

Module Overview M.Sc. Mechatronik - 8 Semesters

Degree programme guidelines as per 01.10.2023, Version: 01.06.2024 (SB2024II)

The degree programme consists of 120 Credit Points (CP) in total:

Basic Area:	29 - 32 CP	■	General Studies:	6 - 12 CP	■
Subject Area Mechatronics:	46 - 55 CP	■	Master's Thesis:	30 CP	■

Language of Tuition:
GERMAN
Certificates required



This leads to the following *possible* part-time semester course schedule:

1. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester	7. Semester	8. Semester	
Microtechnical Systems* (4-5 CP)	Dynamic Systems* (4-6 CP)					Master's Thesis (30 CP)		
Modeling, simulation and optimization (7 CP)	Machine Learning* (6 CP)							
Real-time Applications and Communication with Microcontrollers and programmable Logic Devices (4 CP)	Subject Area Mechatronics - Elective Area (18 - 53 CP) - Advanced Design Project (ADP) and seminars (2 - 37 CP) <i>Min. 2 modules; at least one ADP or seminar must be chosen from 2 different subject areas</i> - Internship (max. 1 modul) (0 - 35 CP) (46 - 55 CP)							
	General Studies <i>Selected modules in the humanities and social sciences; entrepreneurship and management; engineering and natural sciences; languages, soft skills as well as insight into professional life.</i> (6 - 12 CP)							
Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP		Ø 15 CP	Ø 15 CP

* Exactly one module must be taken