

Technical Facility Management

Degree	Bachelor of Engineering (B.Eng.)
Type of study	Cooperative
Standard period of study	6 semesters (incl. internship)
Commencement of studies	Winter semester (1 Oct)
Credits (ECTS)	210
Language of instruction	German
Department / Central Institute	Department of Cooperative Studies

Degree programme

Do you combine an interest in technology with a passion for getting things done? Technical Facility Management (TFM) could be the perfect outlet for your energies. Facility Management deals with the issues surrounding human productivity and the methods of supporting people at their workplace. Adopting a holistic approach, TFM seeks to provide an integrated response to the various challenges presented, whilst seeking the best possible approach to optimizing human productivity. In addition to a technical talent, you will need a head for numbers and an interest in sustainability to operate, maintain and improve facilities. Graduates of this degree programme are able to manage processes in such a way as to guarantee productivity improvements, the best use of resources and reduce the environmental impact of building use.

We train engineers with an understanding of both technology and Business Administration, qualified to assume middle management positions in TFM and lead projects in Building Operation, Maintenance and Energy Management

Professional field

Technical Facility managers are needed wherever processes are required to support core operations. This can include a range of areas including Auto- mobile Manufacture, Airport Management, Hospital Operation or Banking. Graduates of this programme are employed by Real Estate owners (airports, local government, Real Estate companies) Facility Management service pro- viders and companies which both build and operate facilities.

Degree structure

Following a foundation stage dealing with a range of Mathematics and Scien- tific issues, the technical section of the degree programme addresses a range of issues such as Building Construction, Technical Equipment and Energy Management. This is combined with modules in Facility Management and Business Administration. The programme combines all these topics into the interdisciplinary conception of the sustainable construction and operation of facilities. Electives include Occupational Safety, Industrial and Organisational Psychology, Fire Protection and Digitalization in Facility Management

Course contents

Facility and Real Estate Management:

Division Director

Department of Cooperative Studies

Prof. Dr. Andrea Pelzeter

Professor of General Business
Administration, particularly facility
management

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Guidance for prospective students

Department of Cooperative Studies

Personal counselling for dual study programmes

+49 30 30877-2000

studienberatung.dual@ hwr-berlin.de

Office hours (without advance notice)

Thu 15.00 -17.00

Study counselling by telephone

Thu 14.00 -15.00

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- The Principles of Facility Management
- Infrastructural Facility Management
- The Operating Concept
- Real Estate Management
- Sustainable Construction and Operation

Building Engineering:

- Construction
- Construction Project Management
- Heating, Ventilation and Air Conditioning (HVAC)
- Utility planning & design

Energy:

- Electrical Engineering I + II
- Power Engineering
- Energy Management

Business Administration and Law:

- Communication, Documentation
- Business Administration Principles
- Financial and Managerial Accounting
- Organization, Human Resources and Quality Management
- Law

Digital technologies

- Computer Science in FM
- Digital technologies in FM
- Digital lab

Mathematical- Scientific Principles:

- Mathematics I + II
- Mechanics I + II

All modules are taught using a building on which students can work. A number of topic specializations are possible within the practical application projects, study projects in the fourth and fifth semesters and within the scope of the Bachelor's thesis.

Students can also choose from the following electives:

- Occupational safety
- Occupational and Organisational Psychology
- Fire Safety
- Refrigeration

Admission requirements

- University entrance qualification or an entrance qualification for a University of Applied Sciences
- A contract (on a form) with a suitable apprenticeship institution/ company

Application procedure and deadlines

Those interested in a dual study program do not apply to the HWR Berlin but directly to the dual partners using the partner database on our website. These partners select their future dual students from the applicants and conclude a study agreement with them.

Apply in time: Many companies select their dual students more than one year before the start of studies.

The cooperation partners of this study programme are listed at the end of this page.

Accreditation

Programmakkreditiert durch den Akkreditierungsrat

Fees and grants

Tuition fees	None
Semesterfee	ca. € 300 per semester (incl. local transport semester ticket)