B.Sc. Mechanical Engineering (International) | Karlsruhe, Germany | English-Taught

ENGINEER YOUR FUTURE FOR SUCCESS

STUDY WITH THE BEST

www.carlbenzschoolextended.kit.edu
As Mechanical Engineering College of the worldwide renowned Karlsruhe Institute of Technology (KIT), the Carl Benz School offers a high quality undergraduate Bachelor program as well as Summer Schools in Mechanical Engineering. The international programs are English-taught and perfectly prepare students from all over the world for engineering careers.

PROGRAM STRUCTURE

BACHELOR OF SCIENCE (B.SC.) OF THE KIT

SPECIALIZATION & BACHELOR THESIS (Semester 5 - 6)

- Global Production Management
  - Global Production Engineering
    - Global Logistics | Virtual Engineering
    - Automated Production Systems
- Automotive Engineering
  - Automotive Engineering
    - Vehicle Ride Comfort & Acoustics
    - Machine Dynamics
- Energy Engineering
  - Technical Combustion
    - Heat & Mass Transfer
  - Fundamentals Energy Technology

Smart Factory@Industry: Hands-on Industry Training

Combine a B.Sc. degree in Mechanical Engineering (International) with training projects in cooperation with some of the key players in the German industry.

Future Engineers need additional competences in the field of digitalized factories and Industry 4.0. Therefore, we offer the industry unit Smart Factory@Industry. This hands-on training program aims to enhance the technical and interdisciplinary profile of students. Participants of this program build up networks with potential employers at a very early stage of their academic career.

"Smart Factory@Industry gave me insights into the working life and great exposure to a fast-paced, technology-focused industry. The program introduced me to the department at Daimler where I am currently working."

Isha Ghandi, Carl Benz School Alumna

ADVANCED COURSES (Semester 5 - 6)

- Machines & Processes
- Fluid Mechanics
- Measurement & Control Systems
- Production Operation Management

FUNDAMENTAL COURSES (Semester 1 - 4)

- Advanced Mathematics
- Computer Science in Mechanical Engineering
- Material Science
- Mechanical Design
- Manufacturing Technology
- Electrical Engineering & Electronics
- Advanced Engineering Mechanics
- Advanced Mechanical Design
- Technical Thermodynamics
- Wave & Quantum Physics

ADDITIONAL SOFT SKILL COURSES: e.g. International Project Management | Intercultural Training | Academic Writing | Professional Application & Interview Preparation | Technical English | German Language Courses
Join the CBS College Program!

World-class Mechanical Engineering within the CBS College Program

Excellent Location
The Carl Benz School of Engineering is located in Karlsruhe, Germany’s technology region no. 1. By train, Karlsruhe is one hour away from Frankfurt International Airport.

Elite Teaching & Small Classes
The CBS College Program is characterized by small and exclusive classes of up to 50 students.

Individualized Study & Career Guidance
CBS provides students with support in regards to everyday questions, but also with individualized study and career guidance.

Strong Industry Network
In order to facilitate first steps into industry, CBS offers e.g. excursions to industry partners and an industry training program (Smart Factory@Industry).

International Orientation
Our students and alumni come from over 50 different countries. Hence, our students benefit from a worldwide network of ambassadors.

Secured On-campus Housing
We guarantee every new student a room in our campus dormitories in the heart of Karlsruhe where academic and leisure facilities can be found under one roof.

COSTS PER SEMESTER (6 MONTHS)

<table>
<thead>
<tr>
<th>FEES</th>
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<tbody>
<tr>
<td>Bachelor Program (College Fees)</td>
<td>7,000 EUR</td>
</tr>
<tr>
<td>Enrolment Fee KIT (EU/EEA Citizens)</td>
<td>ca. 150 EUR</td>
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<tr>
<td>Enrolment Fee KIT (Non-EU Citizens)</td>
<td>ca. 1,650 EUR</td>
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<tr>
<th>ESTIMATED GENERAL LIVING EXPENSES*</th>
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<tr>
<td>Rent (Single Room)</td>
<td>3,300 EUR</td>
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<tr>
<td>Food</td>
<td>1,400 EUR</td>
</tr>
<tr>
<td>Pocket Money</td>
<td>900 EUR</td>
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<tr>
<td>German Health Insurance</td>
<td>480 EUR</td>
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| YEARLY AVERAGE COSTS (EU/EEA Citizens) | 26,460 EUR |
| YEARLY AVERAGE COSTS (Non-EU/EEA Citizens) | 29,460 EUR |

*More information: carlbenzschoole.kit.edu/costsandfees.php
Admission Requirements

- High school degree
  (recommended: IB, GCE A-level, Abitur, US HD with APs)
- Excellent grades in Math & Physics
  (e.g., HL or AP)
- SAT
  (Math & Evidence-Based Reading & Writing; at least 1.200 points)
- English proficiency test
  (e.g. TOEFL or IELTS)
- Proficiency in German not required
  (German language classes offered)
- Motivation Letter

The online application portal of the KIT is open from December until April 30th each year. To ensure your exclusive participation in the CBS College Program, you can apply for the College Program in parallel while applying to B.Sc. in Mechanical Engineering (International).

More information:
carlbenzschool.kit.edu/admission-requirements.php

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#engineermyfuture

Got Questions? Ask us!
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Take a Sneak Preview!

CBS Summer School in Karlsruhe, Germany
July 19 - 23, 2021
July 26 - 30, 2021
www.carlbenzschool.kit.edu/cbs-summer-school.php

Summer Engineering Academy in Suzhou, China
August 9 - 11, 2021
https://www.carlbenzschool.kit.edu/summer-engineering-academy.php

field trips company visits workshops campus tour

www.carlbenzschool.kit.edu