



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

1 st, 2023/2024 academic year

APPROVED

18.05.2023

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	438	32	84	172	136	
Internet of Things (Applied track)				54,00	2 052	370			38	40	
Major				39,00	1 482	352			30	30	
1	Ensuring interaction of IoT system elements, interfaces and protocols	C	School of Electronic Engineering	6,00	228	60			30	30A	
Key Seminars				9,00	342	86			8	8	
1	Internet of Things (mentor workshop)	C	School of Electronic Engineering	3,00	114	16			8	8A	
Magolego				6,00	228						
1	All-university Pool MAGOLEGO Courses	E		6,00	228						
Internship				6,00	228	2				2	
Project Internship				6,00	228	2				2	
1	Project	C		6,00	228	2				2A	
General Components				39,00	1 482	362	28	82	136	100	
Major				33,00	1 254	292	16	64	116	80	
Elective Courses (1 out of 2)				3,00	114	16					
1	Product management and economics of IoT/CPS	E	School of Electronic Engineering	3,00	114	30		30A			
2	IoT/CPS Development Project Management	E	School of Electronic Engineering	3,00	114	16	16A				
Обязательные дисциплины программы				30,00	1 140	276	16	64	116	80	
1	IoT/CPS Hardware	C	School of Electronic Engineering	6,00	228	60			30	30A	

