



Major field of study: **Management and Production Engineering**

Level of education: Second-cycle studies and full-time study

Educational profile: General academic

Semester 1

	Subjects		lecture	classes	laboratory	project	other	exam	ECTS
1	Strategic Management		15	15		15		1	4
2	Organization of Production Systems		15	20				1	4
3	Integrated Management Systems		15			15			2
4	Manufacturing Management Information System		10		15				2
5	Econometrics and prediction		20			15		1	4
6	Elements of Engineering Design		15		15				2
7	Integrated Manufacturing Systems		15		15				2
8	Laser and Plasma Technologies Robot Application	Alternative	15		10				2
9	Maintenance of production machines		15		15				2
10	Project Management		15			15			3
11	Applied Mathematics Managerial Economics	Alternative	10			20			3
12	Physical Education			15					1
	Total		160	50	70	80	0	3	31
					360				

Semester 2

	Subjects		lecture	classes	laboratory	project	other	exam	ECTS
1	Innovation Management		15			15			2
2	Management of Organization Development		15			15			2
3	Simulation in Enterprise		15						1
4	Decision Support and Knowledge Management Systems		30		15	15		1	4
5	Engineering Physics		15		15				2
6	Optimization Problems		15			15			2
7	Interim paper of technical issues					45			2
8	Management of Intellectual Property			15					1
9	Elective courses within specialization						120	2	14
10	Research methodology		15						1
	Total		120	15	30	105	120	3	31
					390				



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Semester 3

	Subjects	lecture	classes	laboratory	project	other	exam	ECTS
1	Elective courses	15						1
1A	Elective courses	15						1
2	The Specialist English Language			15			1	1
3	Elective courses	15						1
4	Elective courses within specialization					90		6
5	Seminar and diploma thesis					30	1	20
	Total	45	0	15	0	120	2	30
		180						

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930	325	65	115	185	240	8	92
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Specialization: Management Engineering

Semester 2

	Subjects	lecture	classes	laboratory	project	other	exam	ECTS
1	Quality Engineering	15			15		1	4
2	Flow Machines in Industry	15						2
3	Manufacturing Systems with PLC Controllers	15		15			1	3
4	Computer Visualization in Engineering Design	10		20				3
5	Elective courses	15						2
	Total	70	0	35	15	0	2	14
				120				

Semester 3

	Subjects	lecture	classes	laboratory	project	other	exam	ECTS
1	Commercialization of New Products	10			20			2
2	Elements of Industrial Design	15		15				2
3	Operational Controlling	15			15			2
	Total	40	0	15	35	0	0	6
				90				



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Specialization: Supply Chain Management

Semester 2

	Subjects	lecture	classes	laboratory	project	other	exam	ECTS
1	Instruments of Supply Chain Management	30			15		1	5
2	Logistics Processes Modelling	10		20				3
3	Inventory Management	15			15		1	4
4	Computer Visualization in Engineering Design			15				2
Total		55	0	35	30	0	2	14
				120				

Semester 3

	Subjects	lecture	classes	laboratory	project	other	exam	ECTS
1	Supply Chain Strategies	15			15			2
2	GIS in Logistics	15		15				2
3	Commercialization of New Products	10			20			2
Total		40	0	15	35	0	0	6
				90				