

Length of Programme: 4 years

Mode of Study: Full Time

Years of Study: 2020/2021 - 2023/2024

National Research University Higher School of Economics (HSE)

Curriculum

Field of study 09.03.01 Information Science and Computation Technology

Educational Programme "Information Science and Computation Technology"

Specializations: "Automated systems", "Computer Systems and Networks", "Elements and devices of embedded systems" Implementing unit: Tikhonov Moscow Institute of Electronics and

Mathematics, HSE - Moscow 3 rd, 2022/2023 academic year

APPROVED

04.05.2022

Vice Rector

ROSHCHIN S.Y.

Signed with EDS

Block Code	Course	Subject Department	Credits	Total Academic Hours	Contact Hours	Allocation of Contact Hours					
						1	2	3	4	Additional Information	
	Degree Progamme			60,00	2 280	787	188	218	357	360	
	Data Culture			3,00	114	6			12		
1	Programming of Web Services and Embedded Systems	С	School of Computer Engineering	3,00	114	6			6A		Online Course, Foreign language
	Major			35,00	1 330	594	142	158	310	320	
	Core Professional Block (Major)			16,00	608	284	134	150			
	Subject Areas			16,00	608	284	134	150			
	Computing Systems and Computer	er Network		3,00	114	76	36	40			
1	Computer Systems and Computer Networks	С	School of Computer Engineering	3,00	114	76	36A	40A			
	Metrology			3,00	114	30		30			
1	Basics of metrology	С	School of Electronic Engineering	3,00	114	30		30A			
	Operating Systems			3,00	114	60	30	30			
1	Operating Systems	С	School of Computer Engineering	3,00	114	60	30	30A			Online Course
	Theory of Automata and Circuitry			4,00	152	92	42	50			
1	Circuit Engineering	С	School of Computer Engineering	4,00	152	92	42A	50A			Online Course
	Electronics			3,00	114	26	26				
1	Electronics	С	School of Electronic Engineering	3,00	114	26	26A				
	Elective Professional Block (Major)			19,00	722	310	8	8	310	320	
	Блоки дисциплин по выбору			10,00	380	168			246	258	

	Автоматизированные системы	10,00	380	168			82	86			
1	Intelligent Data Processing	С	School of Computer Engineering	5,00	190	82			40	42A	
2	Design of the Systems on a Chip	С	School of Computer Engineering	5,00	190	86			42	44A	
	Вычислительные системы и ког	ипьютерн	ые сети	10,00	380	168			82	86	
1	Computer Network Design	С	School of Computer Engineering	5,00	190	86			42	44A	
2	Network Video Technologies	С	School of Computer Engineering	5,00	190	82			40	42A	
	Элементы и устройства встраив	аемых си		10,00	380	168			82	86	
1	Microcontroller Systems	С	School of Computer Engineering	5,00	190	86			42	44A	
2	Functional Units of Control Systems and Components	С	School of Computer Engineering	5,00	190	82			40	42A	
	Вариативные дисциплины по вы	бору ОП		3,00	114	70			36	34	
1	Automation of Design Works	С	School of Computer Engineering	3,00	114	70			36	34A	
	Научно-исследовательский/Прое	ктный сеі		6,00	228	72	8	8	28	28	
1	Project Seminar "Programming Tools and Technologies"	С	School of Computer Engineering	3,00	114	40			20	20A	
2	Project Seminar "Fundamentals of Production Technology and Machine Learning"	С	School of Computer Engineering	3,00	114	32	8	8A	8	8A	
	Minor			10,00	380	152	38	38	38	38	
1	Minor	С		10,00	380	152	38	38A	38	38A	
	English					3			3		
	Examinations					3			3		
1	· · · · · · · · · · · · · · · · · · ·	С	School of Foreign Languages			3			3A		Foreign language
	General Courses			4,00	152	30	8	22			
	Optional General Courses			4,00	152	30	8	22			
1	Legal Literacy	С	департамент права цифровых технологий и биоправа	4,00	152	30	8	22A			Online Course
	Internship			8,00	304	2				2	
	Project Internship			5,00	190	2				2	
1	Исследовательский или прикладной проект	E		5,00	190	2				2A	
	Professional Internship			3,00	114						
1	Work Experience Internship	С		3,00	114						

Curriculum agreed:

Academic Supervisor POLESSKIY S.N. 30.04.2022

Dean KROUK E.A. 30.04.2022

Head of Degree Programmes Development Office	LEPESHKIN I.A.
* Subject type:	
Compulsory course	С
Elective course	E
Optional course	0

04.05.2022