

CURRICULUM
Bachelor's degree program in Engineering Logistics
as of 2021/2022 academic year

ECTS Subject code T EL No													
- T – type of course: B for BEng, M for MEng;													
- I - IV semester – fundamental subjects - professional field 5.13. General Engineering													
- EL – “Engineering Logistics”;													
- No – number of the subject;													
Lectures (L), Tutorials (Tut.), Labs (Lab.), Auditorium Total (AT), Self-Study (SS), Exam (E),													
Continuous Assessment (CA), Semester Project (SP), Semester Assignment (course work) (SA).													
№	Code	SUBJECT	Semester Load						Assesment				ECTS credits
			L	Tut.	Lab.	AT	SS	Total	E	CA	SP	SA	
SEMESTER I													
1	MAT12	Mathematics I	30	30	0	60	150	210	1				7
2	PHY01	Physics	45	15	30	90	120	210	1				7
3	CHE01	Chemistry	30	0	15	45	105	150		1			5
4	CCE23	Information and Communication Technologies	30	0	45	75	165	240	1			1	8
5	LNG01	Foreign Language I	0	30	0	30	30	60		1			2
6	SPR01	Sport	0	0	0	0	30	30		1			1
Total			135	75	90	300	600	900	3	3	0	1	30
SEMESTER II													
7	MAT22	Mathematics II	30	30	0	60	120	180	1				6
8	ENG02	Engineering Graphics	30	0	45	75	105	180		1		1	6
9	MEC12	Technical Mechanics	45	15	15	75	135	210	1			1	7
10	EEA27	Basics of Electrical Engineering and Electronics	30	0	30	60	120	180	1				6
11	LNG02	Foreign Language II	0	30	0	30	30	60		1			2
12	PRC01	Practicum	0	0	0	0	60	60		1			2
13	SPR02	Sport	0	0	0	0	30	30		1			1
Total			135	75	90	300	600	900	3	4	0	2	30
SEMESTER III													
14	MAT32	Quantitative Methods and Statistics	30	30	0	60	120	180	1				6
15	MEC13	Machine Elements	30	0	30	60	120	180	1			1	6
16	MEC14	Manufacturing Technologies	30	0	30	60	120	180		1		1	6
17	ENG03	Material Science	45	0	30	75	135	210	1			1	7
18	CCE25	Internet Technologies	15	30	0	45	75	120		1			4
19	SPR03	Sport	0	0	0	0	30	30		1			1
Total			150	60	90	300	600	900	3	3	0	3	30
SEMESTER IV													
20	BEL01	Drive Systems	30	0	30	60	90	150	1				5
21	BEL02	Logistics Engineering I (Material Flows Theory)	30	0	30	60	120	180	1				6
22	BEL03	Informatics (Databases)	30	0	30	60	90	150		1		1	5
23	BEL04	Quality Control and Management	30	0	30	60	90	150	1			1	5
24	BEL05	Simulation Modeling in Logistics	30	0	30	60	60	120		1			4
25	BEL06	Drive Systems - project	0	0	0	0	60	60			1		2
26	PRC02	Practicum	0	0	0	0	60	60		1			2
27	SPR04	Sport	0	0	0	0	30	30		1			1
Total			150	0	150	300	600	900	3	4	1	2	30

№	Code	SUBJECT	Semester Load						Assesment				ECTS credits
			L	Tut.	Lab.	AT	SS	Total	E	CA	SP	SA	
SEMESTER V													
28	BEL07	Logistics Engineering II ((Inventory and supply chain management))	30	0	30	60	120	180	1				6
29	BEL08	Operations Management	30	15	0	45	75	120		1			4
30	BEL09	Materials Handling Equipment I	30	0	30	60	120	180	1				6
31	BEL10	Automation Equipment	30	0	30	60	90	150	1				5
32	BEL11	Construction and Rad Techniques	30	0	30	60	120	180		1		1	6
33	BEL12	Materials Handling Equipment I- project	0	0	0	0	90	90			1		3
Total			150	15	120	285	615	900	3	2	1	1	30
SEMESTER VI													
34	BEL13	Robotic Manufacturing Systems	30	0	30	60	90	150	1				5
35	BEL14	Technology and Organization of Transport I	30	0	30	60	90	150	1			1	5
36	BEL15	Material Handling Equipment II	30	0	30	60	90	150	1				5
37	BEL16	Commercial Law	30	0	30	60	90	150	1				5
38	BEL17	Structures, Supervision and Control of Logistic Systems	30	0	30	60	90	150		1			5
39	BEL18	Material Handling Equipment II-project	0	0	0	0	90	90			1		3
40	PRC03	Practicum	0	0	0	0	60	60		1			2
Total			150	0	150	300	600	900	4	2	1	1	30
SEMESTER VII													
41	BEL19	Ecotechnics and Technologies	30	0	15	45	75	120		1			4
42	BEL20	Technology and Organization of Transport II	30	15	0	45	75	120	1				4
43	BEL21	Reliability of Logistic Systems	30	30	0	60	90	150	1				5
44	BEL22	Logistic Management	30	15	0	45	75	120		1			4
45	BEL23	Information Technologies in Intralogistics	30	0	30	60	90	150	1				5
46	BEL24	Logistics of Material Handling and Warehouse Processes	30	0	30	60	90	150	1				5
47	BEL25	Ecotechnics and Technologies-project	0	0	0	0	90	90			1		3
Total			180	60	75	315	585	900	4	2	1	0	30
SEMESTER VIII													
48	BEL26	Commercial Exploitation Of The Transport	20	0	20	40	50	90	1				3
49	BEL27	Intermodal transport	20	20	0	40	80	120		1			4
50	BEL28	Reverse logistics	30	0	20	50	100	150	1				5
51	BEL29	Optional subject (list 1)	20	20	0	40	50	90		1			3
52	BEL30	Optional subject (list 2)	15	15	0	30	60	90		1			3
53	PRC04	Practicum	0	0	0	0	60	60					2
54	BEL31	Diploma project	0	0	0	0	300	300	Defense of diploma thesis			10	
Total			105	55	40	200	700	900	2	3	0	0	30

LIST OF THE OPTIONAL SUBJECTS

List 1 Optional subject BEL29		ECTS = 3
1	Global Logistics	BEL29.1
2	Technical Legislation and Standardization	BEL29.2
List 2 Optional subject BEL30		ECTS = 3
1	Industrial Engineering	BEL30.1
2	Business Accounting	BEL30.2

LIST OF THE FACULTATIVE SUBJECTS

№	Code	SUBJECT	Semester Load						Assesment				ECTS credits
			L	Tut.	Lab.	AT	SS	Total	E	CA	SP	SA	
SEMESTER V													
1	FaSPR05	Sport	0	0	0	0	30	30		1			1
SEMESTER VI													
1	FaSPR06	Sport	0	0	0	0	30	30		1			1
2	FaBEL01	Philosophy	30	15	0	45	75	120		1			4
SEMESTER VII													
1	FaSPR07	Sport	0	0	0	0	30	30		1			1
2	FaBEL02	Marketing logistics	30	0	30	60	90	150					5
SEMESTER VIII													
1	FaSPR08	Sport	0	0	0	0	30	30		1			1
2	FaBEL03	Industrial logistics	30	0	30	60	90	150					5