

Grundstudium		Hauptstudium				
Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7
5 ECTS Language Basics (DE)	5 ECTS Communication and Intercultural Competences (DE)	5 ECTS Process and Material Technologies (EN)	30 ECTS Praxissemester	5 ECTS Control Systems (DE)	5 ECTS Project and Quality Management (EN)	12 ECTS Bachelorarbeit (DE/EN)
5 ECTS Hands-On experience (EN+DE)	5 ECTS Physics (EN)	5 ECTS Machine Dynamics (EN)		5 ECTS Software Engineering + Object Oriented Programming (EN)	5 ECTS Compulsory Elective Module (DE/EN)	
5 ECTS Machine Design and CAD (EN)	5 ECTS Technical Mechanics (EN)	5 ECTS Signals and Systems (DE)		5 ECTS Sensors and Drives (EN)	5 ECTS Compulsory Elective Module (DE/EN)	12 ECTS Project (DE/EN)
5 ECTS Mathematics 1 (EN)	5 ECTS Mathematics 2 (EN)	5 ECTS Mathematics 3 (EN)		5 ECTS Fluid Dynamics and Thermodynamics (DE)		
5 ECTS Electrical Engineering (EN)	5 ECTS Programming (EN+DE)	5 ECTS Microprocessor Systems (EN)		25 ECTS Specialization Modules: – Energy Science and Technology – Sustainable Mobility – Environmental Engineering – Data Based Engineering – Robotics and Cyberphysical Systems (DE/EN)		
5 ECTS Basic Concepts of Sustainability (EN)	5 ECTS Electronics (EN)	5 ECTS Lab Project (DE)			4 ECTS General Studies (DE)	

Legende

— Pflichtfächer

— Wahlfächer + Vertiefungsrichtungen

— Praxissemester

— Abschlussarbeit

ECTS Leistungspunkte / European Credit Transfer System