

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

Language of Tuition:  
GERMAN  
certificates required

- Mandatory Subject Area:** 112 CP ■
- including Project:** 8 CP ■
- Elective Subject Area:** 48 CP ■
- Interdisciplinary Elective Area:** 8 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:

1 <sup>st</sup> semester	2 <sup>nd</sup> semester	3 <sup>rd</sup> semester	4 <sup>th</sup> semester	5 <sup>th</sup> semester	6 <sup>th</sup> semester
Mathematics I (for Electrical Engineering) (8 CP)	Mathematics II (for Electrical Engineering) (8 CP)	Mathematics III (for Electrical Engineering) (8 CP)	Scientific Computing (ETIT) (4 CP)	Engineering Electives Choice of 1 out of 4 majors: - Higher Mechanics - Civil Engineering - Computational Engineering - Mechanical Engineering (48 CP)	Bachelor Thesis (12 CP)
			Statistics/ Probability Theory (ETIT) (4 CP)		
Technical Mechanics I (8 CP)	Technical Mechanics II (8 CP)	Technical Mechanics III (8 CP)	Technical Mechanics IV (6 CP)		
Introduction to Programming I (3 CP)	Introduction to Programming II (3 CP)	Project Course: Digitalization, AI and Data Science (4 + 4 CP)			
Physics for Electrical Engineering (6 CP)	Studium Generale Catalogue of all modules of TU Darmstadt (8 CP)	Mechanical Behavior of Materials (4 CP)	Partial Differential Equations (6 CP)		
Introduction to Chemistry I (3 CP)		Technical Thermodynamics I (6 CP)	Technical Thermodynamics II (4 CP)		
Orientation IWM I Mentoring for beginners (1 CP)			Technical Fluid Mechanics (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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Gebäude S1 | 01

E-mail: [info@zsb.tu-darmstadt.de](mailto:info@zsb.tu-darmstadt.de)

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

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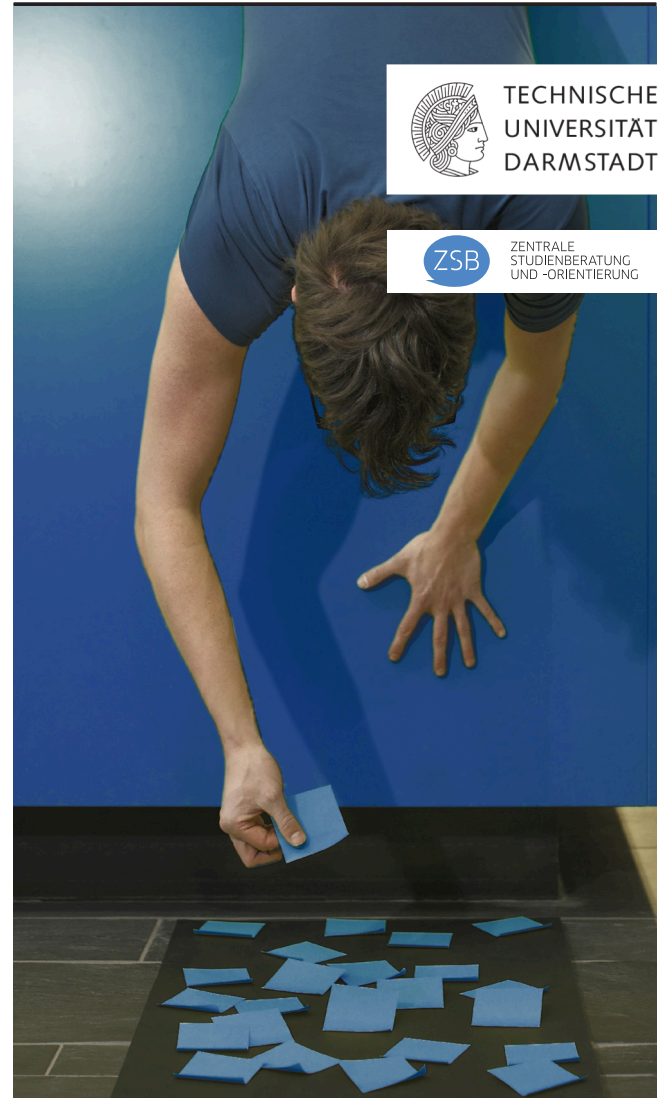
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For information on application deadlines please refer to

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

Admission

# Ingenieurwissenschaften und Mechanik Bachelor of Science



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

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

The programme Ingenieurwissenschaften und Mechanik builds bridges between physics, mathematics and engineering. Mechanics is an area that plays an important role in current developments in a wide variety of scientific and technical fields. To name a few examples: Crash behavior of motor vehicles, flying airplanes, space travel, skiing, behavior of modern implants in the human body, flow behavior (car body, weather), load-bearing behavior (houses, bridges, buildings...), different manufacturing processes, undesired noise, nanotechnology and many more.

Brief Description