



List of credits on the specialty “Software Engineering”

BACHELOR		
NAME OF SUBJECTS	SEMESTER	CREDITS
Organization of Computer Networks	Autumn	6
Fundamentals of Programming	Autumn	6
Object-Oriented Programming	Autumn	7
Databases	Autumn	9
Components of Software Engineering	Autumn	9
Algorithms and Data Structures	Autumn	4.5
Numerical Methods in Informatics	Autumn	4
Administration and Operation with Linux OS	Autumn	3
Fundamentals of Programming	Spring	6
Fundamentals of Web Programming	Spring	5
Components of Software Engineering	Spring	9
Economics of IT industry	Spring	4
Web User Interfaces	Spring	5.5
Numerical Methods in Informatics	Spring	4.5
Distributed Databases	Spring	6
Fundamentals of Cross-Platform Programming	Spring	4

MASTER		
NAME OF SUBJECTS	SEMESTER	CREDITS
Distributed Databases Systems Engineering	Autumn	5
Distributed High-Performance Computing	Autumn	3.5
3D Modelling and Visualization	Autumn	5
Versionization and Deployment of Software Systems	Autumn	5
Mathematical Modelling of Systems and Processes	Autumn	6
Postrelational Database	Spring	5
Design of Multi-Agent Energy Infrastructures	Spring	3
Cross-Platform Technologies for the Development of Distributed Software Systems	Spring	4.5
Analysis of Big Data	Spring	5
System analysis	Spring	3.5