



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree

Technology
Arts Sciences
TH Köln

Integrated Water Resources Management MENA Region (MSc)

Technische Hochschule Köln (University of Applied Sciences) • Köln



Overview

Degree	Master of Science
In cooperation with	German Jordanian University, School of Natural Resources Engineering and Management
Teaching language	<ul style="list-style-type: none">English
Languages	English (100%)
Programme duration	4 semesters
Beginning	Winter semester
Application deadline	<p>Please check the programme website for current application deadlines. https://www.iwrm-master.info/iwrm-mena/application/</p> <p>(Please consider that different application deadlines are set for scholarship and non-scholarship as well as international and German applicants.)</p>
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No

Description/content	<p>The Integrated Water Resources Management (IWRM) MSc programme focuses on water resources management in the context of water scarcity in the (Middle East and North Africa) MENA region. Within the MSc, IWRM students get acquainted with water management related topics from an interdisciplinary perspective. They acquire the knowledge to learn different water-related disciplines and subjects such as water security, hydrology, water infrastructure, urban water management, watershed management, flood and drought risk management, water system analysis, water governance, social-economical aspects and others.</p> <p>The programme trains participants in practices of project funding and international cooperation. Students get the chance to put their learned knowledge in action during three project modules. Up-to-date concepts and solutions are presented during field visits to relevant projects,</p>
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institutions, and conferences.

Throughout their studies, participants receive first-hand support from high-level professionals and entrepreneurs from the MENA region and German water sectors.

The social component is equally important and aims at equipping participants with the communicative, intercultural, and managerial skills necessary to take up leadership positions in the water sector and to work effectively within the framework of international cooperation.

The Master's thesis is completed in the framework of a water-related research project of the Institute for Technology and Resources Management in the Tropics and Subtropics (ITT), German Jordanian University (GJU) or with a partner institution from the MENA region.

Course Details

Course organisation	<p>The first and second semesters are held in Cologne.</p> <p>The third semester is held at the German Jordanian University in Madaba/Amman (obligatory semester exchange).</p> <p>The Master's thesis in the fourth semester has a thematic focus on the MENA region. It is jointly supervised by both university partners. It includes a field research stay abroad in the MENA region.</p> <p>The IWRM Master's programme starts in the winter semester of each academic year. During the first three semesters, students attend lectures and seminars. The fourth semester is devoted to writing the Master's thesis, normally in conjunction with a period abroad. The standard period of study includes the examination and research semester.</p>
A Diploma supplement will be issued	No
International elements	<ul style="list-style-type: none">• Courses are led with foreign partners• Projects with partners in Germany and abroad• Content-related regional focus
Special promotion / funding of the programme	<ul style="list-style-type: none">• DAAD development-related postgraduate course
Course-specific, integrated German language courses	No
Course-specific, integrated English language courses	No

Costs / Funding

Tuition fees per semester in EUR	None
Semester contribution	<p>Approx. 300 EUR per semester.</p> <p>A semester ticket for public transport for the federal state of North Rhine-Westphalia is included in the semester contribution.</p>

Costs of living

The cost of living for your stay largely depends on your personal needs. When planning your stay, you should calculate monthly costs of approx. 860 to 1,000 EUR.

Funding opportunities within the university

Yes

Description of the above-mentioned funding opportunities within the university

International students are eligible to apply for the "Deutschlandstipendium". The scholarship holders receive approx. 300 EUR per month for the duration of one year.

Requirements / Registration

Academic admission requirements

For admission to the Master's programme IWRM MENA, applicants are required to have successfully completed studies in the field of engineering or natural science (at least a Bachelor's or comparable degree). The following fields of study are eligible: engineering sciences, natural sciences, architecture, agriculture sciences, social sciences, life sciences, and earth sciences.

There is a set of minimum requirements that applicants have to fulfil:

- Bachelor's degree with a minimum grade of 3.0 (according to the German system)
- Proof of a relation to the management of water resources through the previous studies of minimum 15 ECTS
- Proof of English proficiency (see language requirements)

The following application documents are required:

- Letter of motivation (one page in English)
- Curriculum vitae (in tabular form)
- Scientific research proposal for the Master's thesis focusing on a case study from the MENA region (two pages in English)
- Certified copies of academic certificates:
 - Certified copy of school leaving certificate
 - All university end-of-year exam certificates (with individual grades)
 - University diploma or degree certificate indicating the final grade(s)

Language requirements

- Certified proficiency in English - TOEFL iBT 79 points, IELTS Band e First (FCE)
- The English proficiency test should not be older than five years.
- Foreign applicants applying for a DAAD scholarship: Basic German language skills are recommended.

Application deadline

Please check the programme website for current application deadlines.

<https://www.iwrm-master.info/iwrm-mena/application/>

(Please consider that different application deadlines are set for scholarship and non-scholarship as well as international and German applicants.)

Submit application to

If you are a prospective international student, the way to apply is determined by your citizenship, your desired degree programme and your previous academic qualifications.

Further information on how to apply:

<https://www.iwrm-master.info/iwrm-mena/application/>

Services

Possibility of finding part-time employment

Taking on a part-time job while studying has lots of benefits. Students can earn some extra money and gain valuable professional experience, and they might even take a first step up on the career ladder. Gaining a first insight into the German corporate world is especially beneficial for international students.

Many students partially fund their studies at TH Köln by taking on a part-time job in or outside the university.

Accommodation

Being Germany's fourth largest city, Cologne is a highly attractive place to live. The increasing influx of people can make the search for adequate accommodation quite difficult. Dozens of apartment hunters often compete for one single apartment. This is why we strongly recommend that you start looking for a place to live as soon as possible.

