OVERVIEW

Degree
- Master of Engineering (M.Eng.)

Duration
- 4 Semester

Semester start
- Summer semester, 15 March

Admission requirements
- Written admission test
- Application interview
- Please see the study and exam regulations (paragraph 3 “Qualification for Academic Studies”
- Language requirements English: B2
- Language requirements German: A1 must be achieved over the course of studying

Study Location
- Pfarrkirchen; course language: english

APPLICATION

Application period
- 15 November – 15 January

Online application
- In the Primuss portal at www.th-deg.de/en/apply

Notice of acceptance or denial
- in the Primuss portal until mid February

Enrolment
- You will find information on this in the admission notice

STUDY LOCATION

European Campus Rottal-Inn
Max-Breiherr-Strasse 32
84347 Pfarrkirchen
Germany

EUROPEAN CAMPUS ROTTAL-INN

www.th-deg.de/ecri-en

CONTACT

You are interested in the Master course Healthy and Sustainable Buildings and would like to know more about it?

Enquiries about the course

www.th-deg.de/hsb-m-en

General enquiries about studying at DIT

welcome@th-deg.de

www.th-deg.de/en/study-with-us/info-for-internationals

DEGGENDORF INSTITUTE OF TECHNOLOGY

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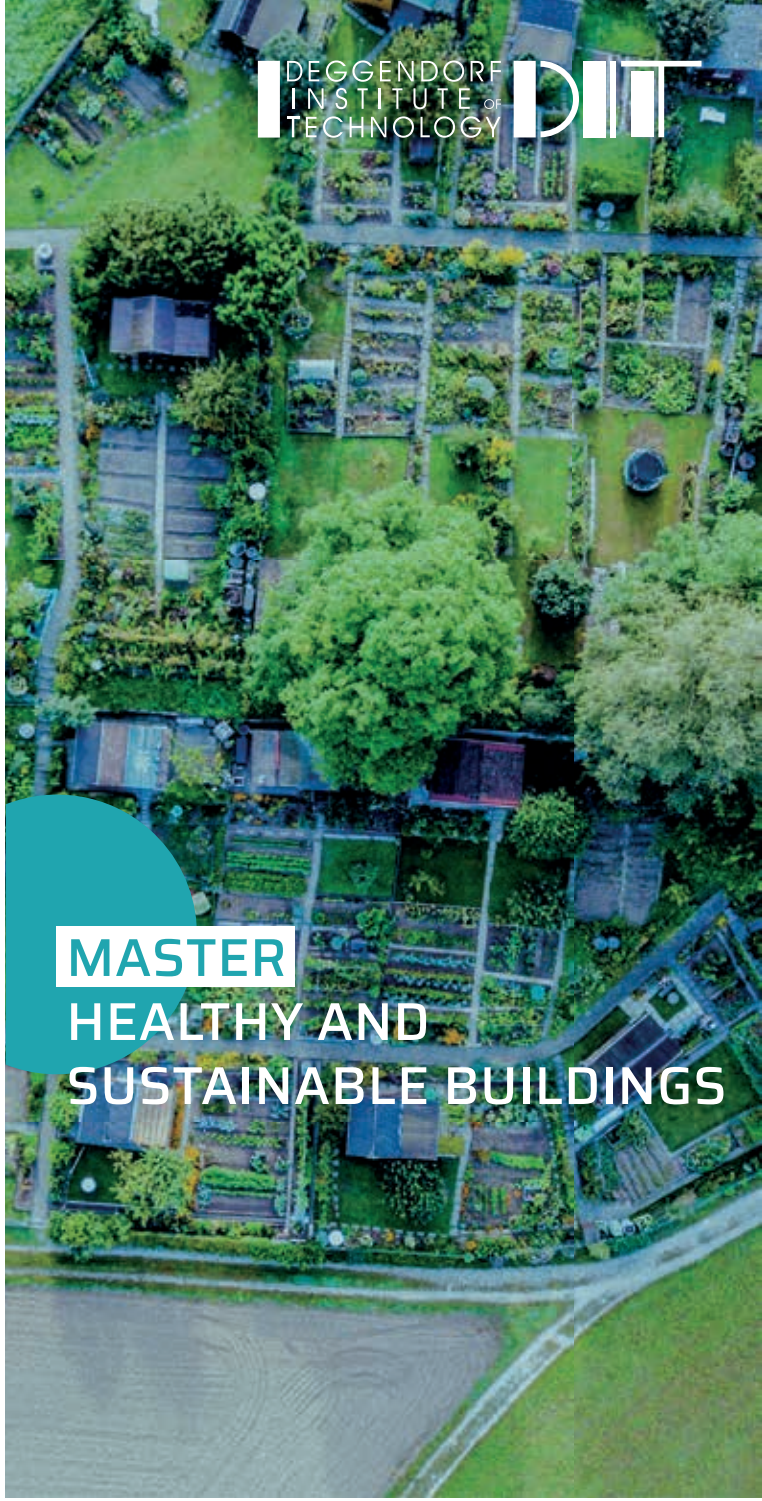
SYSTEM AKKREDITIERT Akkreditierungsrat

