

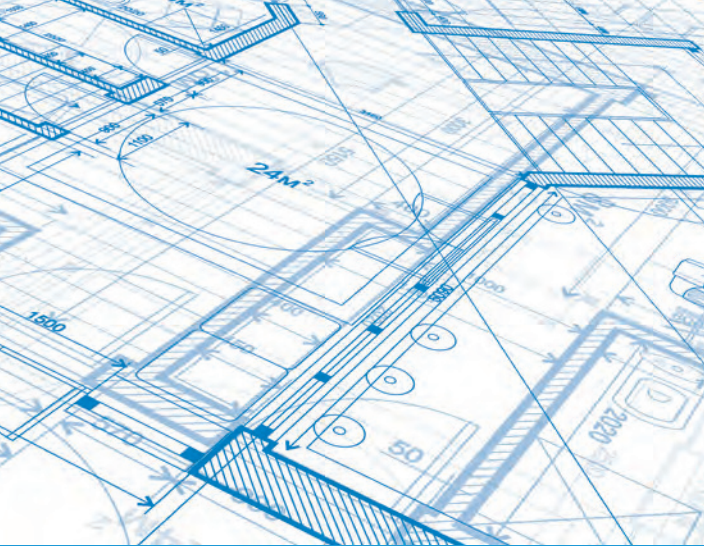
A photograph of a woman with short brown hair, wearing a white button-down shirt, smiling and looking towards the camera. She is standing in front of a window with vertical blinds.

**Build the Future
of Healthcare!**

MSc Healthcare Facilities

TU Wien | Medical University of Vienna

Postgraduate Program, Master of Science (MSc)
4 Semesters, part-time



Integral and sustainable planning and design of Healthcare Facilities!



Univ.Prof.Dr. Christian Kühn
Academic Director TU Wien

»» The dynamics of change in today's healthcare system have massive effects on the architecture of its facilities. This master course prepares its students for successful collaboration in managing the complexity of healthcare-related planning, design and implementation processes. ««

MSc Healthcare Facilities: Interdisciplinary competence for inventing the future

The Healthcare system is confronted with far-reaching social changes that have a major impact on the functionality and structure of healthcare facilities. Healthcare buildings should meet new societal requirements in the future: They have to focus on the patients, be efficient as well as capable of development and offer a good working environment for employees.

The postgraduate program MSc Healthcare Facilities starts right here and trains specialists who can work on a national and international level in order to successfully and sustainably plan, design and restructure healthcare facilities.

The joint university course MSc Healthcare Facilities of MedUni Vienna and TU Wien represents a unique, interdisciplinary further education for experts of different disciplines. The Master's program pursues a holistic approach to the conception, planning, construction, operation and management of healthcare facilities for the benefit of patients and society. A highlight and unique characteristic of the postgraduate course is the cooperation between the fields of architecture and spatial planning, business organisation, medicine and nursing sciences.

Graduates of this program have the tools to become experts in:

- integral planning of healthcare facilities, combining strategic, architectural and financial aspects
- international state-of-the-art practices and healthcare facilities of the future
- commissioning and transition planning for healthcare facilities

TU WIEN

Technology for People – Developing Scientific Excellence and Enhancing Comprehensive Competence

The TU Wien – located in the heart of Europe and Vienna – is the largest Austrian institution in research and education within the areas of technology and natural sciences. Even though the beginnings of TU Wien reach back more than 200 years research, teaching, and learning are state-of-the-art. The Faculty of Architecture and Spatial Planning is one of the largest in Europe with around 8000 Students.

MEDICAL UNIVERSITY OF VIENNA

We shape the future – doing everything to support health

The Medical University of Vienna (MedUni Vienna) is one of the most traditional medical education and research facilities in Europe. With almost 8,000 students, it is currently the largest medical training centre in the German-speaking countries. With 5,500 employees, 26 departments and three clinical institutes, 12 medical theory centres and numerous highly specialised laboratories, it is also one of Europe's leading research establishments in the biomedical sector.

FURTHER PARTNERS

Tailor-made field trips are offered to gain in-depth knowledge on best practice healthcare facilities in selected European countries.

