

Faculty 1 Architecture • Civil Engineering • Geomatics

Our degree courses in the planning of our built environment, encompassing all phases from design to implementation, come with a tradition of more than one hundred years at Campus Nibelungenplatz. In the year 1908, the Royal Baugewerkschule with its departments of civil engineering was founded in Frankfurt. The Staatsbauschule was formed in 1931 and finally the Fachhochschule Frankfurt am Main emerged from it 40 years later. On July 1, 2014, the name “Fachhochschule Frankfurt am Main” was changed to “Frankfurt University of Applied Sciences”.

The Faculty 1 (Fb 1) offers five Bachelor and nine Master degree courses with the main focus on Architecture, Civil Engineering and Geomatics. 58 professors and additional lecturers from the areas and contexts of economy, industry and administration educate over 2700 students and are supported by more than 50 employees in laboratories and administration.

Our strength lies in a broad undergraduate education in the Bachelor programs and a differentiated professional specialization with high practical relevance in the Master programs. Personal contact between professors and students, small study groups and individual support offer the best conditions for high-quality and successful studies. We would be glad to welcome you personally to our faculty.

Our Bachelor and Master programs

Bachelor programs

- Architecture (B.A.)
- Civil Engineering (B.Eng.)
- Civil Engineering dual (B.Eng.)
- Geomatics and Public Works (B.Eng.)
- Geomatics and Public Works dual (B.Eng.)

Master programs

- Architecture (M.A.)
- Architecture, Barrier Free Systems (M.Sc.)
- Geomatics and Public Works (M.Eng.)
- Infrastructural Management (M.Eng.)
- Structural Engineering/Construction Management (M.Eng.)
- Environmental Management & Urban Planning in Metropolitan Areas (M.Eng.)
- Urban Agglomerations (M.Sc.)
- Sustainable Structures (M.Eng.)

Further information can be found on
www.frankfurt-university.de/fb1



Contact

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Application

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Approach

www.frankfurt-university.de/lageplan

Information on Faculty 1:

www.frankfurt-university.de/fb1

Information study program

www.frankfurt-university.de/adv-arch

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„Reworking the Reconstruction Era in Berlin“, edited by W. Jung, H.J. Schmitz,
W. Brenne, F. Jaschke and S. Heßling, Frankfurt am Main 2013 - cover of the booklet

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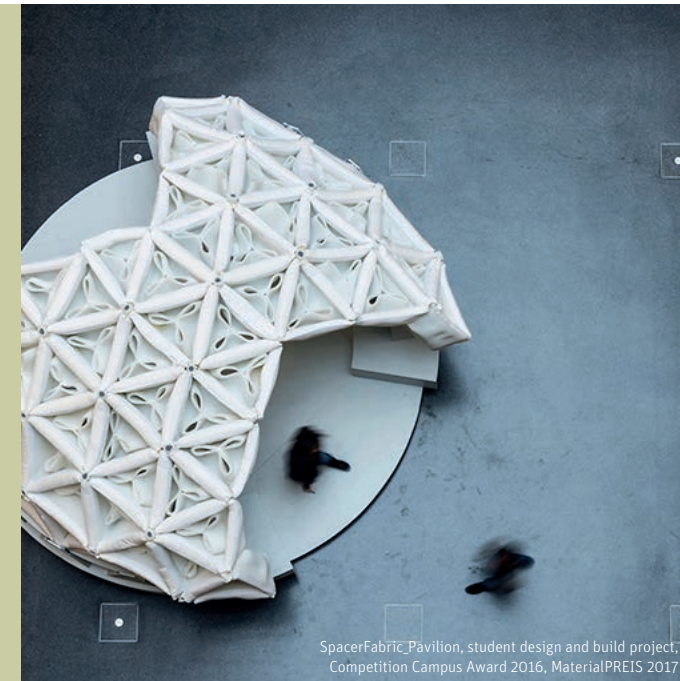
Wissen durch Praxis stärkt Frankfurt University of Applied Sciences

The University of Applied Sciences is the center of excellence for applied research in the region: In dialog and close cooperation with our partners in business, associations and institutions, we perceive ourselves to be an innovative partner: working together to develop and generate innovative and new solutions.

Offering a universe of opportunities, we are the university for opportunities: This is because we are an institution which is “open” in every sense of the word. We are a powerful engine for integration in the region. We promote the development of potentials and pave the path of education with qualified academic training, thereby contributing significantly to the development and future sustainability of the city and metropolitan region FrankfurtRheinMain.