MINTernational BEST PERFORMANCE PRIZE

member of EUA European University Association

FAMILIE IN DER HOCHSCHULE

CODE of CONDUCT



DEGGENDORF INSTITUTE OF TECHNOLOGY

MASTER
HEALTHY AND SUSTAINABLE BUILDINGS

DEGREE DESCRIPTION

With this Master's degree you will gain the qualifications and skills for an international career in the future-orientated sector of Healthy and sustainable Buildings.

This postgraduate course qualifies students in methods and technologies in the fields of Healthy and sustainable Buildings, combined with applications in various areas of the construction and real estate industries. It acknowledges and broadens students' existing knowledge from undergraduate courses, such as construction engineering, architecture, technical building equipment, energy-efficient construction or related courses, and professional work experience.

CAREER PERSPECTIVES

Graduates of the Healthy and sustainable Buildings postgraduate-degree are competent specialists in the field of healthy buildings and healthy living conditions, in material selection and product development or selection throughout the construction and interior facilities, and technical planning and construction including renovations and restorations.

Additionally, there are fields of work in the digitization and automation of healthy and sustainable buildings allowing for modern material flow, during the entire life cycle of buildings up to their demolition.

Graduates have career prospects in:

- Planning and design
- Product development
- Building management
- The recycling and restoration branch and the smart home sector

COURSE CONTENT

Semester 1	• Environmental Psychology • Sustainable Buildings & Neighbourhoods • Smart Buildings • Quantitative and Qualitative Research Methods
Semester 2	• Environmental Hygiene & Medicine • Evidenced-based Design I • Standards & Green Building Certification Systems • Building Performance Simulations • Sustainable Energy Supply Systems • Ambient Assisted Working & Living
Semester 3	• International Project Management & Implementation • Building Safety & Security • Evidence-based Design 2 • Refurbishment and Renovation • Evidence Based Design – Consolidation (FWP) • Selected chapters Healthy & Sustainable Buildings & Neighbourhoods (FWP) • Smart Infrastructure & Artificial Intelligence (FWP) • R&D Project (FWP)
Semester 4	• Master's Thesis including presentation

COURSE AIM

The aim of the Healthy and sustainable Building course is to impart the specific skills required for the energy-saving, resource-saving, healthy and modern requirements of an industrial society.

The course is aimed at people who see their future professional activity in the planning and construction of buildings as well as in competent support in their use and operation. Further opportunities arise in the sustainable development and planning of healthy and energy-efficient materials and technologies for sustainable buildings.

Due to the diverse requirements that arise in the field of healthy and sustainable construction, this master's programme is designed for a total of 4 semesters (3 study semesters and 1 semester master's thesis). This ensures that graduates are perfectly prepared for the complex challenges in their working lives.

All lectures will be held in English, thus proficiency in the English language is an essential prerequisite.