

National Research University Higher School of Economics (HSE)
Basic Curriculum
Field of study 09.04.04. "Software Engineering" Master's Programme
Master's Programme "System and Software Engineering"
Faculty of Computer Science

Length of Programme: 2 Years
Total credits: 120
Mode of Study: Full Time
Degree: Master's degree
Language of instruction: English

	Components	Credits by Years		Final Assessment
		1	2	
	Total	60	60	
	Block 1. Courses	43	27	
	Components of the Field of Study	15		
1	Applied System Analysis	5		Exam
2	Formal Methods in Software Engineering	10		Exam
	Components of Educational Program	28	27	
1	Software Engineering Methodology	5		Exam
2	Advanced Databases	5		Exam
3	Enterprise Software Systems Development	5		Exam
4	Financial and Non-Financial Information about the Company	5		Exam
5	Data Analysis	5		Exam
6	University Pool Courses (MAGOLEGO)	3		Exam
7	Software Business Management		6	Exam
8	Software Risk Management		6	Exam
9	Effective Management of Virtual Teams		6	Exam
10	Psychology of Software Development Team Management		5	Exam
11	Data Centers in the Modern Information Infrastructure		4	Exam
	Block 2. Internship, Project and Research work	17	30	
	Research Work	11	23	
1	Graduation Thesis Preparation		16	
2	Research Seminar "Software Engineering: Development Management"	5	7	Exam
3	Term Paper	6		Exam
	Project	3		
1	Research Project	3		Exam
	Internship	3	7	
1	Science Pedagogical Internship		3	Exam
2	Science and Research Internship	3	4	Exam
	Block 3. Final State Certification		3	
1	Graduation Thesis Defense		3	Exam