

# Module Overview M. Sc. Mechatronics (6 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		
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 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP			Ø 20 CP	Ø 20 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.