



Carl Benz School of Engineering

Mechanical Engineering College of the Karlsruhe Institute of Technology

SmartFactory@Industry

A hands-on industry training with industry partners, aiming to enhance the practical and theoretical knowledge of CBS College Program students in the field of smart applications and Industry 4.0.

Smart factories are already an integral part of today's industry, meaning that engineers need the appropriate know-how to successfully lead the integration and extension of these digitalized factories.

In cooperation with industry partners, the Carl Benz School of Engineering as the Mechanical Engineering College of the KIT offers the integrated industry unit SmartFactory@Industry. This dual training program aims to enhance the technical and interdisciplinary profile of Mechanical Engineering students.

Through this program the students are able to build up networks with potential employers at a very early stage of their academic career.

**Are you looking for a Bachelor's program with hands-on experience?
Work with us and our Partners!**

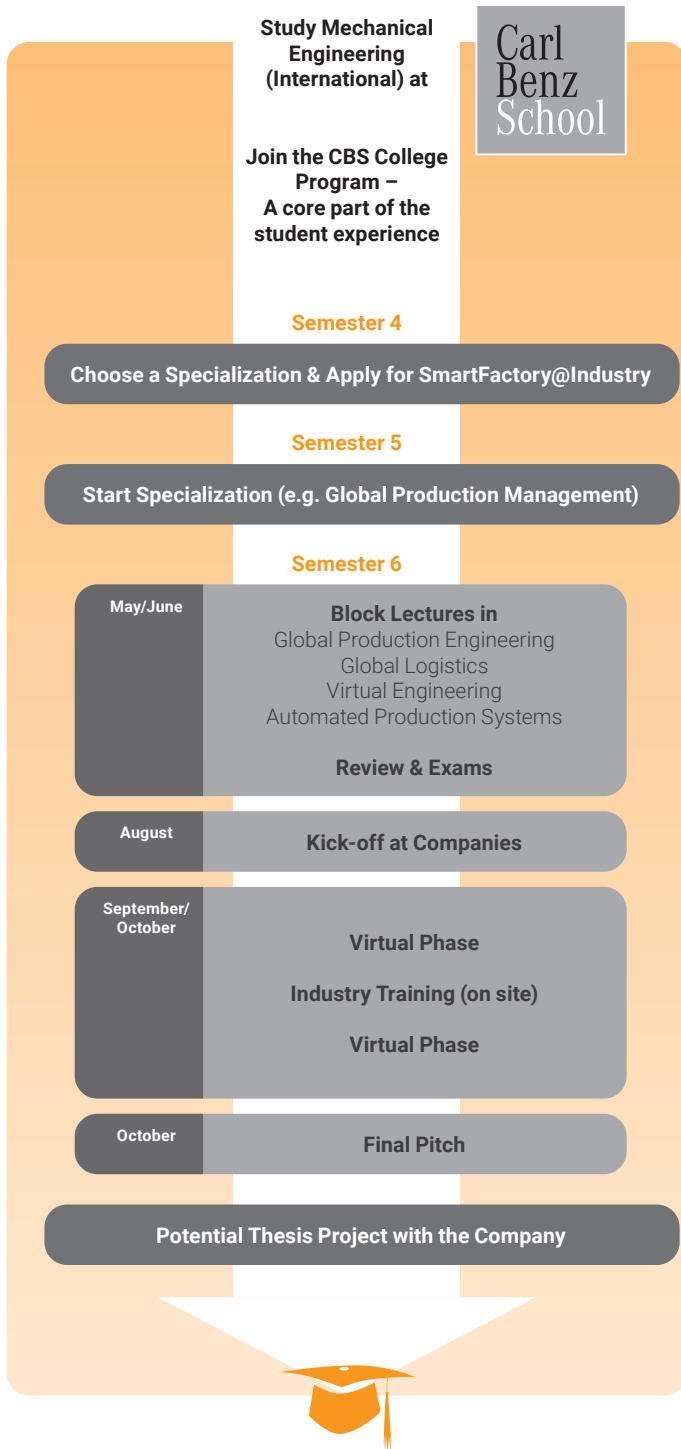


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Take the chance and combine an international Bachelor of Science in Mechanical Engineering at one of the leading technical universities worldwide with training projects offered by some of the key players in German industries.

Example Timeline



Facts about SmartFactory@Industry

The Dual Training Program "Smart Factory@Industry" is

- organized as program-specific block lectures
- set up as practical phases in the companies' innovation labs
- open to select College Program participants (Legal action excluded)
- providing students with exclusive insights into aspects of Industry 4.0

Benefits: The participants will gain...

- hands-on experience
- direct links to key players in German industry
- insider knowledge directly from industry experts
- management skills
- a sense of the modern job market
- intercultural competency
- potential opportunities to write the Bachelor's thesis with one of the industry partners

Each industry partner offers a program according to their production's specific needs, some examples of topics:

- Inbound/Outbound logistics
- Internet of Things
- Human-machine collaboration
- Big Data Analysis
- Smart Factory and Smart Manufacturing
- Product Planning
- 3D Printing
- Vertical and horizontal production
- Supply Chain
- Cloud Computing
- Lithography and Digitalization of Fabrication Processes
- Agile Production Systems

"The project gave me a very good insight not only about the working life at Daimler but also great exposure to a fast-paced, technology focused industry. I gained a lot of understanding about the development of innovation projects and the experience of working on a revolutionary topic was fantastic.



Photo: Mercedes-Benz Group AG.

Isha Ghandi,
Carl Benz School
Alumna.

Finally, the Smart Factory project introduced and brought me into contact with the department at Mercedes-Benz where I started my career. It was a direct enabler for my job."

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