

Mission Statement

The **Msc. Integrated Urbanism and Sustainable Design** aims to train a new generation of experts and decision-makers to face the tremendous environmental, cultural and social challenges resulting from the rapid urbanisation and ongoing societal transformation currently taking place in the Middle East and North Africa. Students will be equipped with the skills to develop integrated, trans-disciplinary solutions, which combine ecology-oriented engineering with a social approach to the design of landscapes and buildings, urban planning and urban management.

The programme will provide access to a wide range of advanced expertise in the fields of participatory planning and building, energy-efficient construction, urban management and governance.

Partner Universities: Stuttgart University and Ain Shams University, Cairo

The Masters Programme is hosted by Stuttgart University in collaboration with Ain Shams University Cairo. The two universities enjoy a long-standing and successful academic collaboration and a number of joint research

activities. The first and second semesters are taught in Stuttgart and the third and fourth semesters in Cairo in partnership with Ain Shams University and external partners leading in the development sector.

Funding Bodies

The Masters Programme is part of the German Academic Exchange Service (DAAD) «Anchor Country Programme» funded by the DAAD with resources from the Federal Ministry for Economic Cooperation and Development (BMZ), the Federal Ministry of Education and Research (BMBF) and the Egyptian Ministry of Higher Education (MoHE).

External partners

The programme is also supported by a range of high-profile German, Egyptian and international organisations operating in the MENA region including GIZ (German International Cooperation) and CEDARE (Centre for Environment and Development for the Arab Region and Europe). The partnership with these external partners offers numerous opportunities to test and develop trained skills in challenging applied contexts.

Application

Who can apply?

Applications are open to participants from Germany, Egypt and the MENA countries Algeria, Iraq, Jordan, Lebanon, Morocco, Palestine, Syria, Tunisia and Yemen.

Applicants need to have an internationally recognised Bachelor degree (minimum three years) or equivalent in Architecture, Urban Planning, Landscape Architecture, Regional Planning or Civil Engineering. Students with a Bachelor degree in Geography, Sociology and Cultural Studies, Political Science or Economics will also be considered but should be able to provide proof of relevant professional experience in fields related to architecture, urban and development planning or infrastructure design.

The Masters programme strongly encourages applications from young professionals working in public institutions, private sector or civil society initiatives in Egypt, the Arab-speaking Middle East and North Africa region (MENA countries) or Germany.

How to apply?

For required application documents, submission deadlines and interview dates consult our website. www.iusd.uni-stuttgart.de

Contact Stuttgart

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Contact Cairo

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MSc Integrated Urbanism & Sustainable Design (IUSD)

A cooperation between the University of Stuttgart and Ain Shams University Cairo

www.iusd.uni-stuttgart.de



DAAD Scholarship Programme

IUSD is supported by DAAD through

- Providing up to 30 study grants to applicants from Germany, Egypt and MENA countries
- Extracurricular workshops and summer schools in Germany and Egypt open to IUSD students
- Installation of state-of-the-art CAD and GIS equipment and video conferencing facilities to benefit students of IUSD at Stuttgart University and Ain Shams University
- Travel grants and staff mobility between Stuttgart and Cairo to ensure close cooperation of both universities throughout the Masters Programme

The DAAD offers study grants for up to 10 Egyptian students and up to 10 other students from Arab countries of the MENA region, covering the entire duration of the course (including travel costs and German courses). Up to 10 participants from Germany will receive grants for the study period in Egypt and for travel costs to Egypt (including Arabic courses). Students apply to the scholarship programme as part of their application to the course. For more information regarding the programme and application, please visit the programme website: www.daad.de/anchor

Curriculum

The four-semester Masters Programme will be partly taught in Stuttgart (semesters one and two) and Ain Shams University Cairo (semesters three and four). The course language is English. Should security concerns pose an obstacle to study in Cairo in the 3rd and 4th semesters, students will be offered an alternative study programme for the second year with equally challenging applied training.

Course Structure

1st Semester	2nd Semester	3rd Semester	4th Semester
Core Modules	Core Modules	Electives	Masters Thesis
	Electives		
Electives	Integrated Research and Design Moduls (Design Projects and Tools)	Integrated Research and Design Moduls (Integrated Case Study)	Masters Thesis
Integrated Research and Design Moduls (Design Projects and Tools)			
Stuttgart	Stuttgart	Cairo	Cairo

Modules

Core Modules

Sustainable Architecture

Basic principles of environmental architecture, including energy conservation, reduction of embodied energy of buildings and recycling, or the integration of renewable energy sources into architecture. The module is based upon the assumption that «green» architecture is not only a matter of technology-based solutions but of an intelligent integration of complex factors including social, economic and context-specific issues.

Urban Policy, Planning and Sustainable Urban Management

The module introduces basic notions of urban policy, urban planning, participation in planning and urban management. Students will be equipped with theoretical and practical skills to comprehend complex urban problems and develop conceptual and practical solutions towards environmentally sustainable and socially just cities in Europe and the global South.

Ecosystem Design and Integrated Infrastructure Planning

Introduction to the basic principles of landscape ecological theory applied to urban environments and the basic principles of infrastructure systems which shape the urban environment. The module will give an overview on current environmental challenges related to the urban environment and explain the effects of infrastructure development on landscape structure and function.

Electives

The universities offer a wider range of elective modules relating to themes of Sustainable Architecture, Sustainable Urbanism and Sustainable Infrastructure.

Integrated Research and Design Modules

Students will acquire techniques for mapmaking, spatial analyses and visualisation and apply these skills to design projects in Germany (semesters one and two) and the third semester «Integrated Case Study» which will be offered in partnership with development agencies and will be closely linked to ongoing development projects in Egypt.

Masters Thesis

Students are required to submit a thesis on a topic of their choice. The programme encourages theses that will be developed in close cooperation with development agencies in Germany, Egypt or other MENA countries and that bridges academic and professional concerns.