

Exclosure to Subject Specific Regulations  
 from 25.07.2018  
 for Bachelor-Programme Mechatronik  
 at TUHH dual study program  
 Programme Director: Prof. Thorsten Kern  
 Total: 210 CP  
 Number of Specilisations to choose: 0

# TUHH

## Course Scheme Bachelor Mechatronics (MECBS) dual study program

Consolidated Version  
 for Study Cohort: WiSe22/23  
 en\_head\_sda  
 and Approval of Chair from:  
 24.05.2023  
 Replaces Version from: 06.04.2022  
 In Force on: 01.10.2023  
 Out of Force on: 31.03.2027

Information regarding the lectures are available in the TUHH modul manuals as well as in the course catalogue.

		Module					Examination				Course Work		
Re-com. Term	Module Name (German / English)	Language	ModuleResponsability	Institute	C/EC (1)	CM/OM (2)	CP (4)	Grade	Examination Form(3)	Compulsory	Course Work Type	Bonus (in %)	
<b>Core Qualification</b> Compulsory Courses: 198 LP Optional Courses: 0 LP													
1	Elektrotechnik I: Gleichstromnetzwerke und elektromagnetische Felder / Electrical Engineering I: Direct Current Networks and Electromagnetic Fields	DE	Prof. Kuhl	E-9	C	CM	6	Y	KL				
1	Informatik für Ingenieure - Einführung & Überblick / Computer Science for Engineers - Introduction and Overview	DE / EN	Prof. Fey	E-13	C	CM	6	Y	KL	N	TE	10	
1	Mathematik I / Mathematics I	DE	Prof. Taraz	E-10	C	CM	8	Y	KL	Y	ÜA	10	
1	Praxismodul 1 im dualen Bachelor / Practical module 1 (dual study program, Bachelor's degree)	DE	Dr. Haschke	0-SLS	C	CM	6	N	SA				
1	Technische Mechanik I (Stereostatik) / Engineering Mechanics I (Stereostatics)	DE	Prof. Kriegesmann	M-24	C	CM	6	Y	KL				
1-2	Grundlagen der Werkstoffwissenschaften / Fundamentals of Materials Science	DE	Prof. Weißmüller	M-22	C	CM	6	Y	KL				
2	Elektrotechnik II: Wechselstromnetzwerke und grundlegende Bauelemente / Electrical Engineering II: Alternating Current Networks and Basic Devices	DE	Prof. Becker	E-6	C	CM	6	Y	KL	N	MT	10	
2	Grundlagen der Konstruktionslehre / Fundamentals of Mechanical Engineering Design	DE	Prof. Krause	M-17	C	CM	6	Y	KL				
2	Informatik für Ingenieure - Programmierkonzepte, Data Handling & Kommunikation / Computer Science for Engineers - Programming Concepts, Data Handling & Communication	DE	Prof. Fröschle	E-15	C	CM	6	Y	KL	N	TE	10	
2	Mathematik II / Mathematics II	DE	Prof. Taraz	E-10	C	CM	8	Y	KL	Y	ÜA	10	
2	Praxismodul 2 im dualen Bachelor / Practical module 2 (dual study program, Bachelor's degree)	DE	Dr. Haschke	0-SLS	C	CM	6	N	SA				

