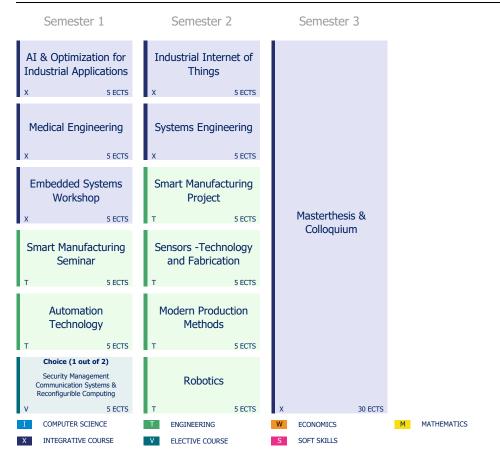
Master IT Engineering - Smart Manufacturing

Start Winter semester



Master IT Engineering - Smart Manufacturing

Start Winter semester (Recommendation for 180 ECTS Incomings)

Semester 1	Semester 2	Semester 3	Semester 4
Fundamental Programming Structures o secres	Elective Qualification Course 0 5 ECTS	Elective Qualification Course 0 5 ECTS	
Discrete Mathematics	Industrial Internet of Things	Embedded Systems Workshop	
Q 5 ECTS	X 5 ECTS	X 5 ECTS	
Elective Qualification Course	Robotics	AI & Optimization for Industrial Applications	
O 5 ECTS	X 5 ECTS	X 5 ECTS	Masterthesis & Colloquium
Elective Qualification Course	Systems Engineering	Smart Manufacturing Seminar	Colloquium
Q 5 ECTS	X 5 ECTS	T 5 ECTS	
Medical Engineering	Sensors -Technology and Fabrication	Smart Manufacturing Project	
X 5 ECTS	T 5 ECTS	T 5 ECTS	
Choice (1 out of 2) Security Management Communication Systems & Reconfigurible Computing	Modern Production Methods	Automation Technology	
V 5 ECTS	T 5 ECTS	T 5 ECTS	X 30 ECTS
I COMPUTER SCIENCE X INTEGRATIVE COURSE	T ENGINEERING V ELECTIVE COURSE	W ECONOMICS S SOFT SKILLS	M MATHEMATICS
X INTEGRATIVE COURSE	V ELECTIVE COURSE	SUFI SKILLS	

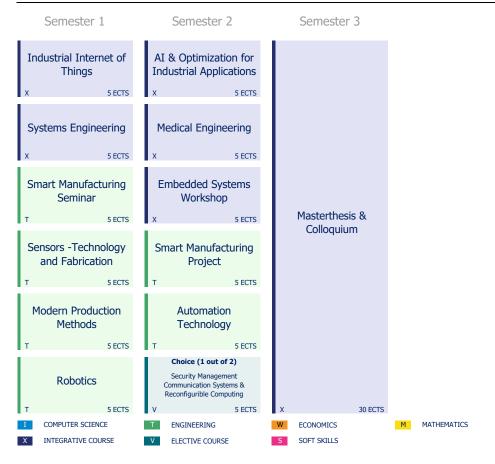
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Summer semester	Winter semester	Summer and winter semester
Advanced Programming Features	Applications of AI	Programming Project
Q 5 ECTS	Q 5 ECTS	Q 5 ECTS
Signals and Systems	Engineering Mathematics	IIot Project
Q 5 ECTS	Q 5 ECTS	Q 5 ECTS



Master IT Engineering - Smart Manufacturing

Start Summer semester



Master IT Engineering - Smart Manufacturing

Start Summer semester (Recommendation for 180 ECTS Incomings)

Semester 1	Semester 2	Semester 3	Semester 4
Fundamental Programming Structures Q 5 ECTS	Discrete Mathematics Q 5 ECTS	Elective Qualification Course	
Elective Qualification Course	Medical Engineering	Robotics	
Q 5 ECTS	X 5 ECTS	X 5 ECTS	
Elective Qualification Course	Embedded Systems Workshop	Smart Manufacturing Seminar	
Q 5 ECTS	X 5 ECTS	T 5 ECTS	Masterthesis &
Elective Qualification Course	AI & Optimization for Industrial Applications	Smart Manufacturing Project T 5 ECTS	Colloquium
Industrial Internet of Things	Automation Technology	Sensors -Technology and Fabrication	
Systems Engineering	Choice (1 out of 2) Security Management Communication Systems & Reconfigurible Computing V 5 ECTS	Modern Production Methods	X 30 ECTS
COMPUTER SCIENCE	T ENGINEERING	W ECONOMICS	M MATHEMATICS
X INTEGRATIVE COURSE	V ELECTIVE COURSE	S SOFT SKILLS	
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Winter semester	Summer semester	Summer and winter semester
Applications of AI	Advanced Programming Features	Programming Project
Q 5 ECTS	Q 5 ECTS	Q 5 ECTS
Engineering Mathematics	Signals and Systems	IIot Project
O 5 ECTS	O 5 ECTS	O 5 ECTS

