



## **Bachelor of Engineering (male/female)**

Field of study: health systems engineering  
(University of Applied Sciences)



Qualification: Technical baccalaureat diploma, German university entrance diploma  
Duration of study: 8 semesters

### **Overview of study course**

The Bachelor of Engineering study course in the field of health systems engineering comprises a scientific instruction in the basic principles of mathematics, natural sciences and engineering, together with the technical application of these principles in hospitals and other health care facilities.

For example, while taking into account the technological, economic and safety aspects, you will learn how to evaluate and solve various problems in health services engineering and hospital management.

The study course includes lectures on the following subjects: electrical engineering, instrumentation & control engineering, plumbing, heating, and air conditioning systems technology, communication technology, microbiology and hygiene, hospital construction and management and the basic principles of mechanical engineering, process engineering and business studies.

### **Typical job description**

Health systems engineers are responsible for ensuring that a hospital's technical systems operate without error.

They plan new technical systems and building services (e.g. ventilation systems, power supply), put them into operation and play a part in the selection and acquisition of building services and medical equipment.

Moreover, they carry out the project planning for any structural extensions or modernization measures.

Their tasks are mainly in the fields of technical management, quality control and maintenance.

Health systems engineers are responsible for the operational readiness, functional capability and operating safety of a hospital or other health care facility's technical systems, equipment and appliances.

### **Places of study**

University of Applied Sciences

### **Are you interested?**

If so, please send your complete written application to the address shown below. Should you have any queries, please contact us for further information.

### **OTTO GmbH & Co. KG**

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