



National Research University Higher School of Economics (HSE)

Curriculum

Field of study 11.04.02 Infocommunication Technologies and Systems

Educational Programme "Internet of Things and Cyber-physical Systems"

Trajectories: "Artificial Intelligence Software and Hardware", "Internet of Things"

Implementing unit: Tikhonov Moscow Institute of Electronics and Mathematics, HSE - Moscow

2 nd, 2024/2025 academic year

APPROVED

10.04.2024

Vice Rector

ROSHCHIN S.Y.

Signed with EDS

Length of Programme: 2 years

Years of Study: 2023/2024 - 2024/2025

Mode of Study: Full Time

Degree: Master's degree / MBA

Block Code	Course	Subject type	Department	Credits	Total Academic Hours	Contact Hours	Allocation of Contact Hours				Additional Information
							1	2	3	4	
Degree Programme				60,00	2 280	294	110	124	62	4	
Internet of Things (Applied track)				60,00	2 280	300	110	124	62	4	
Major				21,00	798	220	90	100	30		
1	Machine learning and artificial intelligence	C	School of Electronic Engineering	6,00	228	60	30	30A			
2	Methods and Systems for Processing Big Data	C	School of Electronic Engineering	6,00	228	60		30	30A		
3	Sensor data processing	C	School of Electronic Engineering	3,00	114	30	30A				
4	Building distributed systems and cloud computing	C	School of Electronic Engineering	6,00	228	70	30	40A			
Final State Certification (FSC)				3,00	114	2				2	
1	Final Qualification Paper	C		3,00	114	2				2A	
Key Seminars				6,00	228	74	20	24	30		
1	Internet of Things (mentor workshop)	C	School of Electronic Engineering	3,00	114	24	8	8	8A		
Magolego				3,00	114						
1	All-university Pool MAGOLEGO Courses	E		3,00	114						
Internship				27,00	1 026	4			2	2	
Research Internship				15,00	570	2				2	
1	-	C		15,00	570	2				2	
Professional Internship				12,00	456	2			2		
1	Work Experience Internship	C		12,00	456	2			2A		

