

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 4 th, 2023/2024 academic year

APPROVED

16.03.2023

Vice Rector

ROSHCHIN S.Y.

Signed with EDS

Degree: Ba	chelor's degree									-	
Block Code	Course	Subject Department type				Allocation of Contact Hours					
			Department	Credits	Total Academic Hours	Contact Hours	1	2	3	4	Additional Information
	Degree Progamme				2 280	294	98	104	88	6	
	Major Elective Professional Block (Major) Блоки дисциплин по выбору Автоматизированные системы			36,00	1 368	254	82	88	84		
				36,00	1 368	254	82	88	84		
				23,00	874	224	74	74	76		
				23,00	874	224	74	74	76		
1	High-Level Modelling and Simulation of Digital Systems	С	School of Computer Engineering	9,00	342	76	20	20A	36A		
2	System Design of Digital Devices	С	School of Computer Engineering	8,00	304	86	20A	26	40A		
3	Artificial Intelligence Systems	С	School of Computer Engineering	6,00	228	62	34	28A			
	Вычислительные системы и ком	ипьютерн	ые сети	23,00	874	224	74	74	76		
1	Multimedia Technologies	С	School of Computer Engineering	9,00	342	76	20	20A	36A		
2	Network Administration Practice	С	School of Computer Engineering	6,00	228	62	34	28A			
3	Web Application Design	С	School of Computer Engineering	8,00	304	86	20A	26	40A		
	Элементы и устройства встраиваемых систем			23,00	874	224	74	74	76		
1	Embedded and Distributed Control Systems	С	School of Computer Engineering	9,00	342	76	20	20A	36A		
2	Standard and Custom Interfaces	С	School of Computer Engineering	6,00	228	62	34	28A			

3	Digital Signal Processing	С	School of Computer Engineering	8,00	304	86	20A	26	40A		
	Вариативные дисциплины по выбору ОП				342	14		6	8		
1	Information Protection	С	Department of Computer Security	5,00	190	8			8A		Online Course
2	Mobile Applications Development		School of Computer Engineering	4,00	152	6		6A			Online Course, Foreign language
	Научно-исследовательский/Проектный семинар			4,00	152	16	8	8			
1	Project Seminar "Project Documentation"	С	School of Computer Engineering	4,00	152	16	8	8A			
	English		1,00	38	2			2			
	Optional Courses										
1	Academic Writing	0		2,00	76	48		28	20A		Foreign language, Credits only to the cumulative rating
	Examinations				38	2			2		
1	Project Proposal	С	School of Computer Engineering	1,00	38	2			2A		Foreign language
	Final State Certification (FSC)			3,00	114	2				2	
	Thesis Work			3,00	114	2				2	
1	Presenting of Graduation Thesis	С		3,00	114	2				2A	
	General Courses		4,00	152	30	14	16				
	Optional General Courses			4,00	152	30	14	16			
1	Economics	С	Department of Theoretical Economics	4,00	152	30	14	16A			Online Course
	Internship			16,00	608	6	2		2	4	
	Research Internship			16,00	608	6			2	4	
1	Qualifying Internship	С		4,00	152	2			2A		
2	Preparation of Graduation Thesis	С		8,00	304	2				2	
3	Graduation Internship	С		4,00	152	2				2A	
	Professional Internship						2				
1	Work Experience Internship	С				2	2A				

Curriculum agreed:

Academic Supervisor POLESSKIY S.N. 20.02.2023

KROUK E.A. Dean 20.02.2023

Head of Centre for

Educational Model Design LEPESHKIN I.A. 03.03.2023

* Subject type:

Compulsory course С Ε

Elective course О

Optional course