## Module Overview M. Sc. Mechatronics (6 Semesters)

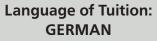
Degree Programme Guidelines as per 01.10.2014, Version 01.10.2016

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



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.