## Curricular structure of the Master's program in Software Engineering (120 ECTS)

		Distribution by semesters			S
No.	Name of the course	Exams	Tests	Individual assignments	Number of ECT credits
1	2	3	4	5	6
1	Compulsory educational components				84.0
1.1	General training				14.00
GT 1	Foreign language for professional purposes		1-2		4.0
GT 2	English for academic purposes	3-4			4.0
GT 3	Intellectual property		1	Essay	3.0
GT 4	Innovative entrepreneurship and startup project management		3	Essay	3.0
1.2	Special (professional) training				32.00
PT 1	Intelligent systems software		3	Project	5.0
PT 2	Formal methods of software systems research	1			3.0
PT 3	Fundamentals of intelligent systems design	1			3.0
PT 4	Scientific school of the department	1			3.0
PT 5	Project management in software engineering	2			4.0
PT 6	Decision support models and methods	2			4.0
PT 7	Models and technologies for ensuring the security of intelligent systems	1			3.0
PT 8	Introduction to DevOps		2		3.0
PT 9	Big Data		4		3.0
1.3	Scientific training				39.00
ST 1	Fundamentals of scientific research		3		3.0
ST 2	Modern research directions in software engineering		3	Essay	4.0
ST 3	Philosophical problems of modern scientific cognition	4			3.0
ST 4	R&D		2,4		6.0
ST 5	Research practice		1-4		14.0
	Certification				9.0
2	Elective educational components				36.0
2.1	Specialized training				15.00
2.1.1	Specialized package of disciplines 01 "Project				15.00
	Management in Software Engineering"				
ET 1.1	Requirements analysis and management		1		5.0
ET 1.2	Project management		1		5.0
ET 1.3	Innovation and entrepreneurship		2		5.0
2.1.2	Specialized package of disciplines 02 "Cloud Computing"				15.00
ET 2.1	Databases and data warehouses		1		5.0
ET 2.2	Intelligent data analysis and knowledge mining		1		5.0
ET 2.3	Cloud Computing: cloud technologies and applications		2		5.0
2.1.3	Specialized package of disciplines 03 "Artificial intelligence and Machine Learning"				15.00
ET 3.1	Intelligent data analysis and knowledge mining		1		5.0
ET 3.2	Multi-agent systems and technologies		1		5.0

		Distribution by semesters			လ
No.	Name of the course	Exams	Tests	Individual assignments	Number of ECT credits
ET 3.3	Neural networks and computational intelligence methods		2		5.0
2.2	Elective courses of specialized training according to the list		3		3.00
2.3	Legal and psychological courses according to the list				6.00
	Discipline of psychological orientation		4		3.0
	Discipline of legal orientation		4		3.0
2.4	Elective courses of scientific and professional orientation				12.00
	Course 1		2		4.0
	Course 2		3		4.0
	Course 3		3		4.0
	Total number for the training period				