MASTER
SMART CITY SOLUTIONS

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Hochschule für Technik Stuttgart

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MASTER
SMART CITY SOLUTIONS
STUTTGART / GERMANY

PROGRAMME

(c) die arge lola, stuttgart / Damian Wagner-Herold

DURATION The programme is offered full-time spanning three semesters (S3). A part-time, five semester (S5) version* is possible for students combining part-time work and studies. The S3 version dedicates 2 semesters to courses, the 3rd semester to master thesis. Teaching takes place on 2 weekdays plus Saturdays and Sundays. The S5 version dedicates 4 semesters to courses, the 5th semester to master thesis. Teaching takes place on 1 weekday plus Saturdays and Sundays. Students who opt for the double degree (M.Eng. MBA) take an additional (full-time) semester of courses after 3rd or 5th semester respectively followed by the master thesis in 4th or 6th semester. *Due to German visa regulations S5 is only available for EU citizens.

THESIS During the programme, students learn to think across smart city sectors. With the master thesis they develop specialist expertise in one field. The master thesis can be hosted by a company allowing the student to make contacts to businesses and/or with potential future employers.

INTERNATIONAL

Partnership between Liverpool John Moores University (LJMU), UK and Stuttgart University of Applied Sciences offers students the option of the double degree M.Eng. MBA as a supplement to the Smart City Solutions Master Programme. The option requires an additional tuition fee which is subjected to LJMU's pricing scheme.

**MASTER
SMART CITY SOLUTIONS**
HFT STUTTGART

DEGREE
MASTER OF ENGINEERING
(M.Eng.)
Optional MBA (at LJMU Liverpool)

DURATION
3 Semesters (full-time)
5 semesters (part-time)
Medium of instruction: English

APPLICATION DEADLINES
July 15th EU-Applicants
May 15th Non-EU-Applicants

PROGRAMME START
Mid of September/ Beginning
of October

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PROFILE

Smart City is a city vision that has been acknowledged and promoted as a new paradigm around the world for growing cities and declining rural areas. The development and implementation of Smart City strategies requires interdisciplinary knowledge in a variety of fields.

The programme prepares planners, architects, engineers, economists, ecologists, sociologists, entrepreneurs and professionals of related disciplines for outlining development visions and drafting smart city strategies. You will gain insights about universal challenges like climate change, provision of housing, urban decline, limited planetary resources and others. SCS covers eight key aspects of smart city solutions and processes: basics of smart solutions, smart urbanism, smart buildings, smart information modelling, smart energy and mobility, smart resources and resilience, smart sustainable finance and smart governance, citizens and management. You will learn how to manage these challenges with and without data-based decision support tools.

CAREER PROSPECTS

(c) die arge lola, stuttgart

Students will become interdisciplinary experts in the field of smart city planning with cross-sectoral knowledge of disciplines like water, energy, mobility and IT- and data-based solutions. Students will be prepared to enter a new career level or move to management positions in the emerging smart city job-market: both in national and international municipalities, institutes, consultancies and offices.