

Mechanics (M.Sc.) - Effective 01 December 2024

The degree programme consists of 120 Credit Points (CP) in total:

Compulsory Area:	16 CP	■
Elective/Optional Subject Area:	68 CP	■
Studium Generale:	6 CP	■
Research/Thesis:	30 CP	■

Language of Tuition:
ENGLISH
certificates required

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
Nonlinear Finite Element Methods (FEM II) (6 CP)	Continuum Mechanics II (6 CP)		Master Thesis (30 CP)
Seminar Mechanics: (Choice of 1 out of 4 Modules) (4 CP)			
Electives A: Advanced Modules in Mechanics (32 CP)			
Electives B: Advanced Modules in Mathematics (18 CP)			
Engineering Specialisation Area (Choice of 2 Specialisation Areas) * (18 CP)			
Studium Generale (Interdisciplinary Elective Area from the catalogue of TU Darmstadt) (6 CP)			

* Possible Specialisations: Structural Mechanics and Dynamics, Experimental Mechanics, Environmental and Bio-Mechanics, Mechanics of Earth Systems, Mechanics of Modern Materials, AI and Digitalization in Mechanics, Mechanics in Aeronautics and Astronautics, Mathematical Methods in Mechanics

Study Programmes

www.tu-darmstadt.de/studieren

Course Schedule

www.tucan.tu-darmstadt.de

Application and Admission for international students
(International Office)

www.tu-darmstadt.de/application

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

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www.tu-darmstadt.de/application

Admission

Mechanics Master of Science

Mechanik (M.Sc.)



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

Brief Description

The interdisciplinary Master of Science in Mechanics deepens and expands the mathematical and mechanical engineering skills and knowledge acquired in the Bachelor's degree programme as well as the application of methods of mechanics for solving scientific and engineering problems. The programme can be adjusted to the students' individual interests by choosing from the extensive mandatory subject area along the different fields.

www.mechanik.tu-darmstadt.de