Cologne's most convenient and economical housing option is often a student dormitory. A public student services association called "Kölner Studierendenwerk" (KSTW) operates 88 student dorms offering roughly 4,800 rooms. The seemingly large number of dorm rooms is misleading; as the dormitories are open to the roughly 90,000 students enrolled at all Cologne universities, they are in extremely high demand. Please be aware that TH Köln does not allocate the rooms in these dorms. Please apply directly to the KSTW: <https://www.kstw.de/wohnen>. You do not yet need a letter of admission in order to apply.

The fierce competition on the private housing market has resulted in above-market rents – particularly in proximity of the city centre. We therefore encourage you to be flexible. Try to look for apartments outside the centre or share an apartment – and the cost of rent – with other students.

www.th-koeln.de/accommodation

Support for international students and doctoral candidates

- Welcome event
- Cultural and linguistic preparation
- Visa matters



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Amna Omer
MSc Integrated Water
Resources Management
MENA

Studying at ITT was a great opportunity to unleash the power within my mind. It gave me the chance to improve my managerial and technical skills.

Our Partners



ITT's Academic Worldwide Network (CNRD), Research and Alumni Activities

Seven films about the ITT's academic worldwide network, Centers for Natural Resources and Development (CNRD), as well as research and alumni activities

» more:

<https://vimeo.com/user25373346>

– Technische Hochschule Köln (University of Applied Sciences)



Main building, Südstadt Campus, TH Köln

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Technische Hochschule Köln – abbreviated as TH Köln – University of Applied Sciences – sees itself as a university of technology, arts, and sciences. With its disciplinary and cultural diversity and openness, TH Köln's activities are aimed at cultural and technological breakthroughs of high societal relevance. Thus, TH Köln contributes substantially to resolving social challenges. As a community of faculty and students, we see ourselves as a learning organisation forging new paths. For instance, TH Köln is one of the pioneers in the field of development and formation of concepts for higher education didactics.

Our subject range includes the fields of applied natural sciences, architecture and construction, information and communication, computer science, engineering, culture and society, and social sciences as well as business studies. More than 100 degree programmes are

offered as full-time programmes or, in some cases, as career-integrated or part-time programmes. As a place where research-based learning and academic education take place, the university nurtures prospective scholars through cooperative dissertations. Annually, about 6,500 students take up their studies at TH Köln. Overall, 27,000 students from about 120 different countries along with 440 professors and 2,000 staff members apply their potential.

Research mainly focuses on future-related issues, including climate change, energy supply, health, and food safety as well as demographic changes. While developing solution strategies for the most important questions of our time, researchers offer their professional expertise in interdisciplinary interaction. At the same time, they collaborate closely with local, national, and international cooperation partners, including 350 international institutions of higher education. The university offers its researchers an attractive sphere of activity. The quality seal "HR Excellence in Research" awarded by the European Commission certifies that TH Köln meets international standards in the field of human resources development.

TH Köln's campuses are located in Cologne, Gummersbach, and Leverkusen.



University location

Its metropolitan vibe, diverse student scene and a cityscape abounding with cultural and historical treasures make Cologne one of Europe's prime university cities. Cologne's origins date back to the Roman Empire more than 2,000 years ago. Today, Cologne is Germany's fourth largest city with a population of just over one million and has evolved as an economic and cultural metropolis at the heart of Europe. The city's characteristic landmark and source of pride for every inhabitant is without a doubt the magnificent Cologne Cathedral, locally known as the "Kölner Dom". Towering over the quaint Old Town of Cologne at 156 metres, this masterpiece of Gothic architecture is the world's third-highest cathedral and attracts around six million visitors a year, making it Germany's most popular tourist attraction. Visitors from all over the world are bound to feel at home immediately, as Cologne is a true melting pot of cultures. Close to one-fifth of its inhabitants have an international background. Cologne's economy is characterised by its amalgamation of different industries and trades. Home to the country's most influential television and radio stations, Cologne is unquestionably Germany's media capital and host to some of the continent's biggest trade fairs. Quite a few of the world's most renowned enterprises call the metropolitan region their home, in particular, corporations operating in the automobile industry, biotechnology and life sciences, chemicals and pharmaceuticals as well as commerce and banking.

Please note that TH Köln also has two remote campuses outside Cologne, which are located in the towns of Gummersbach and Leverkusen.

Gummersbach is a town with 50,000 inhabitants located 55 km east of Cologne, surrounded by a hilly landscape which is a recreational area for residents from Cologne and other cities nearby. The campus can be reached in a few minutes from Gummersbach train station. A train ride to Cologne, which is the largest city in the region, takes one hour and ten minutes and will be covered by the semester ticket, which is included in the semester fee. Students will be able to find affordable accommodation in Gummersbach and focus on their studies in the great environment of a modern campus.

The Leverkusen campus is located 15 km north of Cologne in the Neue Bahnstadt Opladen and was opened in 2022. It is close to the CHEMPARK in Leverkusen, which is one of the largest chemical parks in Europe. Global players from the chemical and pharmaceutical industry, such as Bayer and LANXESS, are located there. With 160,000 inhabitants, Leverkusen is a smaller industrial city that has plenty of opportunities for relaxation, thanks to its location in the foothills of the Bergisches Land region. In Leverkusen, you can find urban buzz and village-like tranquillity in close proximity. The campus can also be reached with TH Köln's semester ticket.

Contact

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🌐 Course website: <https://www.iwrm-master.info/de/iwrm-mena/>

📘 <https://www.facebook.com/technischehochschulekoeln>

🐦 https://twitter.com/th_koeln

🌐 <https://de.linkedin.com/school/cologne-university-of-applied-sciences/>

📷 https://www.instagram.com/th_koeln/

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Disclaimer

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