

# Course of Study Computer Science (Study Cohort w19)

Sample course plan R Master Computer Science (CSMS)  
Specialisation Intelligence Engineering

Core qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

LP	Semester 1	Form Hrs/wk	Semester 2	Form Hrs/wk	Semester 3	Form Hrs/wk	Semester 4	Form Hrs/wk
1	<b>Robotics</b>		<b>Machine Learning and Data Mining</b>		<b>Research Project and Seminar</b>		<b>Master Thesis</b>	
2	Robotics: Modelling and Control	VL 3	Machine Learning and Data Mining	VL 2	Seminar	SE 2		
3	Robotics: Modelling and Control	UE 2	Machine Learning and Data Mining	UE 2	Project Work	PK 10		
4								
5								
6								
7	<b>Intelligent Systems in Medicine</b>		<b>Robotics and Navigation in Medicine</b>					
8	Intelligent Systems in Medicine	VL 2	Robotics and Navigation in Medicine	VL 2				
9	Intelligent Systems in Medicine	UE 1	Robotics and Navigation in Medicine	UE 1				
10	Intelligent Systems in Medicine	PS 2	Robotics and Navigation in Medicine	PS 2				
11								
12								
13	<b>Intelligent Autonomous Agents and Cognitive Robotics</b>		<b>Applied Humanoid Robotics</b>					
14	Intelligent Autonomous Agents and Cognitive Robotics	VL 2	Applied Humanoid Robotics	PBL 6				
15	Intelligent Autonomous Agents and Cognitive Robotics	UE 2						
16								
17								
18								
19	<b>Industrial Process Automation</b>				<b>Digital Audio Signal Processing</b>			
20	Industrial Process Automation	VL 2			Digital Audio Signal Processing	VL 3		
21	Industrial Process Automation	UE 2			Digital Audio Signal Processing	HÜ 1		
22								
23								
24								
25	<b>Mathematical Image Processing</b>				<b>Advanced Topics in Control</b>			
26	Mathematical Image Processing	VL 3			Advanced Topics in Control	VL 2		
27	Mathematical Image Processing	UE 1			Advanced Topics in Control	UE 2		
28								
29								
30								
Business & Management (from catalogue) - 6LP								
Non-technical Courses for Master (from catalogue) - 6LP								

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.

