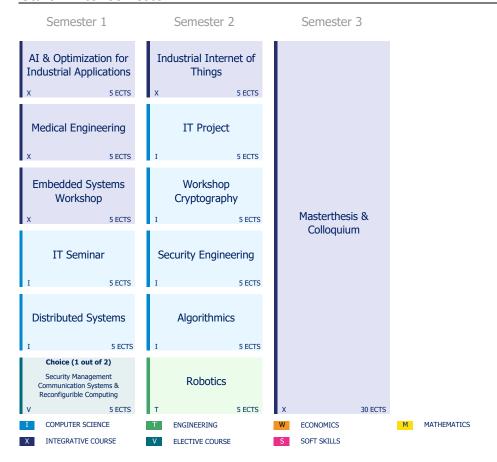
## **Master IT Engineering - IT Systems and Security**

Start Winter semester



## **Master IT Engineering - IT Systems and Security**

Start Winter semester (Recommendation for 180 ECTS Incomings)

Semester 1	Semester 2	Semester 3	Semester 4
Fundamental Programming Structures  Q 5 ECTS	Elective Qualification Course	Elective Qualification Course	
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	
Q 5 ECTS	X 5 ECTS	X 5 ECTS	Masterthesis &
Elective Qualification Course	Security Engineering	Distributed Systems	Colloquium
Q 3.EC13	1 31013	1 51013	
Medical Engineering	Algorithmics	IT Seminar	
X 5 ECTS	I 5 ECTS	I 5 ECTS	
Choice (1 out of 2)  Security Management Communication Systems & Reconfigurible Computing  V 5 ECTS	Workshop Cryptography	IT Project	X 30 ECTS
COMPUTER SCIENCE	T ENGINEERING	W ECONOMICS	M MATHEMATICS
X INTEGRATIVE COURSE	V ELECTIVE COURSE	S SOFT SKILLS	
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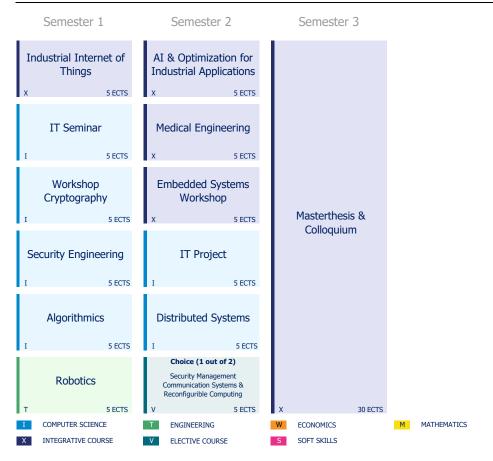
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Summer semester	Winter semester	Summer and winter semester
Advanced Programming Features	Applications of AI	Programming Project
Q 5 ECTS	Q 5 ECTS	Q 5 ECTS
Signals and Systems	Engineering Mathematics	IIot Project
Q 5 ECTS	Q 5 ECTS	Q 5 ECTS



## **Master IT Engineering - IT Systems and Security**

Start Summer semester



## **Master IT Engineering - IT Systems and Security**

Start Summer semester (Recommendation for 180 ECTS Incomings)

Semester 1	Semester 2	Semester 3	Semester 4
Fundamental Programming Structures  Q 5 ECTS	Discrete Mathematics	Elective Qualification Course	
Elective Qualification Course  Q 5 ECTS	Medical Engineering x 5 ECTS	Robotics x 5 ECTS	
Elective Qualification Course	Embedded Systems Workshop	Algorithmics  I 5 ECTS	Masterthesis &
Elective Qualification Course	AI & Optimization for Industrial Applications x 5 ECTS	Workshop Cryptography	Colloquium
Industrial Internet of Things x 5 ECTS	Distributed Systems	IT Seminar	
Security Engineering	Choice (1 out of 2) Security Management Communication Systems & Reconfigurible Computing V 5 ECTS	IT Project	X 30 ECTS
COMPUTER SCIENCE     X INTEGRATIVE COURSE	T ENGINEERING  V ELECTIVE COURSE	W ECONOMICS S SOFT SKILLS	M MATHEMATICS

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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
Q 5 ECTS	Q 5 ECTS	Q 5 ECTS

