<table>
<tr><td>1
Coburg</td><td>Computer Based Measurement and Control

6 ECTS</td><td>Sensor Technology

6 ECTS</td><td>Mathematical Data Analysis

6 ECTS</td><td>German

6 ECTS</td><td>Electives, e.g.

• Chemical Sensors
• Quality Management
• Design of Experiments
• Medical Imaging Technology

6 ECTS (2x3 ECTS)</td><td>Practical Project, SPS/IPC/Drives

6 ECTS</td></tr>
<tr><td>2
Siena or Shanghai</td><td>Semester abroad

24 ECTS
to choose plus German, in total 30 ECTS</td><td colspan="2">Siena, e.g.:
• Virtual Instrumentation and Digital Embedded Electronics (6 ECTS)
• Sensors and Sensing systems (with lab) (9 ECTS)
• Industrial Reliability and Safety Engineering (6 ECTS)
• Biotech Instrumentation (6 ECTS)
• Sensors and Microsystems (6 ECTS)
• Cybersecurity (6 ECTS)
• Manufacturing Strategies and Operations (6 ECTS)
• Production Planning (6 ECTS)</td><td>German/Italian/ Chinese

6 ECTS</td><td colspan="2">Shanghai, e.g.:
• Photoelectric Detection (6 ECTS)
• Photoelectric Imaging and Processing (6 ECTS)
• Machine Learning (6 ECTS)
• Packaging (3 ECTS)
• Automotive Electronics (3 ECTS)
• Semiconductor Devices and Physics (3 ECTS)</td></tr>
<tr><td>3
Comp.</td><td colspan="6">Practical Internship
21 ECTS</td></tr>
<tr><td>4
Comp.</td><td colspan="4">Project Work and Master Thesis
30 ECTS</td><td colspan="2">Master thesis presentation
3 ECTS</td></tr>
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