STUDIENINHALTE

SEM. MODULE OVERVIEW

MECHATRONICS BACHELOR

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1	Maths 1: Analysis 1	Maths 2: Linear Algebra 5	Mechanics 1: CAD and Technical Drawing	Computer Science 1: Basics and Programming 5	Electronics 1: Electrical Eng. + Lab	Mechatronics 1: Basics 5	30
2	Maths 3: Analysis 2	Science 1: Fundamental of Physics 5	Mechanics 2: Statics and Mechanics of Materials 5	Computer Science 2: Object Oriented Programming 5	Electronics 2: Analog Circuits + Lab	Mechatronics 2: Metrology + Lab	30
3	Maths 4: Numerical Analysis	Science 2: Electrodynamics	Mechanics 3: Kinetics and Engineering Design 5	Computer Science 3: Application Programming 5	Electronics 3: Digital Circuits + Lab	Mechatronics 3: Sensors and Control	30
4	Specialization Module 1 5	Specialization Module 2 5	Science 3: Materials	Sustainability 1: Energy 5	Mechatronics 4: Electric Drives	Mechatronics 5: Modeling and Simulation 5	30
5	Specialization Module 3	Specialization Module 4 5	German B2 5	Scientific Project 5	Mechatronics 6: Microcontroller	Mechatronics 7: Robotics	30
6	Company Internship 30						30
7	Bachelor Thesis Elective 1 Elective 2 Sustainability 2						
			15	5	5	5	30

ECTS