MASTER
SMART CITY SOLUTIONS

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www.hft-stuttgart.de/smart-city-solutions
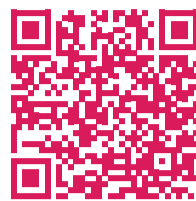scs-master@hft-stuttgart.de

Hochschule für Technik Stuttgart

www.hft-stuttgart.com/architecture-and-design/master-smart-city-solutions

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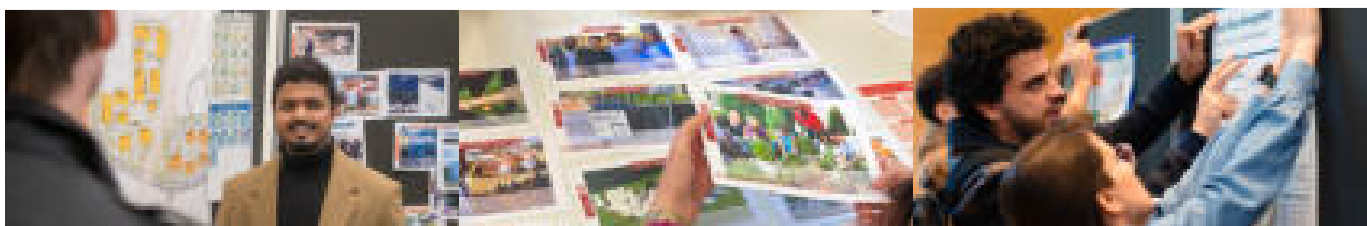# STUTTGART / GERMANY

PROGRAMME

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. *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.

LEARNING BY DOING

The unique feature of the programme is the case study. During this two-semester course you will draft and conceptualize a smart city strategy for a city or an urban development guided by your lecturers. Exchange with professionals from the case study will expose your ideas to frequent reality checks. Past case studies were hosted by the City of Ludwigsburg, Siemens, the City of Ulm and EnBW.

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HFT STUTTGART

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

ADDRESS
Hochschule für Technik Stuttgart
Schellingstraße 24
70174 Stuttgart
Germany

DEGREE
MASTER OF ENGINEERING
(M.Eng.)

PROGRAMME START
Mid of September

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

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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

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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.