

Module Overview M.Sc. Mechanics - 6 Semesters

Degree Programme Guidelines as per 01.06.2023, Version: 01.06.2023 (SB2023IV)

The Degree Programme consists of 120 Credit Points (CP) in total:

Compulsory Area:	16 CP	■	Elective Areas:	68 CP	■
Interdisciplinary Elective Area:	6 CP	■	Master Thesis:	30 CP	■

Language of Tuition:
ENGLISH
Certificates required



This leads to following *possible* part-time semester course schedule:

1. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester
Nonlinear Finite Element Methods (FEM II) (6 CP)	Continuum Mechanics II (6 CP)			Master Thesis (30 CP)	
Seminar Mechanics <i>Choice of 1 out of 4 modules</i> (4 CP)					
Elective Area A: Advanced Modules in Mechanics (32 CP)					
Elective Area B: Advanced Modules in Mathematics (18 CP)					
Engineering Specialisation Area <i>Choice of 2 specialisation areas: Structural Mechanics and Dynamics; Experimental Mechanics; Environmental and Bio-Mechanics; Mechanics of Earth Systems; Mechanics of (Modern) Materials; Artificial Intelligence and Digitalisation in Mechanics; Mechanics in Aeronautics and Astronautics; Mathematical Methods in Mechanics</i> (18 CP)					
Interdisciplinary Elective Area, Studium Generale <i>Modules from all departments of TU Darmstadt</i> (6 CP)					
Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP