



SRH University Heidelberg

# Business Engineering Bachelor of Engineering



**Vanessa Lehr**

**Your contact person**

+49 6221 6799-799

studyinheidelberg@srh.de



**Prof. Dr. Eckart Theophile**

**Study Programme Director**

eckart.theophile@srh.de

## **Your motivation**

**You see your future in the management of global projects.**

Engineers and economists do not always speak the same language. Our Business Engineering degree programme is designed to prepare you for the key intersection between business and technology.

## **Your prospects**

**You are both specialist and generalist, and are in demand in projects and companies throughout the world.**

Working at the interface between technology and business, you are able to speak both languages, conveying the different mindsets. You effortlessly combine technical and scientific content with economic and social science aspects. You plan, organise and design all kinds of work and business processes, enabling you to gain a foothold in the profession wherever engineering and business challenges converge.

## **Your potential fields of work include:**

- Mechanical and plant engineering
- Automotive industry
- Steel production and processing
- Chemical industry
- Medical and microsystems technology

- Energy industry
- Aviation and aerospace industry
- Traffic and transport engineering
- Engineering and construction design firms
- Consumer goods industry

### Course content and skills

#### You learn how to develop a product and sell it at a profit.

You learn to explain how scientific forces can damage a product (engineering mechanics), why the product may fail (materials engineering), what manufacturing techniques are available to restore the product (production engineering), and what all this has to do with electrical engineering – this is how we lay the engineering foundations. We then move on to business and management, where the focus is on innovation management, patent research and the basics of business administration, among other things. You also acquire skills in automation technology, CAD, programming, quality management and production.

#### Put your knowledge directly into practice: start your own engineering design project.

From a business plan for your virtual start-up to production planning: before your internship, you put what you have learned into practice by implementing your own engineering design project. You create a business plan and develop a product to meet market requirements.

### Apply now!

Scan the QR code



## At a glance

### Degree

Bachelor of Engineering (B.Eng.)

### Credit points

210 ECTS

### Start of academic programme

Winter semester

### Duration of study

7 semesters

### Tuition fees

- € 690 per month
- One-time enrolment fee of € 750
- One-time enrolment fee of € 1,000 for applicants from Non-EEA countries without permanent residence permit

### State recognition

Accredited and state-recognised

### Admission requirements

- A general higher education entrance qualification (Abitur), a subject-restricted higher education entrance qualification (fachgebundene Hochschulreife) or an entrance qualification for studies at universities of applied sciences (Fachhochschulreife)
- Alternatively: at least two years of relevant vocational training and a minimum of three years' professional experience, plus the aptitude test
- Or: a master craftsman's diploma (Meisterbrief) or a technician qualification (Technikerabschluss)
- Successful participation in the selection process

# Your study programme.

Instead of getting bogged down with lots of subjects, you concentrate fully on a five-week block (module) in each case. Each block concludes with an examination. This sustainable process helps you to achieve optimal learning outcomes.

## Semester

<b>01</b>	Mathematics and Natural Sciences I	Mathematics and Natural Sciences II	Foundations of Engineering I	Foundations of Engineering II	
	<b>Examination &amp; Credits</b>	Kls & Präs   8 ECTS	Kls & Kls   8 ECTS	Kls & Kls   8 ECTS	Kls & Kls   8 ECTS
<b>02</b>	Foundations of Engineering III	Product Design: Innovation and Economics	Product Design: Construction Design	Product Design: Automation Technology	
	<b>Examination &amp; Credits</b>	StA & Lab   8 ECTS	StA & Te   8 ECTS	DIV   8 ECTS	Kls   8 ECTS
<b>03</b>	Product Design: Production and Project Management	Product Design: Engineering Thermodynamics	Business Management I	Business Management II	
	<b>Examination &amp; Credits</b>	PA   8 ECTS	DIV   8 ECTS	Kls   8 ECTS	StA & PA   8 ECTS
<b>04</b>	Engineering Design Project	Internship			
	<b>Examination &amp; Credits</b>	PA   8 ECTS	PB   27 ECTS		
<b>05</b>	Innovation in Product Development	Corporate Development and Strategy: Framework Conditions	Corporate Development and Strategy: Globalisation and Sustainability	Corporate Development and Strategy: Processes	
	<b>Examination &amp; Credits</b>	PA   8 ECTS	FA & Kls   8 ECTS	Ref   8 ECTS	StA   8 ECTS
<b>06</b>	Corporate Development and Strategy: Management	Corporate Development and Strategy: Growth	♥ Compulsory Electives I-IV		
	<b>Examination &amp; Credits</b>	Kls   8 ECTS	PA & PA   8 ECTS	DIV   16 ECTS	
<b>07</b>	Bachelor's Thesis and Colloquium	*In addition, English lectures from Semester 1 to Semester 3, and in Semester 5			
	<b>Examination &amp; Credits</b>	Th & Ko   15 ECTS			

## Explanation

The university reserves the right to make changes.

**Kls:** Written Exam  
**Präs:** Presentation  
**StA:** Student Research Project  
**Lab:** Laboratory  
**Te:** Test

**DIV:** Various Types of Exams  
**PA:** Project Work  
**PB:** Internship Report  
**FA:** Case Studies  
**Ref:** Report/Presentation

**Th:** Thesis  
**Ko:** Colloquium  
 ♥ Electives: Please refer to the next page for module content within your elective.

# Compulsory elective modules

## Sharpen your profile.

### Compulsory electives

Compulsory electives	ECTS
Compulsory Elective I	4
Compulsory Elective II	4
Compulsory Elective III	4
Compulsory Elective IV	4

Towards the end of your programme, you have the option of choosing four compulsory electives from a wide range on offer, enabling you to expand your knowledge. The range of compulsory electives changes in line with the latest topics. (Examples from recent years include: Company Key Figures, Foreign Trade, Production Logistics, Medical Technology, Additive Manufacturing, Battery Technology, Environmental Protection, Renewable Energy Technology, Introduction to IoT, Big Data, and many more besides...)