

Study program: Industrial logistics

Semester I				
Required subject				
Code	Subject	ECTS	Hours per week	Total hours
2FI100112	Math 1	8	3+2+2	216
2FP100212	Physics 1	8	3+2+2	216
UGD101312	Computer Science	6	2+2+1	156
	Optional subject from faculty 1	4	2+1+1	120
	Optional subject from faculty 2	4	2+1+1	120
Total:		30	12+8+7	828

Optional subject from faculty:

2FP130112	Internet
FP130212	Quality systems and standards
2FP130312	Production Management
2FP130412	Business informatics

Semester II				
Required subject				
Code	Subject	ECTS	Hours per week	Total hours
2FI100412	Math 2	8	3+2+2	216
2FP101212	Fundamentals of programming	6	2+2+1	156
2FP130512	Economical and technical development	6	2+2+1	156
	Optional subject from faculty 3	4	2+1+1	120
	Foreign language 1	6	2+2+1	156
	Sports and Recreation		0+0+2	24
Total:		30	11+9+8	828

Optional subject from faculty:

2FP101112	Physics 2
2FP130612	Structures and databases

Semester III				
Required subject				
Code	Subject	ECTS	Hours per week	Total hours
2FP130712	Operations research	8	3+2+2	216
2FP130812	New product development	8	3+2+2	216
2FP130912	Industrial property	6	2+2+1	156
	Optional subject from faculty 4	4	2+1+1	120
	Optional subject from faculty 5	4	2+1+1	120
Total:		30	12+8+7	828

Optional subject from faculty:

2FP131012	Information theory
2FP101512	Numerical methods
2FP131112	Information systems

Semester IV				
Required subject				
Code	Subject	ECTS	Hours per week	Total hours
2FP131212	Logistics activities	8	3+2+2	216
2FP131312	Optimization models	6	2+2+1	156
2FP131412	Decision making theory	6	2+2+1	156
	Optional subject from faculty 6	4	2+1+1	120
	Optional subject from university 2	6	2+2+1	156
Total:		30	11+9+6	804

Optional subject from faculty:

2FP131512 Hazardous Materilas Logistics

2FP131612 Industrial practice 1

Semester V				
Required subject				
Code	Subject	ECTS	Hours per week	Total hours
2FP131712	Simulation of decision making	8	3+2+2	216
2FP131812	Systems theory	8	3+2+2	216
2FP131912	Theory of processes	6	2+2+1	156
	Optional subject from faculty 7	4	2+1+1	120
	Optional subject from faculty 8	4	2+1+1	120
Total:		30	12+8+7	828

Optional subject from faculty:

2FP132012 Internet economy

2FP132112 Mining processes

2FP132212 Industrial processes in the textile industry

2FP132312 Industrial processes in the food industry

Semester VI				
Required subject				
Code	Subject	ECTS	Hours per week	Total hours
2FP132412	Logistics Systems Design	8	3+2+2	216
2FP132512	Industrial practice 2	6	2+2+1	156
2FP132612	Final exam	6	2+2+1	156
	Optional subject from faculty 9	4	2+1+1	120
	Optional subject from university 3	6	2+2+1	156
Total:		30	11+9+6	804

Optional subject from faculty:

2FP132712 Planning and projecting of logistics centres

2FP132812 Intermodal transport technology

Optional subject from university:

Code	<i>Optional subject from university (for 180/240 ECTS are selected 3/4 subjects)</i>			
First year				
UGD100112	Foreign language 1 – English 1*	6	0+0+4	156
UGD100212	Foreign language 1- Italian 1*	6	0+0+4	156
UGD100312	Foreign language 1- German 1*	6	0+0+4	156
UGD100412	Foreign language 1– French 1*	6	0+0+4	156
UGD100512	Foreign language 1- Spanish 1*	6	0+0+4	156
UGD100612	Foreign language 1 - Russian 1*	6	0+0+4	156
Second year				
UGD100712	Foreign language 2 – English 2**	6	0+0+4	156
UGD100812	Foreign language 2 – Italian 2**	6	0+0+4	156
UGD100912	Foreign language 2 - German 2**	6	0+0+4	156
UGD101012	Foreign language 2 – French 2**	6	0+0+4	156
UGD101112	Foreign language 2 – Spanish 2**	6	0+0+4	156
UGD101212	Foreign language 2 – Russian 2**	6	0+0+4	156
Third year				
UGD101412	Math	6	2+2+1	156
UGD101512	Phylosophy	6	2+2+1	156
UGD101612	Ethics	6	2+2+1	156
UGD101712	Macedonian	6	2+2+1	156
UGD101812	Entrepreneurship	6	2+2+1	156
UGD101912	Environmental protection	6	2+2+1	156
UGD102812	Contractual right	6	2+2+1	156
Fourth year				
UGD102212	Fundamentals of Tourism	6	2+2+1	156
UGD102312	Eart scieance	6	2+2+1	156
UGD102412	Physics	6	2+2+1	156
UGD102512	Biology	6	2+2+1	156
UGD102612	Health care	6	2+2+1	156
UGD102012	History of Art	6	2+2+1	156
UGD102112	National History	6	2+2+1	156