

Module Overview B. Sc. Applied Mechanics (9 Semester)

Degree Programme Guidelines 01.10.2016, cited 01.10.2018

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

- ▶ **Mandatory Subject Area:** 129 CP ■
- ▶ **Elective Subject Area:** 21 CP ■
- ▶ **Optional Subject Area:** 18 CP ■
- ▶ **Bachelor's Thesis:** 12 CP ■

Language of Tuition:
GERMAN
certificates required



This leads to the following *possible* semester course schedule:

1. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester	7. Semester	8. Semester	9. Semester
Engineering Mechanics I (8 CP)	Engineering Mechanics II (8 CP)	Chemistry I Basics for Engineers (3 CP)	Computer Aided Design (4 CP)	Engineering Mechanics III (8 CP)	Engineering Mechanics IV (6 CP)		Partial Differential Equations: Classic Methods (6 CP)	Mechanics Seminar (3 CP)
Mathematics I (Electrical Engineering) (9 CP)	Mathematics II (Electrical Engineering) (9 CP)	Mathematics III (Electrical Engineering) (9 CP)	Mathematics IV (Electrical Engineering) (9 CP)	Ordinary Differential Equations (5 CP)	Tensor Calculus for Engineers (6 CP)	Optional Subject Area Natural Scientific and Engineering Specialisation (12 CP)		
Introduction to Programming I (3 CP)	Introduction to Programming II (3 CP)	Physics I (Electrical Engineering) (4 CP)	Physics II (Electrical Engineering) (4 CP)	Construction Materials (8 CP)	Physical Chemistry I (7 CP)	Elective Subject Area Mechanics Specialisation (12 CP)	Elective Subject Area Mechanics Specialisation (6 CP)	Bachelor's Thesis (12 CP)
Orientation Event Applied Mechanics Mentoring (0 CP)		Study Achievement in Physics Laboratory Course (4 CP)	Interdisciplinary Modules (3 CP)		Introduction to Scientific Work (3 CP)	Interdisciplinary Modules (3 CP)	Introduction to Commercial FE-Software* (3 CP)	
20 CP	20 CP	20 CP	20 CP	21 CP	22 CP	21 CP	18 CP	18 CP

* or one Interdisciplinary Module (Optional Subject Area)