

When

Program duration: 2 years

Application period: 15.11 until 15.01

Compulsory Intensive German Language Course:

September

Start of Lectures: October

Where

University of Stuttgart

Stuttgart is a vibrant city, located in the beautiful South-West part of Germany. Numerous companies have their headquarters located in Stuttgart and the city is known for its automobile industry. Due to its thriving industry, the population consists of various cultures. It is an attractive student city offering a high variety of options for leisure.

It is located in a countryside of forests and vineyards. Its vicinity to the Black Forest, the lake Constance and the Alps as well as to Switzerland and France increase the amenity of the location. Due to the surroundings there are many facilities for outdoor sport and recreation.



Foto: Universität Stuttgart/Uli Regenscheit

Contact

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Foto: Institut für Wasser- und Umweltsystemmodellierung



University of Stuttgart
Germany



**Water Resources Engineering
and Management**

**Internationally Oriented Master
of Science Program (M.Sc.)**

WAREM

www.warem.uni-stuttgart.de/en

Foto: Universität Stuttgart/Uli Regenscheit

Why

The increasing societal and political demands worldwide reveal the importance of the water sector and the need for sustainable management of water resources, especially in developing and emerging nations as well as for rapid developing cities. The Master Program WAREM (M.Sc.) is intended for students from these regions and satisfies this need by offering both further qualification to multidisciplinary engineers and scientists as well as international scientific and professional cooperation in the field of Water Resources Engineering and Management. The international concerns regarding climatic, demographic and political influences, constraints and changes are thereby taken into account.



What

Program

- Groundwater Management and Geohydrology
- Hydraulic Engineering and River Basin Management
- Sanitary Engineering and Water Quality Management

Research Facilities

- Waste Water Treatment Plant
- Laboratories for process testing
- Laboratory hall (1.600 m²) for hydraulic engineering
- Largest experimental groundwater contamination facility in the world: VEGAS (700m²)

Laboratories

- Chemical and biological analyses of water and wastewater
- Examination of municipal and hazardous waste
- Experiment with highly combustible substances
- Development of electronic measuring equipment

Equipment

- WAREM CIP Pool with state-of-the-art computing facilities
- Access to powerful Super Computer

Excursions

The program is completed with excursions throughout Europe, giving the students the opportunity to visit various sites, such as hydropower stations, locks, sewage treatment plants and water supply systems.

Double Degree & Exchange

WAREM offers an unique Double Degree Program with Chalmers University of Technology in Gothenborg, Sweden. Students have the chance to study two semesters in Stuttgart and two semesters in Sweden and will be awarded a double degree from both universities. Besides our Double Degree, students are also able to study abroad with one of our Partner Universities in Europe.

German Language Course

A mandatory 6-week Intensive German Language Course is preceding the WAREM program. This course is free of cost for the students. Students should obtain at least A2.1 level during their studies.

Cooperation

The interdisciplinarity of the program is ensured by close cooperation with the following institutes: IWS (Institute for Modelling Hydraulic and Environmental Systems), ISWA (Sanitary Engineering, Water Quality and Solid Waste Management), IGS (Institute of Engineering Geodesy), ILPOE (Institute of Landscape Planning and Ecology) and SimTech (Stuttgart Research Centre for Simulation Technology).

Furthermore WAREM is involved in numerous projects in cooperation with national and international Universities and Research Institutes.

Doctoral Program

There are several Ph.D. Programs relevant for WAREM students such as ENWAT, SimTech as well as GRADUS.

Who

WAREM is the appropriate Master program for Bachelors of

- Civil Engineering
- Water Resources
- Chemical Engineering
- Chemical Process Technology
- Environmental Engineering
- Fluid Mechanic Engineering
- Mechanical Engineering
- Sanitary Engineering
- Soil & Irrigation Engineering

Educational or professional experience in either hydraulics or wastewater, particularly in fluid mechanics are required.

English Requirements

IELTS 6.0
TOEFL iBT 79
PBT 550
CAE C
CPE C

Further information about the application process can be found here: www.warem.uni-stuttgart.de

