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Master Integrated Design (MID) • OWL University of Applied Sciences and Arts • Detmold........ 2
Master's degree

**Master Integrated Design (MID)**

**OWL University of Applied Sciences and Arts • Detmold**

**Overview**

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<th>Degree</th>
<th>Master of Engineering (MEng)</th>
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<tr>
<td>Course location</td>
<td>Detmold</td>
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<tr>
<td>Teaching language</td>
<td>English</td>
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<tr>
<td>Languages</td>
<td>Courses are held in English (100%).</td>
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<td>Programme duration</td>
<td>4 semesters</td>
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<tr>
<td>Beginning</td>
<td>Winter semester</td>
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<td>Application deadline</td>
<td>31 March each year for both non-EU and EU applicants</td>
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<td>Tuition fees per semester in EUR</td>
<td>None</td>
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<td>Combined Master’s degree / PhD programme</td>
<td>No</td>
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<td>Joint degree / double degree programme</td>
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**Description/content**

Globalisation in general and the construction industry in particular have brought about new demands on buildings and construction projects. These new demands also take local conditions into account. Planning is also changing in line with the new requirements. Moreover, digital technology has also brought lasting changes to architecture, from the planning and production stage right through to execution, and job profiles are accordingly getting more sophisticated. Thus, the Master's programme places a particular emphasis on theoretical and practice-oriented skills of digital analysis, design, planning, and production methods as well as the traditional design and planning methods. It also gives a detailed overview of the latest technological developments.

Additionally, the programme includes operative aspects of information technology, new developments in building materials, and scientific work in architectural education. The programme also includes interaction/cooperation with external partners and international networks. It focuses on qualifying architects and engineers for interdisciplinary, international, and, to a growing extent, digitally supported jobs. We attach special importance to our cooperation between university and external partners, such as links to other universities, planning offices, the construction industry, and software manufacturers.

The standard study period is four semesters. The specialisations Façade Design and Computational Design are only taught in English.

The specialisation Façade Design provides an extensive overview. It also provides the scientific
foundations of the field of façade planning and consulting. Façade planning is indisputably high on the list of the most demanding and versatile professional specialisations. Here, legal, physical, material-technology, structural design, and, in particular, architectural and aesthetic issues converge.

The specialisation Computational Design focuses on digital design methods and construction technologies in architecture, engineering, and design. The curriculum provides a scientific and practical foundation and gives an overview of the latest developments in computational design and construction.

Course Details

Course organisation

First Semester:

- Tools and Methods 1
- Construction and Dimensioning

Specialisation Façade Design:

- Climate and Comfort
- Project Façade Design

Specialisation Computational Design:

- Programming and Simulation
- Project Computational Design

Second Semester:

- Tools and Methods 2
- Theory, Research and Scientific Methods

Specialisation Façade Design:

- Planning, Detailing and Production
- Project Integrated Building Façade Design

Specialisation Computational Design:

- Digital Fabrication
- Project Integrated Computational Building Design

Third Semester:

- Conference and Communication
- Elective from catalogue

Specialisation Façade Design:

- Materials, Surfaces and Safety
- Project Contextual Façade Design

Specialisation Computational Design:

- Computational Optimisation
- Project Contextual Computational Design

Fourth Semester:

- Master’s thesis, presentation and colloquium

Compulsory Electives:
Types of assessment

Information on all examinations and the number of credits is available in the Master's examination regulation at:
http://www.th-owl.de/fb1/studium/master-studiengaenge/integrated-design.html

A Diploma supplement will be issued

Yes

International elements

- Study trips
- International comparisons and thematic reference to the international context
- Projects with partners in Germany and abroad

Description of other international elements

- Students are encouraged to study abroad for one semester.
- Domestic and international study trips are organised by the faculty.
- Projects are developed with partners in Germany and abroad.

Costs / Funding

Tuition fees per semester in EUR

None

Semester contribution

Per semester: approx. 304 EUR

In addition to the semester contribution, there are secondary expenses for lectures and courses that are not held on our campus in Detmold. Additional expenses for travelling, accommodation, and living will be incurred during the study programme.

We always try to keep these expenses to a minimum.

Costs of living

Accommodation costs in Detmold need to be taken care of by the student. They vary around 250 to 300 EUR per month. The monthly living expense for students in Germany is approx. 670 EUR in total.

