People | Potential | Performance

Excellence in International Qualification: Carl Benz School of Engineering at KIT

Tjark Hecht, 14.1.2015
KIT: Research & Organization

Organizational Structure: **Five** disciplinary **Divisions**

- **Division I:** Biology, Chemistry and Process Engineering
- **Division II:** Informatics, Economics and Society
- **Division III:** Mechanical and Electrical Engineering
- **Division IV:** Natural and Built Environment
- **Division V:** Physics and Mathematics

Research Profile: **Seven** interdisciplinary **KIT-Centers**

- Energy
- Climate and Environment
- Mobility Systems
- Humans and Technology
- Information Systems Technologies
- Elementary Particle and Astroparticle Physics
- Materials Structures Functions
Portfolio of the International Department

Campus

B.Sc. Program
- Mechanical Engineering College of the KIT
  - Fulltime

Executive M.Sc. Programs
- Technology Business School of the KIT
  - Part-time

M.Sc. & Ph.D. Program
- Excellence Graduate School of the KIT in Optics & Photonics
  - Fulltime

Ph.D. Program
- Graduate School of the KIT in Teratronics
  - Fulltime

Ph.D. & Post Doc Program
- Network of Hector Fellows & Science Academy
  - Fulltime

Administration, Facility Management, IT, Services
Advantages for students

- English-taught Mechanical Engineering Program (Bachelor of Science of the KIT)
- 3 year bachelor program – 180 ECTS
- Preparing for Master, Ph.D. & Industry
- Partner of International Higher Education (CIS, OACAC, EUC …)
- Talent bench for global engineers
- Industry internship program
- 90% International Students
- Recognized around the globe
New in 2015 – Major in Automotive Engineering

- Automotive industry is Germany’s largest industry sector
  - Expertise in Mechanical Engineering
  - Headquarters and subsidiaries in Baden-Württemberg facilitate industry applications
- Drastic innovation boost
  - Marketable electro motors
  - Optimization of combustion engines
  - Light-weight design

Current majors
- Production Management
- Energy Engineering
- Railway Technology Systems
Carl Benz School – What do we look for…

- International Background
- Passion for Engineering
- Desire to be part of German Industry
- Building a bridge to company sites around the globe

Facts & Figures of the CBS

- Unique all-in-one package: Campus accommodation; counseling & mentoring
- Broad scope of training offers, e.g., German classes, intercultural training as well as German Business Knigge and application workshops
You choose: English or German Program

KIT Carl Benz School of Engineering

- Language: English only (required Toefl 90 or IELTS 6.5)
- Size of class: up to 40 students
- English speaking Student Office of CBS (2 councilors and 2 mentors)
- Own dorm on the campus Carl Benz School right in the center of Karlsruhe
- Participation at all lectures, activities and offers of the KIT
- Study start with pre-semester in August and entry exam OR
- New offer: entry exam can be taken one year prior to study start
English or German speaking Program

Maschinenbau-Program at KIT

- Language: German only – B1/C 1 Language knowledge required
- Size of class: 600 students in the first semester
- German speaking “Studienbüro” (3 assistants for all ME classes at KIT)
- Rare accommodation availabilities in Karlsruhe
- Admission: Based on High School grades only
- No participation in the English-speaking programs of Carl Benz School
- Begin of study: October each year
Summer School 2015

For technically-inclined high school students in their last two years of secondary education.

June 27 to July 3 or July 4 to July 10

- Introduction to the educational and cultural aspects of engineering studies
- Workshops
- Visits to institutes of the KIT and engineering companies
- Interesting and entertaining leisure activities

For technically-inclined high school students in their last two years of secondary education.
Discover the Exciting World of Engineering at the Carl Benz School of Engineering

Completely offered in English

At the Doorstep of Worldclass Companies

Best Research Facilities

International Village within Karlsruhe

Germany’s best University
Find us in Europe
Find Karlsruhe
Window of Opportunities

Daimler's biggest Truck Plant in the World

Bosch Logistics

World's Biggest Chemical Company

And a lot more……….
Admission Requirements

- High School Diploma (Abitur, A-Level, IB, national or equal)
- Math, physics and maybe chemistry in the last 2 years
- Curriculum Vitae including extracurricular activities
- Recommendation letters by teachers or councilors
- TOEFL Test (English Test) for not-native speakers
- SAT and other university test – if available not necessary
- Passion for Engineering
- Participating in the Pre-Semester and passing the Entry-Exam

Start of the next Bachelor Programs  first week of August

Application Deadline: June 15

Early Application possible – Application accepted from January on
Four steps of Admission Process

1. Application
   - Application checked by Admission-Office

2. Admission to Pre-Semester
   - Training in Mathematics, Physic, Chemistry, and English

3. Pre-Semester Exam
   - Exam checked

4. Admission to 1. Semester
Facts and Figures

- **Program Duration:** 3 years
- **Program Majors:** Production management
  Energy Engineering
  Automotive Engineering
- **Program Costs:** €3,500 Pre-Semester
  €7,000/Semester – tuition fees
  + Living expenses
- **Final Degree:** Bachelor of Science of the Karlsruhe Institute of Technology (KIT)
  180 ECTS
Student Voices of CBS students

Alp Kocabas
Uskudar American Academy, Istanbul (Turkey)
Intake 2012

“I decided to study Mechanical Engineering, because I want to discover and innovate mechanical solutions to industrial problems.“

Isha Gandhi
William P. Clemens High School, Sugar Land, Texas (USA)
Intake 2013

“I like the fact that it’s a more tangible application of maths and science.”
Contact

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