

Annex 1: English language modules for the acquisition of missing competences

Module name	Type of module	Language of Instruction	ECTS	Format	
Business Application Re-engineering – Legacy Systems Architectures and Modernisation for Digital Transformation	Elective	English	5	Online	Virtuelle Hochschule Bayern (VHB)
Engineering Mathematics 2	Mandatory module	English	5	On-site	Robotics
Foundations of Distributed Systems	Mandatory module	English	5	Hybrid	FIW
Information Security Management	Mandatory module	English	5	On-site	FIW
Introduction to Deep Learning	Elective	English	5	On-site	FIW
IT Security	Elective	English	5	On-site	FIW
Mathematics and Statistics	Mandatory module	English	6	On-site	FWIWI
Numerical Mathematics	Mandatory module	English	5	On-site	FM+FW
Programming in C++	Elective	English	6	Online	Virtuelle Hochschule Bayern (VHB)
Rust programming for safety-critical systems	Elective	English	5	Hybrid	FIW
Software Engineering I	Mandatory module	English	5	On-site	FIW

Annex 1: English language modules for the acquisition of missing competences

Software Engineering II	Mandatory module	English	5	On-site	FIW
Statistics 1	Mandatory module	English	5	On-site	FIW
Statistics and Sensor Data Fusion	Mandatory module	English	5	On-site	Robotics
Sustainability in Digitalisation – Green-IT	Elective	English	5	Online	FIW
Tele-Experiments with Mobile Robots	Elective	English	6	Online	Virtuelle Hochschule Bayern (VHB)