

Mechanical Engineering - Mechanical and Process Engineering (B.Sc.) - Effective 01 April 2020

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

Language of Tuition:
GERMAN
certificates required

Mandatory Subject Area: 146 CP ■
Elective Subject Area: 20 CP ■
Laboratory (Mandatory): 2 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. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester
Introduction to Mechanical Engineering (2 CP)	Introduction to Electrical Engineering (6 CP)	Chemistry for Mechanical Engineering (4 CP)	Measurement Techniques, Sensors and Statistics (6 CP)	Introduction to Scientific Working Methods and Writing (2 CP)	Numerical Methods (4 CP)
Information and Communication Technology in Mech. Engin. (4 CP)	Computer Aided Design (4 CP)	Machine Components and Mechatronics I (8 CP)	Machine Components and Mechatronics II (8 CP)	Engineers and Society (6 CP)	Bachelor's Thesis (12 CP)
Mathematics I for Mechanical and Process Engineering (8 CP)	Mathematics II for Mechanical and Process Engineering (8 CP)	Mathematics III for Mechanical and Process Engineering (4 CP)	Numerical Mathematics (4 CP)	Product Design Project (4 CP)	
Engineering Mechanics I (Statics) (6 CP)	Engineering Mechanics II (Elastostatics) (6 CP)	Engineering Mechanics III (Dynamics) (6 CP)	Fundamental Fluid Mechanics (6 CP)	Control Engineering (6 CP)	
Material Science and Engineering I (6 CP)	Material Science and Engineering II (6 CP)	Technical Thermodynamics I (6 CP)	Technical Thermodynamics II (2 CP)	Heat and Mass Transfer (4 CP)	
Production Technology (6 CP)		Physics for Mechanical Engineering (4 CP)	Physics Laboratory Course (2 CP)	Elective Subject Area (20 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.osa.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)

Karolinenplatz 5, 64289 Darmstadt

Gebäude S1 | 01

email info@zsb.tu-darmstadt.de

www.zsb.tu-darmstadt.de

Opening hours

Tuesday 10-12 a.m.

Wednesday 2-4 p.m.

Thursday 4-6 p.m. and by arrangement

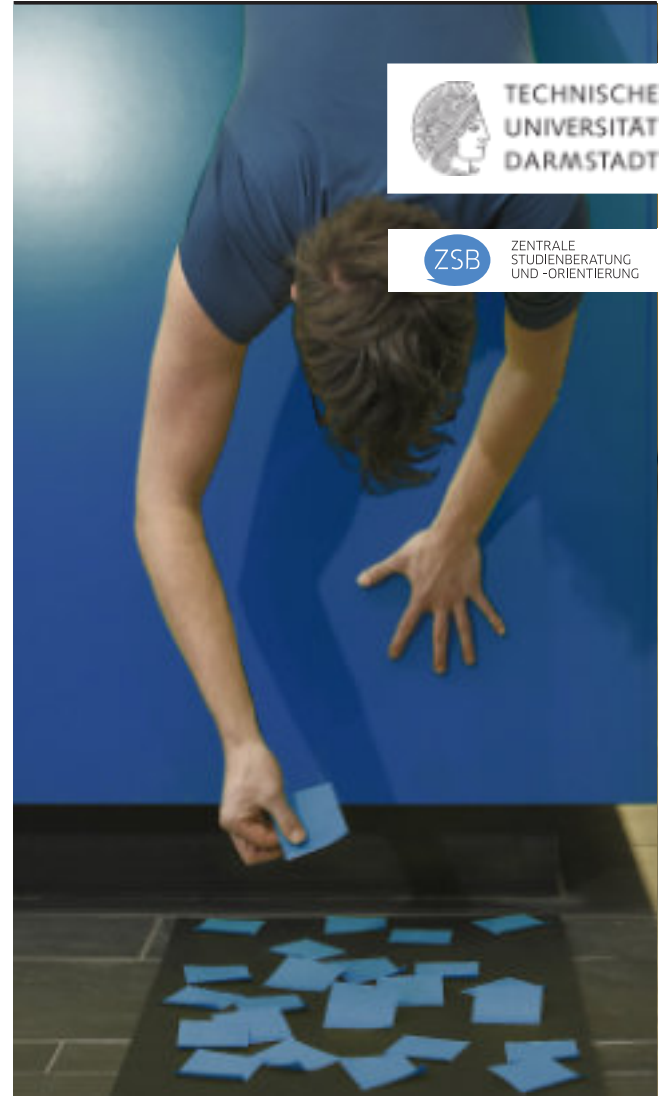
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Mechanical Engineering - Mechanical and Process Engineering Bachelor of Science

Maschinenbau - Mechanical and Process Engineering (B.Sc.)



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Brief Description

Mechanical Engineering in Darmstadt

In order to understand the complex world of tomorrow, a holistic view is necessary. Therefore, we provide you with a sound understanding of the mathematical and scientific fundamentals. Upon having built a solid foundation in the Bachelor's degree, you can pursue your own individual study plan with the greatest possible freedom in the Master's degree. Team projects are part of the course. In the Bachelor's degree programme, the Product Design Project offers you the opportunity to develop a product.

www.maschinenbau.tu-darmstadt.de

Admission

For information on application deadlines please refer to www.tu-darmstadt.de/international