

Semester 5, 6, 7	Bachelor's Thesis		General Elective + Soft Skills		Engineering- and Lab- Project
	Expert Engineering and Management Skills Software Engineering and Object oriented Programming Control Systems Sensors and Drives Project and Quality Management	Specialization Modules for Future Technologies - Energy Science and Technology - Sustainable Mobility - Environmental Engineering - Data Based Engineering - Robotics and Cyberphysical Systems	Compulsory Elective Module e.g. - Electrical Power Systems / Smart Grids - Energy storage & conversion / Battery Technologies - Distributed Systems / Automation Technology - Power Electronics / Sensors and Drives - Digital Control Systems / Robotics - System Architecture / Deep Learning- AI - Vehicle technology, driver assistance systems - ...		
4	(International) Integrated Practical Semester				
Semester 1, 2, 3	Scientific Foundations: Math I - II Statistics and Probability Calculus Multivariable Calculus Physics - Concepts and Methods	Advanced Mechanical Engineering and Advanced Electrical Engineering and Information Technology Electrical Engineering and Electronics Signals and Systems Technical Mechanics Process and Material Technology Machine Dynamics		International and Language Modules Language Basics Communication and Intercultural Competences	Project- Based Learning Hands on Experience/ Interdisziplinäre Lab Electrical Engineering & Physics / Microprozessor Systems
		Engineering Fundamentals: Electrical Engineering Programming Machine Design and CAD Basics Concepts of Sustainability			