



# Smart Factory@Industry

## Integrated Industry Unit



### Industry 4.0 and Smart Factories

The concept of **Industry 4.0** defines a new way of organizing factories, also called smart factories, aiming to better serve customers through greater flexibility of production and resource optimization. The key principles of Industry 4.0 include the collection and analysis of data and the use of networks of instant communication.

### Hands-on Experience

In cooperation with industry partners, the Carl Benz School of Engineering offers the integrated industry unit Smart Factory@Industry. This dual training program aims to enhance the technical and interdisciplinary profile of mechanical engineering students and also builds up networks with potential employers at a very early stage of their academic career.

### Work with our Partners!



**BOSCH**

DAIMLER



### Are you looking for a Bachelor's program with hands-on experience?

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.

### Integrated Industry Unit

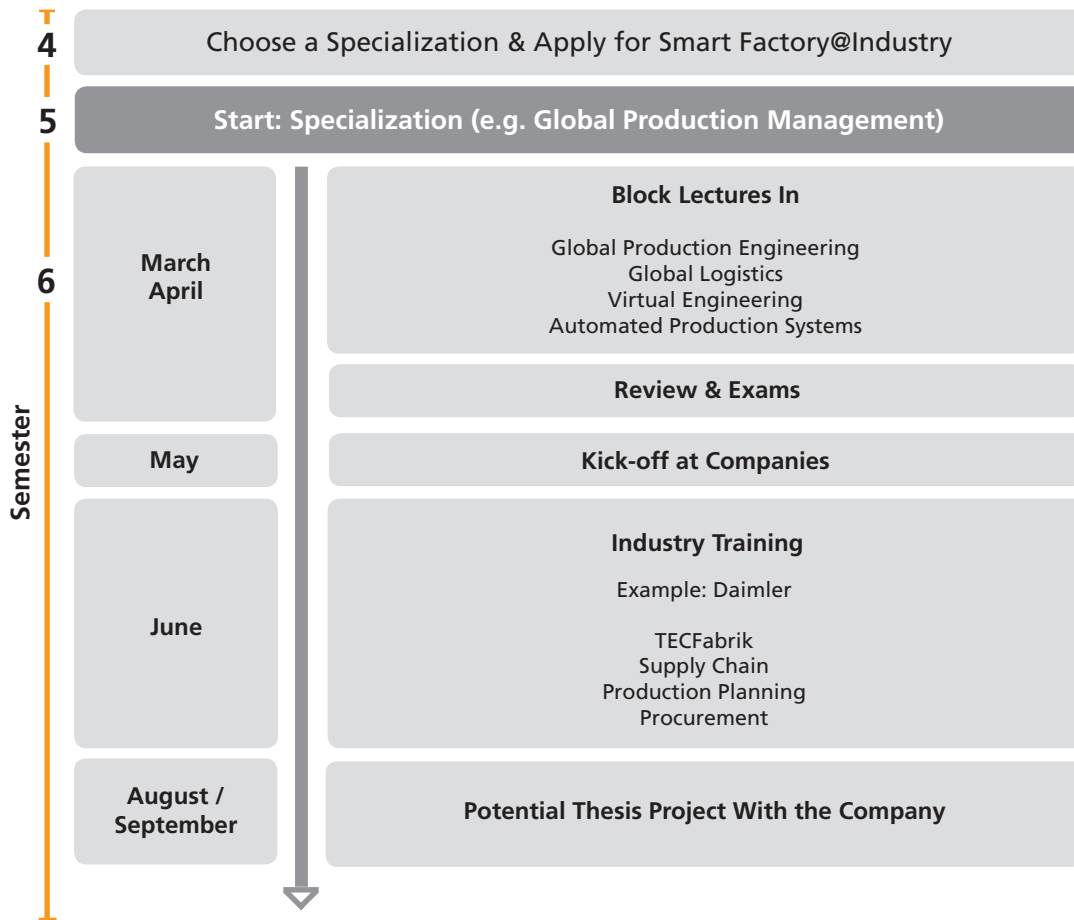
- ✓ Program-specific block lectures
- ✓ Practical phases at the company's innovation labs
- ✓ Exclusive insights in aspects of industry 4.0

### Direct Link to Industry

- ✓ Work with experts from the key players in German industries
- ✓ Gain additional management skills
- ✓ Get a sense for today's job market
- ✓ Obtain intercultural competences
- ✓ Opportunity to do the Bachelor's thesis with one of the industry partners

### State-of-the-art Topics

Human-Machine Collaboration • Internet of Things • Agile Production Systems • Supply Chain • Big Data Analysis • Smart Factory & Smart Manufacturing • Production Planning • Cloud Computing • Lithography & Digitalization of Fabrication Processes • Vertical & Horizontal Production • Inbound/Outbound Logistics • 3-D-Printing



## How to become part?

Apply for our B.Sc. Mechanical Engineering (International)!

[carlbenzschooll.kit.edu/applicationportal.org](http://carlbenzschooll.kit.edu/applicationportal.org)



**APPLY NOW!**

Choose a specialization and apply for the program Smart Factory@Industry during semester 4!

## Questions? Contact us!



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"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.

Finally, the Smart Factory project introduced and brought me into contact with the department at Daimler where I am currently working. It was a direct enabler for my job."

- Isha from India, CBS Alumni

✓ Gain Exclusive Insights Into Aspects of Industry 4.0!

✓ Get in Touch With Potential Employers!

✓ Become an Expert in a State-of-the-Art Topic!



[www.carlbenzschooll.kit.edu/smartfactory.php](http://www.carlbenzschooll.kit.edu/smartfactory.php)

Interested?  
Find more information  
on our website!

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