

Module Overview B. Sc. Applied Mechanics (12 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
Engineering Mechanics I (8 CP)	Engineering Mechanics II (8 CP)	Introduction to Programming I (3 CP)	Computer Aided Design (4 CP)	Engineering Mechanics III (8 CP)	Engineering Mechanics IV (6 CP)
Mathematics I (Electrical Engineering) (9 CP)	Mathematics II (Electrical Engineering) (9 CP)	Chemistry I Basics for Engineers (3 CP)	Introduction to Programming II (3 CP)	Mathematics III (Electrical Engineering) (9 CP)	Mathematics IV (Electrical Engineering) (9 CP)
Orientation Event Applied Mechanics <i>Mentoring</i> (0 CP)		Physics I (Electrical Engineering) (4 CP)	Physics II (Electrical Engineering) (4 CP)		
		Study Achievement in Physics Laboratory Course (4 CP)	Interdisciplinary Modules (3 CP)		
17 CP	17 CP	14 CP	14 CP	17 CP	15 CP
7. Semester	8. Semester	9. Semester	10. Semester	11. Semester	12. Semester
Construction Materials (8 CP)	Tensor Calculus for Engineers (6 CP)		Partial Differential Equations: Classic Methods (6 CP)	Bachelor's Thesis (12 CP)	
Ordinary Differential Equations (5 CP)	Physical Chemistry I (7 CP)	Elective Subject Area Mechanics Specialisation (12 CP)	Elective Subject Area Mechanics Specialisation (6 CP)	Mechanics Seminar (3 CP)	Introduction to Commercial FE-Software* (3 CP)
	Introduction to Scientific Work (3 CP)	Interdisciplinary Modules (3 CP)	Optional Subject Area Natural Scientific and Engineering Specialisation (12 CP)		
13 CP	16 CP	15 CP	18 CP	12 CP	12 CP

* or one Interdisciplinary Module (Optional Subject Area)