

English-taught work-integrated study-programme **Mechatronics and Automation** (MAP) Campus Gütersloh

1st semester	2nd semester	3rd semester	4th semester	5th semester	6th semester	7th semester
Principles of Economics	Innovation & Project Management	Engineering Mechanics – Statics and Strength of Materials	Engineering Mechanics - Kinematics and Kinetic	Basics of Mechanical Design	Mechatronic Systems 1	Mechatronic Systems 2
Future Technologies & Sustainability	Electrical Engineering 1	Electrical Engineering 2	Electrical Measurement Technology	Electrical Machines	Control Technology	Drive Technology
Introduction to German Culture & Language / Intercultural Communication ¹	Physics	Digital Electronics	Semiconductor Devices and Circuits	Measuring Systems and Sensor Technology	Power Electronics	
Basics of Programming	Object Oriented Programming	Databases		Industrial Automation Technology	Microcontroller Programming	Industrial Communication
Mathematics I	Mathematics II	Mathematics III	Statistics			Bachelor - Thesis
			Work-related module ² (180 h)	Work-related module ² (180 h)	Work-related module ² (180 h)	
(25 CP / 20 SWS)	(25 CP / 20 SWS)	(25 CP / 20SWS)	(26 CP / 16 SWS)	(26 CP / 16 SWS)	(26 CP / 16 SWS)	(27 CP / 12SWS)

Legend: **Engineering**, **Business Administration**, **Computer Science**, **Mathematics**, **interdisciplinary module**

¹ For German-speaking students

² Work-related project at a company