

The degree programm consists of 180 Credit Points (CP) in total:

Language of Tuition:  
GERMAN  
certificates required

- Mandatory Subject Area:** 146 CP ■
- including Lab Practical:** 14 CP ■
- Electives Area:** 16-19 CP ■
- General Studies:** 3-6 CP ■
- Research/Thesis:** 12 CP ■

The following **module overview** is an abbreviated, easy-to-read version of the **official course schedule** in the examination regulations, to be found in the Satzungsbeilagen of TU Darmstadt:

1st semester	2nd semester	3rd semester	4th semester	5th semester	6th semester
Introduction to Mechanical Engineering (2 CP)	Chemistry for Mechanical Engineering (4 CP)	Machine Elements and Mechatronics I (8 CP)	Machine Elements and Mechatronics II (8 CP)	Product Design Project (4 CP)	Engineering and Society - Lecture (2 CP)
Fundamentals of Digitalisation (4 CP)	Introduction to Electrical Engineering (6 CP)	Physics for Mechanical Engineering (4 CP)	Measurement Techniques, Sensors, and Statistics (6 CP)	Laboratory Digitalisation (2 CP)	Engineering and Society - Seminar (2 CP)
Mathematics for Mechanical Engineering I (8 CP)	Mathematics for Mechanical Engineering II (8 CP)	Mathematics for Mechanical Engineering III (4 CP)	Mathematical Fundamentals of Machine Learning (4 CP)	Systems Theory and Control Engineering (6 CP)	Introduction to Scientific Working and Writing (2 CP)
Engineering Mechanics I (Statics) (6 CP)	Engineering Mechanics II (Elastostatics) (6 CP)	Engineering Mechanics III (Dynamics) (6 CP)	Fundamental Fluid Mechanics (6 CP)	Heat and Mass Transfer (4 CP)	Numerical Simulation Methods (4 CP)
Production Technology (6 CP)	Computer Aided Design (4 CP)	Technical Thermodynamics I (6 CP)	Technical Thermodynamics II (4 CP)		Bachelor's Thesis (12 CP)
Material Science and Engineering I (4 CP)	Material Science and Engineering II (4 CP)	Material Science and Engineering III (2 CP)	Electives Area (16 - 19 CP)		
General Studies (3 - 6 CP)					

Study Programmes

[www.tu-darmstadt.de/studieren](http://www.tu-darmstadt.de/studieren)

hobit – Information fair for pupils

[www.hobit.de](http://www.hobit.de)

TUday – Info day for prospective students

[www.tu-day.de](http://www.tu-day.de)

Online Self-Assessment

[www.self-assessment.tu-darmstadt.de](http://www.self-assessment.tu-darmstadt.de)

Course Schedule

[www.tucan.tu-darmstadt.de](http://www.tucan.tu-darmstadt.de)

Application and Admission for international students  
(International Office)

[www.tu-darmstadt.de/international](http://www.tu-darmstadt.de/international)

Zentrale Studienberatung und -orientierung ZSB  
(Central Student Advisory and Orientation Office)

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Opening hours: [www.zsb.tu-darmstadt.de](http://www.zsb.tu-darmstadt.de)

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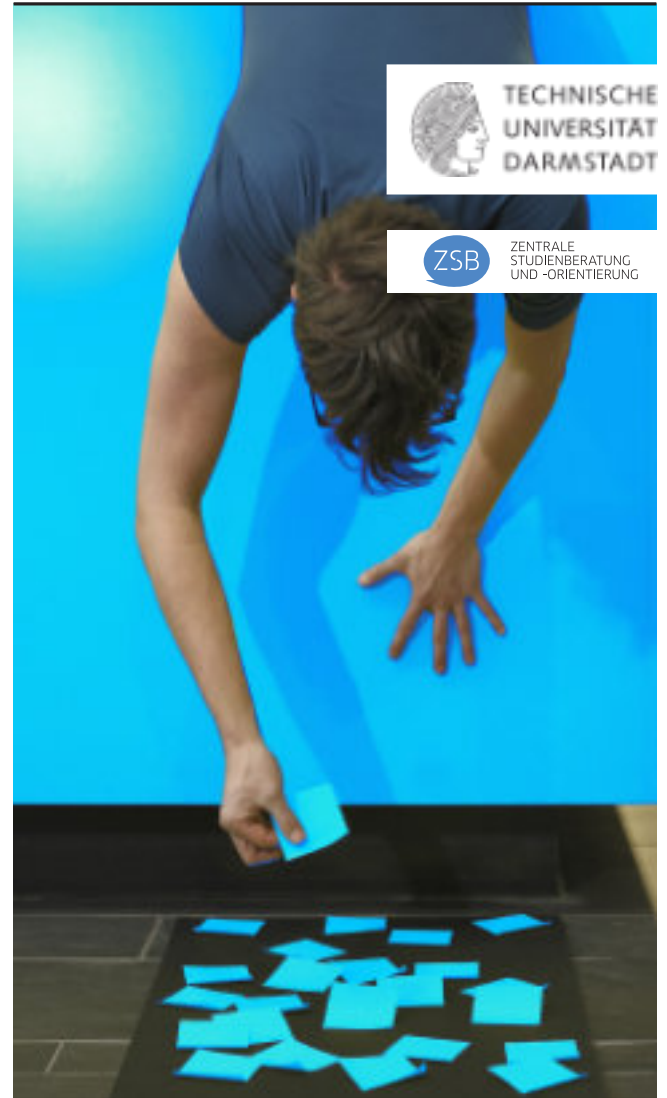
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[www.tu-darmstadt.de/international](http://www.tu-darmstadt.de/international)

For information on application deadlines please refer to

Admission

# Informatik Bachelor of Science



Design: DUBBEL SPÄTH, Darmstadt | Teilfoto: Gregor Schuster, Darmstadt

[www.informatik.tu-darmstadt.de](http://www.informatik.tu-darmstadt.de)

Informatik addresses the depiction, storage, transfer, and systematic processing of information. Closely related to mathematics in its formal fundamentals, it is also an engineering discipline that has developed out of a need for fast and reliable calculations of all sorts. The analysis, design, adaption, and application of communications and information systems are the focus of the research-oriented Bachelor of Science programme Computer Science. In addition, the students deal with the design and use of software and hardware systems.

Brief Description