Funding opportunities within the university

Yes

Description of the above-mentioned funding opportunities within the university

The Deutschlandstipendium programme was created in 2011. As part of this programme, the federal government subsidises private donation funds raised by colleges to finance scholarships for talented and academically strong students. The programme was modeled after other programmes, including Studienfonds OWL, which has been granting privately...
funded scholarships on behalf of five colleges in Ostwestfalen-Lippe, North Rhine-Westphalia.

The goal of the Deutschlandstipendium is to grant lasting support to particularly talented, conscientious students nationwide.

More information and details at the following link:
http://www.studienfonds-owl.de/en/scholarships/deutschlandstipendium/

Requirements / Registration

### Academic Admission Requirements

Application requirements for the Master of Integrated Design (MID):

1. University entrance qualification or an equivalent standard (e.g., secondary school graduation certificate)

2. Bachelor’s or diploma degree in a course of study with substantial scientific or engineering content (for example, Architecture, Mechanical Engineering, Architectural Engineering, Interior Design, Product Design, Civil Engineering, Industrial Engineering, Informatics); a focus on building, interior, structural or façade planning and/or design; and a minimum study duration of six semesters (180 credits)

It is recommended that applicants complete a three-month practical training or internship in the professional field of architecture, building, interior, structural and/or façade design or planning.

3. Evidence of the specific, that is, professional and methodological suitability for the Master of Integrated Design (MID) - see the 5th and 6th points

4. Evidence of English proficiency (see below)

5. Portfolio: Applicants must submit a portfolio that includes some of their most important and relevant work related to urban, architectural, building, or façade design and/or construction. Work samples should be submitted according to the following criteria:

   - three work samples from the previous course of study or professional experience, one of which, if possible, is the Bachelor’s or Master’s thesis or comparable final examination
   - two to three smaller work samples which demonstrate additional interests and specialised fields
   - up to two samples can be parts of team projects if the contribution of the applicant is indicated and clearly recognisable (The work samples must be submitted in a DIN A4-sized portfolio in a suitable data format such as a pdf.)
   - a written explanation by the applicant describing the projects and the concepts behind each project (In the case of team work, the applicant should clearly indicate her/his role in the project. The applicant should limit her/his letter to one page!)
   - a written declaration that the applicant has produced the work samples on her or his own

6. Motivation letter and resume: Applicants must submit a motivation letter that should address their background as it relates to the requested specialisation (Façade Design or Computational Design).

### Language requirements

Evidence of English proficiency documented by one of the following tests or certificates, with the indicated minimum score (for those who obtained their university entrance qualification at a non-English speaking institution):

- at least six years of English in school education with a minimum grade "4 - ausreichend" ("satisfactory" in the German grading system) in the last four semesters
- TOEFL paper-based 550
- TOEFL Internet-based (ibt) 79-80
- TOEFL computer-based 213
- TOEIC 750
- IELTS 6.0-6.5
- Cambridge CPE/CAE pass
- proof of an equivalent standard
Application deadline 31 March each year for both non-EU and EU applicants

Submit application to Application for non-European Union students is organised by "uni-assist". Please upload your application: https://www.uni-assist.de

Applications from EU applicants, please mail your application directly to the TH-OWL at:
Technische Hochschule Ostwestfalen-Lippe
Detmolder Schule für Architektur und Innenarchitektur
Emilienstraße 45
32756 Detmold
Germany

Services

Accommodation Accommodation is available through the Student Services Office or on the private market. Information can be found on the Internet at:
https://www.th-owl.de/studium/studienstart/wohnen-in-owl/
or
http://www.th-owl.de/fb1/international.html

Career advisory service Career Service University of Applied Sciences OWL:
https://www.th-owl.de/studium/nach-dem-studium/angebote-des-career-service/

Specific specialist or non-specialist support for international students and doctoral candidates
- Welcome event
- Buddy programme
- Accompanying programme
- Specialist counselling
- Visa matters

Contact

OWL University of Applied Sciences and Arts
Detmold School of Architecture and Interior Architecture

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maryse.niemeier@th-owl.de
Course website: https://www.m-i-a-d.de/mid-master-of-integrated-design/

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