

DIGITAL TWINS FOR CITIES



Program fees:

3,750 €

10 % discount for TUM alumni, 10% discount for customers or employees of cooperation partners

Content

The Digital Twins of a city are a virtual image of buildings, streets and entire urban districts and their environment. They serve as the basis for decision-making with regard to sustainability, safety and quality of life. A multitude of data from a wide variety of sources complements the Digital Twins to form a valuable planning instrument that can provide up-to-date information and forecasts at any time. The cross-subject and cross-faculty approach is unique to this program:

Digital City
Modelling
(CityGML)

Digital Building
Information and
Modelling (BIM)

Application
(Mobility, Environ-
ment and Housing)

Target Group

- ▶ Executives and project managers working in town planning and architecture
- ▶ Employees responsible for planning at communal institutions
- ▶ Experts within the fields of Smart City, measurement and geoinformation

Requirements for entry

Relevant work experience of at least 2 years and ideally a higher education degree or a degree from a University of Applied Sciences.

Why the Digital Twins Certificate?

The course imparts expert knowledge on the individual subjects of Digital City Modeling, Digital Building Information and Modelling and the Applications. Above all, the certificate focuses on their connections and interactions in the real world. With the help of these findings, experts from respective areas enable the participants to implement innovative solutions in urban, traffic and landscape planning.

Academic Directors

Prof. Dr. rer. nat. Thomas H. Kolbe
Chair of Geoinformatics

Prof. Dr.-Ing. Frank Petzold
Chair of Architectural Informatics

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Contact and further information



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About the TUM Institute for LifeLong Learning

The TUM Institute for LifeLong Learning supports international experts and leaders from science, business and society to meet the challenges of the 21st century.

Therefore, the Institute offers innovative continuing education courses and thus facilitates scientifically-based and technology-supported professional and leadership development.