With our particular strengths, we have positioned ourselves competitively in the market. We offer a hands-on, multifaceted application-oriented range of studies and challenging, interdisciplinary research with unusual combinations of expertise and with a decidedly international profile. All of this in the center of one of the liveliest cities in Germany, an ideal location for our students, graduates and partners. The Campus Nibelungenplatz in Frankfurt is located in the heart of the FrankfurtRheinMain metropolitan region.

Frankfurt University of Applied Sciences - interdisciplinary, international, integrative and innovative.



SpacerFabric Pavilion, student design and build project, Competition Campus Award 2016, MaterialPREIS 2017

Advanced Architecture - from Urban Design to Building Construction

Master of Science

Faculty 1
Architecture • Civil Engineering • Geomatics

Wissen durch Praxis stärkt

Profile

The full-time English Master's degree course "Advanced Architecture - from Urban Design to Building Construction" takes four semesters and operates in close conjunction with the existing German Master's degree course „Architecture“. During their two years of study, students will acquire 120 ECTS credits and be awarded the academic degree of Master of Science (M.Sc.).

The degree course addresses graduates with a first academic degree in architecture from European and Non-European countries who want to focus on architecture in an international context. Frankfurt University of Applied Sciences together with the Frankfurt Research Institute (Frankfurter Forschungsinstitut FFin) and a specific architectural trainee program called TRAX offer special on-site opportunities. Students can get involved in ongoing research projects in order to learn and develop profound scientific work through application-oriented research in the field design and construction, or accompany the actual implementation of concepts into practice.

The study program complies with the UIA standards (Union of International Architects). It has passed the European Commission's notification procedure and provides a prerequisite for entry into the German Chamber of Architects.

Course structure

Semester 4	Master's thesis with colloquium 30 ECTS				
Semester 3	Specialization project 10 ECTS		Existing Contexts - Design and Construction 10 ECTS	Elective 5 ECTS	Elective 5 ECTS
Semester 2	Lecture series construction 5 ECTS	International design project 5 ECTS	New Buildings - Design and Construction 10 ECTS	Elective 5 ECTS	Elective 5 ECTS
Semester 1	Lecture series design 5 ECTS	Impromptu designs 5 ECTS	Urban Contexts - Design and Construction 10 ECTS	International design and build project 10 ECTS	

Students gain broad knowledge of design and construction through a combination of lecture series and modules that discuss design and construction in the areas of urban design, design of buildings in existing contexts, and design of new buildings and built environments. This is accompanied by internationally oriented projects and numerous elective modules. Through a specialization project and the elective modules, students are able to focus on individual interests, which may then become the focus of their master's thesis. Moreover, 30 ECTS can be chosen from the German master's degree course "Architecture", if students have the necessary German language skills.

By intensively studying several contexts from a global, diversity-oriented and multicultural point of view, students develop an ability to independently translate abstract designs into concrete implementations of material and construction. They are able to combine professional, practical, technical, economic, ecological and social aspects while taking the respective cultural, historical and climatic situations into consideration at the same time. In the fourth semester, students write their master's thesis and take part in their final colloquium.

The modules complement each other and are linked to one another (for example through combined projects, excursions, lectures, conferences and e-learning). The integrated, international structure of the degree course offers the chance of a unique study experience in the future-oriented metropolitan city of Frankfurt.

Application

Admission to the English language master's degree course „Advanced Architecture“ is granted to applicants with a bachelor's degree in architecture with 180 ECTS, which was completed with a grade at least corresponding to the grade of 2,3, as calculated applying the German grading system. Applicants will have to submit a portfolio and a letter of motivation and provide proof of a four months-long internship in architecture-relevant areas. English language skills should be at least at a level of TOEFL iBT 79, IELTS 6 or Cambridge First Certificate (A), corresponding to the level GER B2. If the teaching language in an applicant's bachelor's degree was English, the applicant's English language skills are accepted as appropriate.

The program only accepts students for the summer semester. Applicants with a first degree from a foreign country must submit their application by October 15, of the year before. The application deadline for applicants with a German bachelor's degree is March 1, of the same year.

Context of the program

The study program concentrates on the combination of design and construction. Furthermore, „Advanced Architecture“ means designing and constructing on all scales, from urban contexts to the one-to-one detail. Advanced, future-oriented concepts are developed and dealt with in study projects, in office internships, with the FFin, as well as in close collaboration with our cooperation partners from the construction sector.

Graduates will be able to work in particular on the interface between abstract designs and concrete implementations. This means a focus on the planning phase, referred to in the German fee schedule as „execution planning“, with strong feedback on the design process and in close connection with current developments of scientific research in design and construction.

Relevant occupational fields of graduates are in architectural, engineering and construction companies, the construction industry, property development and housing associations, real estate companies, the public sector and research and technological development of design and construction.

