

“ARCHITECTURE & URBAN PLANNING” AT THE UNIVERSITY OF STUTTGART

Of all the arts, architecture and urban planning are the most public. Urban planners and architects have the complex and responsible task of designing a built environment that combines beauty and diversity to ensure a livable future. They respond to economic, social, ecological, and technical changes, developing climate-friendly visions and plans for the future. They carefully assess the existing infrastructure and identify solutions that are compatible with all parameters.

The creative design process is at the heart of this study program. Students are taught a wide range of subjects: construction, urban design and planning, presentation and design, the principles of building technology, the history and theory of architecture and planning, and the social and economic principles.



IBK, TESTFELD: "Stuttgarter Schirme"
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THE FACULTY

The study of architecture in Stuttgart dates back to the 19th century. In the early 20th century the “Stuttgart School” set new standards in both innovative and traditional construction. After the Faculty was re-established in 1946, this heritage was revived and adapted to explore and pursue modern developments in architecture.

Stuttgart has one of the largest and most prestigious faculties of architecture in Germany with 16 institutes, lead by prominent experts in their field, supported by a broad-based team of academics, teaching staff, visiting lecturers and guests. The Faculty offers its students a broad curriculum distinguished by the unique combination of architecture and urban planning.

FACILITIES

From day one, students work in small groups under the close supervision of experienced architects. This form of study perfectly complements the teaching provided in lectures, seminars and requires students to play an active role in projects.

All students are free to use:

- o The Faculty library, which has an extensive collection of journals and current literature.
- o The “Casino IT” computer pool with fully equipped computer workstations, lending facilities, training and tutorials, experimental lab, virtual reality system, acoustic simulation and plot service.
- o The Faculty workshops for analogue and digital construction of architectural models, wood and metal construction, sculpture and photography and the “RoboLab” for producing computer-generated prototypes and material systems.



IBK, TESTFELD: "Stuttgarter Schirme"
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STUDY PROGRAM

The architecture and urban planning study program generally leads to a Master's degree. This allows students to continue their studies within the framework of doctoral research. It also qualifies graduates for admission to the Chamber of German Architects, an essential requirement to practice as an architect or urban planner. Students aspiring to a career as an independent architect or urban planner must apply to the master's program. A faculty commission will determine if the applicant has the necessary subject-specific qualifications on the basis of the application documents.

The final element of the master's program consists of the master's thesis, which is generally completed in the fourth semester. In their master's thesis, students must demonstrate their ability to provide solutions within a creative design process. The basis for this will be broad-based discussion of aesthetic concepts, technical innovation and the significance of ecological and economic issues and will be laid during the first three semesters in projects and seminars to be selected by the students themselves. Students are also required to carry out one project and take one seminar in a field which has relevance to that of their master's thesis.

Applicants to the master's program must have a bachelor's degree from a university or institute of higher education. Experience abroad is also desirable; this is expressly promoted through the Bachelor [International+] at the Faculty of Architecture and Urban Planning in Stuttgart. Decisions on admissions to the bachelor's degree program will be taken by a faculty commission on the basis of the application. The first two years consist largely of lectures and exercises which will give students a sound basis for subsequent semesters. Through initial design projects, students will also begin to develop skills for solving complex problems. The third year focuses primarily on independent, project-based study. At this comparatively early stage, students can pursue lines of study that match their interests and skills, which they can reflect in their choice of subject for the bachelor's dissertation.

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ARCHITECTURE & URBAN PLANNING 26-27



HYBRID-FLACHS PAVILLON
State Garden Show in Wangen im Allgäu, 2024.

The Hybrid Flax Pavilion constitutes a central exhibition building on the grounds of the Landesgartenschau, located on the winding banks of the recently revitalised Argen River. The pavilion showcases a novel wood-natural-fibre hybrid construction system developed by the Cluster of Excellence "Integrative Computational Design and Construction for Architecture" (IntCDC) at the University of Stuttgart, as an alternative to conventional building methods. The unique hybrid system combines thin cross-laminated timber with robotically wound flax fibre bodies to create a novel, resource-efficient building structure made from regional, bio-based materials with a distinct local connection. Flax was historically processed in the local textile industry, whose old spinning mill was renovated as part of the Landesgartenschau. The pavilion's gently undulating roof, together with its circular floor plan and centrally located climate garden, creates an exhibition space that seamlessly integrates into the surrounding landscape. The geothermally activatable floor slab made of recycled concrete provides year-round comfortable use of the permanent building.



ICD / ITKE, Flax Pavillion 2024,
© Roland Halbe

INTERNATIONAL

Prospects in the occupational field of architecture and urban planning are increasingly characterized by the evidence of international and intercultural competences. The Faculty actively encourages students to spend a semester at one of over 100 partner universities abroad. This can be incorporated into the student's individual course of study. Moreover, the faculty awards the certificate Bachelor [International+] in addition to the Bachelor's certificate to students who have conducted a design studio in the international context and studied or worked abroad during their studies.

URBAN PLANNING SPECIALIZATION

Students can select urban design/planning as their area of specialization within the master's program, if they wish to pursue a career in that field. This specialization is a prerequisite for inclusion in the official register of urban planners of the Chamber of Architects.

ITECH M.Sc. "INTEGRATIVE TECHNOLOGIES AND ARCHITECTURAL DESIGN RESEARCH"

The ITECH master program (M.Sc.) focuses on the science and research on new design methods and technologies. It is intended for architects, engineers and scientists (B.Sc.) who wish to work in a multidisciplinary international research environment.