Curriculum

<p>MODULE 1 Introduction and Basic Concepts of Healthcare & Healthcare Facilities</p>	<p>Introduction to Healthcare Introduction to Healthcare Facilities Types and Design of Healthcare Facilities Healthcare Fundamentals Lab</p>
<p>MODULE 2 Healthcare Facilities as part of the Healthcare System: Stakeholders, Measurement and Evaluation</p>	<p>Basic Concepts of Healthcare Systems Stakeholder Analysis and Cooperation Methods of Measurement and Evaluation Building Performance Evaluation Lab</p>
<p>MODULE 3 The Macro-Environment of Healthcare Facilities: Strategic and Financial Planning</p>	<p>Epidemiology and Demographics Prediction of Medical Demand, Equity & Benefit Applied Market Analysis & Financial Planning Regional and Urban Planning Lab</p>
<p>MODULE 4 The Micro-Environment of Healthcare Facilities: Processes and Functional Planning</p>	<p>The Micro-Environment: A Network of Stakeholders Process Planning and Functional Design Business Organization Lab</p>
<p>MODULE 5 International Practices and Healthcare Facilities of the Future</p>	<p>International State of the Art and Planning and Comparison Global Drivers, Predictability and Risk Mitigation Field Trip: Health Care Facilities in the International Context</p>
<p>MODULE 6 Information and Knowledge Management</p>	<p>Complexity Research, Information and Knowledge Management Clinical and non-clinical Information-Management Systems Computer Assisted Patient Care and Supportive Services Lab</p>
<p>MODULE 7 Healthcare Facilities and Design I: Disciplines and Practices</p>	<p>Architectural Competitions: From Requirements to Form Integral Design: From Form to Detail Applied HCF Planning: Design Lab</p>
<p>MODULE 8 Healthcare Facilities and Design II: Integral Planning and Implementation</p>	<p>Healthcare Facilities and Design II: Integral Planning and Implementation Integral Planning and Building Information Modeling for Healthcare Facilities Procurement Procedures and Construction Management Applied HCF Construction Project</p>
<p>MODULE 9 Commissioning and Transition Planning</p>	<p>Planning Handover and Launch of Healthcare Facilities Relocation and Service Transition Fine Tuning and Assisted Transition Lab</p>
<p>MODULE 10 Master's Thesis</p>	<p>A Master's Thesis is written relating to the student's occupational activity and focusing on the feasibility of practical implementation.</p>

Program, Objectives and Goals

PROGRAM OBJECTIVES

With the MSc program the participants acquire knowledge and competence for:

- Strategic development of healthcare facilities
- Sustainable planning of healthcare facilities
- Restructuring and commissioning of healthcare facilities
- Interdisciplinary team leadership in development and planning processes

TARGET GROUPS

The Master's program is aimed in particular at architects, engineers, doctors, nursing staff, medical professionals, health and healthcare managers, physicists and computer scientists involved in the planning and design of healthcare.

FINAL DEGREE

The MSc program is concluded by writing a Master's Thesis. Achievement of the final degree "Master of Science (MSc)" granted by the TU Wien and the MedUni Vienna.

ADMISSION REQUIREMENTS

- completion of a relevant field of study (e.g. engineering, natural science, economy, law, medicine, dentistry) or post-secondary health professional education
- at least three years of relevant professional experience
- adequate knowledge of the English language
- persons holding an equivalent educational and professional qualification may also be admitted

LANGUAGE OF INSTRUCTION

German and English

DURATION

The part-time program is presented in modules and takes four semesters.

FIELD TRIP

To provide the participants with in-depth knowledge on healthcare facilities in Europe, a tailor-made field trip is an essential part of this MSc program. During the field trip the students visit best practice examples of healthcare facilities in selected European countries.

FACULTY

Internationally recognized scientists and professional experts are members of this top-class faculty, based on their sound interdisciplinary specialized knowledge or on their extensive practical experience in the respective fields.



**We create,
re-shape & innovate
Healthcare Facilities.**



Highlights

- Interdisciplinary expertise
- Cooperation between two renowned universities
- Internationally sought-after know-how
- Unique faculty from science and industry
- Optimal combination of further training and career
- International field trips
- Professional and international network



Univ.Prof.Dr. Michael J. Hiesmayr, MSc
Academic Director MedUni Vienna

» The healthcare sector is evolving with changing expectations and constraints. Healthcare facilities are structures of focused competence supporting the healing process, offering an excellent working environment and serving the society. Adaptability, effectiveness and sustainability of healthcare facilities will be a key factor for the success of future projects. «

*Study in the most liveable
city in the world: Vienna!*



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