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2	Technische Mechanik II (Elastostatik) / Engineering Mechanics II (Elastostatics)	DE	Prof. Cyron	M-15	C	CM	6	Y	KL			
3	Elektrotechnik III: Netzwerktheorie und Transienten / Electrical Engineering III: Circuit Theory and Transients	DE	Prof. Kölpin	E-3	C	CM	6	Y	KL			
3	Mathematik III / Mathematics III	DE	Prof. Lindner	0-UNIHH-M	C	CM	8	Y	KL			
3	Praxismodul 3 im dualen Bachelor / Practical module 3 (dual study program, Bachelor's degree)	DE	Dr. Haschke	0-SLS	C	CM	6	N	SA			
3	Technische Mechanik III (Dynamik) / Engineering Mechanics III (Dynamics)	DE	Prof. Seifried	M-13	C	CM	6	Y	KL	N	MT	20
3-4	Konstruktionslehre Gestalten / Mechanical Engineering: Design	DE	Prof. Krause	M-17	C	CM	6	Y	KL	Y	SA	0
										Y	SA	0
										Y	SA	0
										Y	SA	0
4	Fertigungstechnik / Production Engineering	DE	Prof. Dege	M-18	C	CM	6	Y	KL			
4	Mathematik IV / Mathematics IV	DE	Prof. Lindner	0-UNIHH-M	C	CM	6	Y	KL			
4	Numerische Mechanik / Computational Mechanics	DE	Prof. Seifried	M-13	C	CM	6	Y	KL	N	MT	15
										N	ÜA	5
4	Praxismodul 4 im dualen Bachelor / Practical module 4 (dual study program, Bachelor's degree)	DE	Dr. Haschke	0-SLS	C	CM	6	N	SA			
4	Signale und Systeme / Signals and Systems	DE / EN	Prof. Bauch	E-8	C	CM	6	Y	KL			
4	Technische Thermodynamik I / Technical Thermodynamics I	DE	Prof. Speerforck	M-21	C	CM	6	Y	KL			
5	Grundlagen der Betriebswirtschaftslehre / Foundations of Management	DE	Prof. Ihl	W-11	C	CM	6	Y	FFA			
5	Grundlagen der Regelungstechnik / Introduction to Control Systems	DE	NN	E-14	C	CM	6	Y	KL			
5	Messtechnik für Maschinenbau / Measurement Technology for Mechanical Engineers	DE / EN	Prof. Kern	M-4	C	CM	6	N	FFA	Y	FFST	0
5	Praxismodul 5 im dualen Bachelor / Practical module 5 (dual study program, Bachelor's degree)	DE	Dr. Haschke	0-SLS	C	CM	6	N	SA			
5	Simulation und Entwurf mechatronischer Systeme / Simulation and Design of Mechatronic Systems	DE	Prof. Seifried	M-13	C	CM	6	Y	KL			
5	Technische Thermodynamik II / Technical Thermodynamics II	DE	Prof. Speerforck	M-21	C	CM	6	Y	KL			
6	Elektrische Maschinen und Antriebe / Electrical Machines and Actuators	DE	Prof. Kern	M-4	C	CM	6	Y	FFA			

		Module					Examination			Course Work		
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6	Halbleiterschaltungstechnik / Semiconductor Circuit Design	DE	NN	E-9	C	CM	6	Y	KL			
1-6	Theorie-Praxis-Verzahnung im dualen Bachelor / Linking theory and practice (dual study program, Bachelor's degree)	DE	Dr. Haschke	0-SLS	C	CM	6	N	SA			
<b>Thesis</b> Compulsory Courses: 12 LP Optional Courses: 0 LP												
6	Bachelorarbeit im dualen Studium / Bachelor thesis (dual study program)		Professoren der TUHH	0-TUHH	C	CM	12	Y	AB			

### Explanation:

<sup>1</sup>C=Compulsory, EC=Elective Compulsory

<sup>2</sup>CM=Compulsory Defined Module, OM=Optional Defined Module

<sup>3</sup>KL=Written exam, MT=Midterm, SA=Written elaboration, FFA=Subject theoretical and practical work, FFST=Subject theoretical and practical work, AB=Thesis, ÜA=Exercices, TE=Attestation

<sup>4</sup>CP=Credit Points

<sup>5</sup>VL=Lecture, SE=Seminar, GÜ=Recitation Section (small), PBL=Project-/problem-based Learning, PR=Practical Course, HÜ=Recitation Section (large), IV=Integrated Lecture

<sup>6</sup>DE=German, EN=English, DE/EN=German and English

<sup>7</sup>SWS=Contact hours