Curriculum of Automation and Robotics																											
ECTS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1W	Introduction to Advanced Mathematics					Scientific Basics					Soft Skills and Culture			Academic English Skills					German Basics 1 Level A1)					German Basics 2 Level A2)					
2S	Mathematics 1					Mechanics 1					Measurement Technology					Fundamentals of Electrical Engineering					Programming (Python)				German Basics 3 (Level B1.1)				
3W	Mathematics 2					Mechanics 2					Fluid Mechanics					Fundamental of Business Administration					Fundamentals of Computer based Measurement				Technical German 1 (Level B1.2)				
4S	Mathematics 3					Mathematical Applications (Python)					Thermodynamics					Control Systems					Electrical Drives, Power Grids and Safety				Technical German 2 (Level B2.1)				
Content Integrated Language learning																														
5W	Computermesstechnik (Computer based Measurement Technology)					Softwareentwicklung in der Automatisierungstechnik (Software Development in Automation)					Robotik Robotics					Signale und Systeme (Signal and Systems)					Wahlpflichtfach 1 (Elective Subject 1)				Technical German 3 (Level B2.2)				
6S	Automatisierungstechnik (Factory Automation)					Motion Control					Seminar Automatisierung-stechnik und Robotik (Seminar Automation & Robotics)					Industrielle Bildverarbeitung (Industrial Image Processing)					Wahlpflichtfach 2 (Elective Subject 2)				Introduction in Scientific Writing (Level C1.1)				
7W	Industrial Internship - Industriepraktukum																									(Block) Seminars accompanying Internship				
8S	Bachelor Thesis												Bachelor Colloquium			Engineering Project									Wahlpflichtfach 3 (Elective Subject 3)				

Language Learning