IUSD M.Sc. "INTEGRATED URBANISM AND SUSTAINABLE DESIGN"

The IUSD master program (M.Sc.) enables students to specialize in international urban planning. It seeks to train experts and decision-makers who will be engaged in developing holistic solutions for the ecological, cultural and social problems caused by the rapid urbanization processes and social transformations globally.

IREM M.Sc. "INDUSTRIAL REAL ESTATE MANAGEMENT"

The IREM master program (M.Sc.) is a four-semester postgraduate master's program. It tackles the complex planning and building challenges associated with the operation and commercial use of industrial and healthcare real estate. It is designed to meet the needs of graduates of construction-related study programs who have already gained some experience in their fields and will prepare them for leadership roles in an international environment.

HREM M.Sc. "HEALTHCARE REAL ESTATE MANAGEMENT"

The HREM master program (M.Sc.) is the ideal platform for exploring the complexity and manifold facets of healthcare real estate, notably functional, technical and practical aspects. The teaching staff are renowned experts in their disciplines, also giving students insight into the practical application of the course content.

RESEARCH

The Faculty of Architecture and Urban Planning in Stuttgart has a long-standing research tradition. Building on fundamental research in architectural and urban history, current research addresses the structures and manifestations of societies, urban and natural environments and how they interact frequently in the context of interdisciplinary and international collaboration. Master's graduates can acquire doctoral degrees in Engineering Sciences (Dr.-Ing.) or in Philosophy (Dr.-Phil.).

For any further information and key dates please visit our website: www.f01.uni-stuttgart.de/en

INSTITUTES

IFAG Institute of Architectural History
www.ifag.uni-stuttgart.de
Prof. Dr.-Ing. habil. Christiane Weber

IBK Institute of Building Construction, Sustainability, Construction and Design
www.ibk.uni-stuttgart.de/ibk
Prof. Dipl.-Ing. Jens Ludloff

Chair Innovation in Timber Construction
Visiting Professor Dipl.-Ing. Simon Jüttner

IBK Institute of Building Construction, Building Technology and Design
www.ibk.uni-stuttgart.de/ibk2
Prof. Dipl.-Ing. Martin Ostermann

BAUOEK Institute of Construction Economics
www.bauoek.uni-stuttgart.de
Prof. Dr.-Ing. Christian Stoy

IBBTE Institute of Building Materials, Building Physics, Building Systems and Design
www.ibbte.uni-stuttgart.de

Chair of Integrative Building Systems and Computer-Based Building Technology
Prof. Dr. habil. Doris Österreicher

Chair of Climate-Responsive Construction and Design
Prof. Dipl.-Arch. ETH Annika Seifert

ICD Institute for Computational Design and Construction
www.icd.uni-stuttgart.de
Prof. AA Dipl. (Hons.) Achim Menges

Department for Computing in Architecture
www.icd.uni-stuttgart.de
Tenure-Track Prof. Dipl.-Ing. Thomas Wortmann

IDG Institute of Arts
www.idg.uni-stuttgart.de
Prof. Sybil Kohl

IEK Institute of Industrial Buildings, Design and Construction
www.iek.uni-stuttgart.de
Prof. Dipl.-Ing. Martina Bauer

IGMA Institute of Principles of Modern Architecture (Design and theory)
www.igma.uni-stuttgart.de
Prof. Dr. phil. Stephan Trübny

IRGE Institute of Spatial Conception and Principles of Design
www.irge.uni-stuttgart.de
Prof. Dipl.-Ing. Adrien Verschuere

IRGE-GEN Chair Building Theory and Design
www.irge.uni-stuttgart.de/gen
Prof. Sonja Nagel

ILPÖ Institute of Landscaping, Planning and Ecology
www.ilpoe.uni-stuttgart.de
Prof. Dr. Leonie Fischer

IÖB Institute of Public Buildings and Design
www.ioeb.uni-stuttgart.de
Prof. Dipl.-Ing. Alexander Schwarz

ITKE Institute of Building Structures and Structural Design
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Prof. Dr.-Ing. Jan Knippers

Chair Innovation in Timber Construction
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Visiting Professor Jana Nowak M.Sc.

IWE Institute of Housing and Design
www.iwe.uni-stuttgart.de
Prof. Piero Bruno

Chair Sociology of Architecture and Housing
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Prof. Dr. habil. Christine Hannemann

SI Institute of Urban Planning and Design
www.si.uni-stuttgart.de

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Prof. Dr.-Ing. Martina Baum

SI-IU Department International Urbanism and Design
www.international-urbanism.de
Prof. Dr.-Ing. Astrid Ley

SI-FE Department Landscape Architecture and Design
www.stadtlandstudio.net
Prof. Dipl.-Ing. Ulrike Böhm

SI-TMS Department Planning Theory and Practice
www.si.uni-stuttgart.de/tms
Prof. Dr. Laura Calbet Elias

CO-OPTED OF FACULTY 02:

IREUS Institute of Spatial and Regional Planning
www.ireus.uni-stuttgart.de
Prof. Dr.-Ing. habil. Jörn Birkmann

ILEK Institute of Lightweight Structures and Conceptual Design
www.ilek.uni-stuttgart.de
Prof. Dr.-Ing. M.Arch. Lucio Blandini