

Studiengang Maschinenbau

Sem.	Model Study Plan - Program Mechanical Engineering										Sum				
3 (10)	Master Module 30 CP Master Thesis (3/4) + Colloquium (1/4)										30	Master of Science			
2 (9)	Modelling and Simulation 6 CP		Area of Specialisation: Basis 6 CP		Area of Specialisation: Special 15 CP				Key Quali. 3 CP		30				
3 (8)	Mathematics 4 6 CP		Finite Element Method 6 CP		Area of Specialisation: Basis 6 CP		Area of Specialisation: Special 6 CP		Key Qualification 6 CP		30				
7	Job-Practical Studies 15 CP					Bachelor Module 15 CP (Bachelor Thesis 12 CP + Colloquium 3 CP)					30	Bachelor of Science			
6	LMC 2 CP	Physics 5 CP		ALME 4 CP	Area of Specialisation: Basis 6 CP		Area of Specialisation: Special 8 CP		Term Paper 6 CP		31				
5	Measurement and Control 5 CP		Thermodynamics 2 5 CP		Area of Specialisation: Basis 6 CP		Area of Specialisation: Special 10 CP			Key Quali. 4 CP			30		
4	Engineering Vibrations and Machine Dynamics 5 CP		Thermodynamics 1 4 CP		Fluid Mechanics 5 CP		Mechanical Engineering Design 3 6 CP		ME 3 2 CP	BEEE 2 4 CP			Key Quali. 4 CP		30
3	Mathematics 3 8 CP			Engineering Mechanics 3 7 CP			Mechanical Engineering Design 2 6 CP		ME 2 2 CP	BEEE 1 2 CP	Materials Science and Engineering 2 3 CP		LME 2 CP	30	
2	Mathematics 2 9 CP			Engineering Mechanics 2 5 CP		Mechanical Engineering Design 1 6 CP		ME 1 2 CP	IIPW 3 CP		Materials Science and Engineering 1 3 CP		Key Quali. 2 CP	30	
1	Mathematics 1 9 CP			Engineering Mechanics 1 5 CP		CAD Computer Aided Design 5 CP		Chemistry 2 CP	Information Technology: Principles of Programming 6 CP		Production Engineering 2 CP		29		

- Basics Mathematics/Natural Sciences
- Basics Mechanical Engineering
- Application Mechanical Engineering
- Interdisciplinary Courses
- Amphasis and Application
- Basiscs Emphasis

- Abbreviations
- ME - Manufacturing Engineering
 - IIPW - Introduction into Project Work
 - LME - Lab Materials Engineering
 - BEEE - Basics of Electrical Engineering and Electronics
 - LMC - Lab Measurement and Control
 - ALME - Advanced Laboratory Mechanical Engineering