study Fees
- No tuition fees
- University registration fees in each semester

Requirements
- Bachelor's degree
- Previous studies in a field related to energy
- Proof of English proficiency
- Explanation of study motivation
- Research proposal for master thesis

Scholarships
- Up to 3 applicants receive full scholarships from the DAAD EPOS Programme.

Application Process
Application deadlines differ for scholarship and non-scholarship applicants as well as for German and international applicants. For detailed information, please visit our website.

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

Faculty of
Spatial Development and
Infrastructure Systems

**Technology
Arts Sciences
TH Köln**

Master of Science
Renewable Energy Management

**Technology
Arts Sciences
TH Köln**

Master of Science in Renewable Energy Management

With declining fossil energy resources, environmental pollution and climate change, the need for a sustainable energy supply is becoming increasingly more important. The international community has agreed upon the use of renewable energy as an instrument towards sustainable energy development. Management of energy resources and technologies is a global issue and it needs a well trained workforce – from the policy to practitioner level.

The objective of the master's program is to develop such experts. Focusing on countries in Africa, Asia and Latin America, the program emphasizes a holistic approach, considering both technical and socioeconomic aspects of energy management. Participants are provided with appropriate knowledge, methods and skills to analyze current problems in the field of renewable energy usage and related sectors.

Ideal candidates for the program are recently graduated students or professionals with working experience in public or private institutions, authorities, or enterprises of the energy sector. The applicants should be active in or dealing with energy and have an interest in learning and working in an intercultural and multidisciplinary environment.

Study Structure

The studies cover a period of four semesters. From the first to third semester classes take place in Cologne. The program consists of core modules with the aim of providing an overview on renewable energy, economics, project management and the regional and institutional context. In addition, participants select electives related to specific topics of renewable energy management.

The fourth semester focuses on the preparation of a master thesis. Internships and research stays, if possible together with a local institution or company, support the practical orientation of the research.

Program Overview (REM)

Practice oriented Modules | Core Modules | Elective Modules

1st Semester 30 ECTS	2nd Semester 30 ECTS	3rd Semester 30 ECTS	4th Semester 30 ECTS
Project I Regional Systems	Project II Solution Design	Project III Implementation & Evaluation	Master Thesis Research & Writing
Management of Natural Resources Systems	Project Management	Master Thesis Preparation	
Environmental Economics & Governance	International Cooperation		
Electives & Tools (3)	Electives & Tools (3)	Electives &Tools (4)	Master Thesis Defense
Field Visits →	Expert Seminars →	Tandem Work	

Five electives must be chosen from the module catalogue of Renewable Energy Management. Additional three electives can be chosen from the catalogues of any of the three programs (REM/IWRM/NRM). A minimum of two modules must be chosen from the catalogue of tools/methods.

The curriculum is complemented by field visits, expert seminars, and interdisciplinary group work.

What do we offer?

- Courses and field visits focused on the latest concepts and technologies of renewable energy
- Advice from high level professionals and entrepreneurs in the energy sector
- Training in project management and leadership qualifications
- Information on practice and projects of international cooperation
- Study exchange opportunities with partner universities
- Alumni network of experts in the renewable energy sector with ample opportunities of continuing cooperation

Career Prospects

- Excellent career opportunities in international cooperation and development assistance
- Working for national and international companies in the expanding business sector of renewable energy
- Leadership positions in the public and private sector
- Become part of a network of excellence on renewable energy management