

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 st semester	2 nd semester	3 rd semester	4 th semester	5 th semester	6 th 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)		Partial Differential Equations (6 CP)		
Physics for Electrical Engineering (6 CP)	Introduction to Programming II (3 CP)	Mechanical Behavior of Materials (4 CP)	Technical Fluid Mechanics (6 CP)		
Introduction to Chemistry I (3 CP)	Studium Generale Catalogue of all modules of TU Darmstadt (8 CP)	Technical Thermodynamics I (6 CP)	Technical Thermodynamics II (4 CP)		
Orientation IWM I Mentoring for beginners (1 CP)			Orientation IWM I Choice of Specialty (0 CP)		

Study Programmes

www.tu-darmstadt.de/studieren

hobit – Information fair for pupils

www.hobit.de

TUday – Info day for prospective students

www.tu-day.de

Online Self-Assessment

www.self-assessment.tu-darmstadt.de

Course Schedule

www.tucan.tu-darmstadt.de

Application and Admission for international students
(International Office)

www.tu-darmstadt.de/international

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

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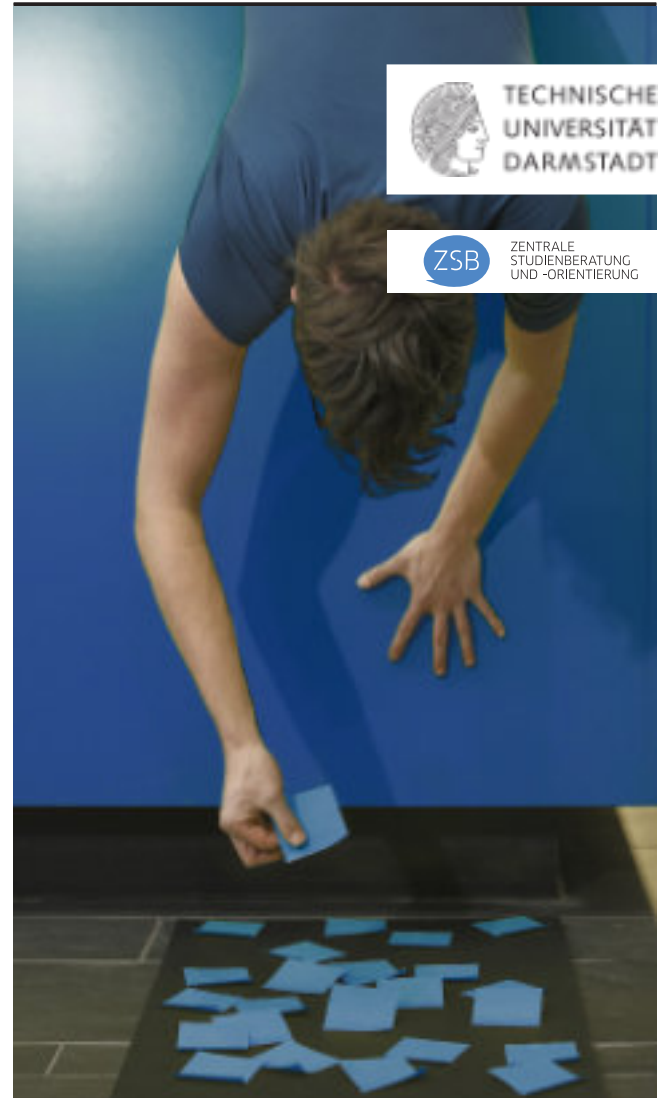
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www.tu-darmstadt.de/international

For information on application deadlines please refer to

Admission

Ingenieurwissenschaften und Mechanik Bachelor of Science



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

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