

Module Overview M. Sc. Mechatronics (8 Semesters)

Degree Programme Guidelines as per 01.10.2014, Version 01.10.2016

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

- ▶ **Mandatory Subject Area:** 31-34 CP ■
- ▶ **Elective Subject Area:** 44-47 CP ■
- ▶ **Studium Generale:** 12 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* (min. 4 CP, max. 5 CP)	Real Time Applications and Communication with Microcontrollers and programmable Logic Devices (4 CP)	Dynamic Systems** (min. 4 CP, max. 6 CP)	Digital Control Systems I (4 CP)			Master's Thesis (30 CP)			
Applied Product Development (4 CP)	System Dynamics and Automatic Control Systems II (7 CP)		Modelling and Simulation (4 CP)						
Elective Subject Area**** (44-47 CP)									
Studium Generale*** (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

* Electromechanical Systems I or Microsystem Technology.

** System Dynamics and Automatic Control Systems III or Advanced Structural Dynamics.

*** All modules from the departments 1, 2, 3, 15 as well as the Language Resource Centre and certain modules from other departments. Maximum of 4 modules.

**** Modules from the Elective Subject Areas: Electrical Engineering and Information Technology and Mechanical Engineering (without ADP, seminars and internships) as well as ADP, seminars, internships and InfINat. The relevant catalogues can be found within the Degree Programme Guidelines.