

1	Computer Based Measurement and Control 6 ECTS	Sensor Technology 6 ECTS	Mathematical Data Analysis 6 ECTS	German 6 ECTS	Electives, e.g. <ul style="list-style-type: none"> • Chemical Sensors • Methods of Instrumental Analysis • Optical Methods and Technologies • Instrumentation for Nanoscience and Materials Design • Industrial Electronics • Design of Experiments 6 ECTS	Practical Project, German History and Culture, SPS/IPC/Drives 6 ECTS
Coburg						
2	Semester abroad 24 ECTS to choose plus German, in total 30 ECTS	Siena <ul style="list-style-type: none"> • Digital Embedded Electronics for Smart Industry (9 ECTS) • Modern Communication Technologies for 5G and Beyond (9 ECTS) • Industrial Reliability and Safety Engineering (6 ECTS) • Mobile Communication and IoT (6 ECTS) • Sensors and Microsystems (6 ECTS) • Cybersecurity (6 ECTS) • Virtual Instrumentation and Digital Embedded Electronics (6 ECTS) 		German/Italian/Chinese 6 ECTS	Shanghai <ul style="list-style-type: none"> • Photoelectric Detection (6ECTS) • Nanometrology (6 ECTS) • Digital Signal Processing (6 ECTS) • Automotive Electronics (3 ECTS) • Internet of Things (3 ECTS) • Photoelectric Imaging and Processing (3 ECTS) 	
Siena or Shanghai						
3	Practical Internship 21 ECTS					
Companies						
4	Master Thesis and Master Thesis Presentation 33 ECTS					
Companies						