

# Module Overview B.Ed. Metal Engineering (12 Semesters)

Degree Programme Guidelines as per 01.10.2015, Version 01.10.2017

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

## Vocational Field of Studies

- Specialised Science: 100 CP
- Subject-related Didactics: 20 CP
- Bachelor's Thesis: 10 CP

## Non-vocational Field of Studies

- Specialised Science: 10 CP
- Subject-related Didactics: 10 CP

Educational and Social Sciences: 30 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
Information and Communication Technology in Mech. Engineering (4 CP)	Computer Aided Design (4 CP)	Material Science and Engineering I (6 CP)	Areas of Focus in Teaching Practice (5 CP)	Technology Didactics I (5 CP)	Application-oriented Research in Technology Didactics (5 CP)
Advanced Mathematics I (7 CP)	Advanced Mathematics II (4 CP)	Engineering Mechanics I for Vocational Training (Statics) (6 CP)	Technische Mechanik II für das Lehramt (Elastostatik) (6 CP)	Machine Components and Mechatronics I for Vocational Training (8 CP)	Curricula Aspects of Didactics of Mechanical Engineering (5 CP)
Fundamentals of Vocational Pedagogy (5 CP)	Teaching and Learning in Vocational Education (9 CP)		School practical Studies <i>or</i> Practical extracurricular Studies I (10 CP)		
Social Sciences					
Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP
7. Semester	8. Semester	9. Semester	10. Semester	11. Semester	12. Semester
Technical Thermodynamics for Vocational Training (6 CP)	Machine Components and Mechatronics II for Vocational Training (8 CP)			Bachelor's Thesis (10 CP)	
Production Technology (6 CP)	Elective Subject Area Specialisation: Production Technology <i>or</i> Automotive Engineering (27 CP)				
Wahlpflichtbereich Allgemein (8 CP)					
	Non-vocational Field of Studies: Specialised Science (10 CP)				
	Non-vocational Field of Studies: Subject-related Didactics (10 CP)				
Social Sciences (6 CP)					
Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP