

## National Research University Higher School of Economics (HSE)

## Curriculum

Field of study 09.03.04 "Software Engineering"  
Educational Programme "Software Engineering"APPROVED by  
Vice RectorFaculty of Economics, Management and Business Informatics, Perm  
2nd, 2019/2020 year of study

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Length of Programme: 4 years  
Years of Study: 2018/2019 - 2021/2022  
Mode of Study: Full Time  
Degree: Bachelor's DegreeNumber of Students: 66  
Number of Groups: 3

Block Code	Course	Department	Credits	Total Academic Hours	Contact Hours	Allocation of Contact Hours				Additional Information
						1	2	3	4	
Total Academic Hours of Educational Programme			<b>60</b>	<b>2380</b>	<b>700</b>	<b>168</b>	<b>192</b>	<b>210</b>	<b>130</b>	
Courses of the General Programme Part				<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
2	Physical Training	Department of Physical Training		100	94	24	22A	24	24A	
Courses of the Professional Programme Part (Major)			<b>39</b>	<b>1482</b>	<b>546</b>	<b>126</b>	<b>150</b>	<b>168</b>	<b>102</b>	
Basic Components			<b>39</b>	<b>1482</b>	<b>546</b>	<b>126</b>	<b>150</b>	<b>168</b>	<b>102</b>	
6	Computer System Architecture	Department of Information Technologies in Business	4	152	60	30	30A			
7	Operating Systems	Department of Information Technologies in Business	4	152	46			22	24A	
8	Probability Theory and Mathematical Statistics	Department of Higher Mathematics	5	190	64	32	32A			
9	Statistical and Empirical Methods of Computing	Department of Information Technologies in Business	5	190	70			36	34A	
10	Algorithms and Data Structures	Department of Information Technologies in Business	8	304	110	50A	40	20A		Online Course
11	Databases	Department of Information Technologies in Business	5	190	76		32	44A		
12	Software Design	Department of Information Technologies in Business	8	304	120	14	16	46	44A	
Extra Profile (Minor)			<b>10</b>	<b>380</b>	<b>112</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>28</b>	
1	Minor		10	380	112	28	28A	28	28A	
Internships, Projects and/or Research Activity			<b>11</b>	<b>418</b>	<b>42</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>0</b>	
Internship			<b>3</b>	<b>114</b>	<b>0</b>				<b>0</b>	

2	Technological Internship		3	114	2				2A	
	Research Seminar/Project Seminar		<b>3</b>	<b>114</b>	<b>42</b>	<b>14</b>	<b>14</b>	<b>14</b>		
1	Research Seminar	Department of Information Technologies in Business	3	114	42	14	14	14A		
	Term Papers		<b>5</b>	<b>190</b>	<b>0</b>			<b>0</b>		
1	Term Paper		5	190	2			2A		

A Interim assessment