

Sem.	Course Name	Hours per Semester					Σ	Form of Credit	ECTS Points	
		Σ	L	Ex	Lab	Sem			ECTS	Σ
1	Differential and Difference Equations – Applications	60	30	30			390	Exam	4,0	30,0
	Mathematical Economics	60	30	30				Exam	4,0	
	Microeconometrics	45	30	15				Exam	4,0	
	Computer Networks	45	15		30			Exam	4,0	
	Distributed Computer Systems	60	30		30			Pass	4,0	
	Software Engineering	45	30		15			Pass	4,0	
	Multidimensional Data Analysis	45	30		15			Pass	4,0	
	Second Foreign Language	30		30				Pass	2,0	
2	Derivatives in Risk Management	45	15		30		375	Exam	4,0	30,0
	Survey Sampling	30	15	15				Exam	3,0	
	Operational Research – Applications	45	15		30			Exam	4,0	
	Oracle Databases	45	15		30			Pass	4,0	
	ERP/CRM Systems	60	30		30			Pass	5,0	
	Second Foreign Language	30		30				Pass	2,0	
	Master Seminar	30				30		Pass	2,0	
	Facultative Course 1, 2, 3	90	90					Pass	6,0	
3	Dynamic and Financial Econometrics	45	15		30		390	Exam	4,0	30,0
	Actuarial Methods	45	30		15			Exam	4,0	
	Modelling and Optimization of Business Processes	45	15	15	15			Exam	4,0	
	Management Information Systems	45	15		30			Exam	3,0	
	Theory of Computer Science	45	30		15			Pass	4,0	
	Statistical Analysis in the Market Research	45	30		15			Pass	4,0	
	Physical Education	30		30				Pass	1,0	
	Master Seminar	30				30		Pass	2,0	
Facultative Course 4, 5	60	60				Pass	4,0			
4	Theory of Forecasting and Simulations	60	30		30		240	Exam	6,0	30,0
	Teleinformatics	45	15	15	15			Pass	2,0	
	Business Intelligence Systems	45	30		15			Pass	2,0	
	Master Seminar	30				30		Pass	2,0	
	Facultative Course 7, 8	60	60					Pass	4,0	
	Master Thesis	0						Exam	14,0	
Total:							1395			120,0

Information Systems in Management (in English) prepares future programmers, designers and analysts of modern information systems that are used in companies. This specialty is focused on the use of high level programming languages, design and programming of the databases, as well as the design and administration of the computer networks. **Specialization starts from the first semester and lasts fourth.**