Module Overview B.Sc. Engineering and Mechanics - 9 Semesters

Degree programme guidelines as per 01.06.2023, Version: 01.06.2023 (SB2023IV)

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

Mandatory Subject Area:	**112 CP**	**Interdisciplinary Elective Area:**	**8 CP**
- Including Project:	**8 CP**	**Bachelor Thesis:**	**8 CP**
Elective Subject Area:	**48 CP**		

Language of Tuition: GERMAN
Certificates required

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

1. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester	7. Semester	8. Semester	9. Semester
Mathematics I (for ET) (8 CP)	**Mathematics II (for ET) (8 CP)**	**Mathematics III (for ET) (8 CP)**	**Statistics/ Probability Theory (ETIT) (4 CP)**		**Partial Differential Equations (6 CP)**	**Engineering Electives** *Choice of 1 out of 4 majors:* - Higher Mechanics - Civil Engineering - Computational Engineering - Mechanical Engineering **(48 CP)**		**Bachelor Thesis (12 CP)**
Technical Mechanics I (8 CP)	**Technical Mechanics II (8 CP)**	**IMechanical Behavior of Materials (4 CP)**	**Technical Fluid Mechanics (6 CP)**	**Technical Mechanics III (8 CP)**	**Technical Mechanics IV (6 CP)**			
Introduction to Programming I (3 CP)	**Introduction to Programming II (3 CP)**	**Physics for ET (6 CP)**	**Scientific Computing (ETIT) (4 CP)**	**Technical Thermodynamics I (6 CP)**	**Technical Thermodynamics II (2 CP)**			
Orientation IWM I (1 CP)		**Introduction to Chemistry I (3 CP)**	**Orientation IWM II (0 CP)**	**Project Course: Digitalization, AI and Data Science (8 CP)**				
Studium Generale *General catalog of the TU Darmstadt* **(8 CP)**								
Ø 20 CP	**Ø 20 CP**	**Ø 20 CP**	**Ø 20 CP**	**Ø 20 CP**	**Ø 20 CP**	**Ø 20 CP**	**Ø 20 CP**	**Ø 20 CP**