Module Overview M.Sc. Mechatronics - 8 Semesters

Degree programme guidelines as per 01.10.2023, Version: 01.10.2023 (SB2023II)

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

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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	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) *Min. 2 modules; at least one ADP or seminar must be chosen from 2 different subject areas* - **Internship** *(max. 1 modul)* (0 - 35 CP) **(46 - 55 CP)**						
	General Studies *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.* **(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