

CURRICULUM

Bachelor's degree program in Industrial Management, Professional qualification: 5.13

**General Engineering
as of 2020/2021 academic year**

ECTS Subject code T IM No													
- T – type of course: B for BEng, M for MEng;													
- I - IV semester – core subjects - professional field 5.13 General Engineering;													
- IM – “Industrial Management”;													
- No – number of 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	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	BpIM01	Economic Theories	30	15	0	45	75	120	1				4
21	BpIM02	Fundamentals of Management	30	15	15	60	90	150	1				5
22	BpIM03	Manufacturing Engineering	45	0	30	75	105	180	1				6
23	BpIM04	Marketing	30	30	0	60	90	150		1			5
24	BpIM05	Industrial Legislation	30	30	0	60	90	150		1			5
25	BpIM06	Manufacturing Engineering - 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			165	90	45	300	600	900	3	4	1	0	30

№	Code	SUBJECT	Semester Load						Assesment				ECTS credits
			L	Tut.	Lab.	AT	SS	Total	E	CA	SP	SA	
SEMESTER V													
28	BpIM07	Elective course in Humanities from List 1	30	20	0	50	70	120		1			4
29	BpIM08	Economics of Industrial Enterprises	30	0	30	60	120	180	1			1	6
30	BpIM09	Quality Management	30	15	0	45	75	120		1			4
31	BpIM10	Accounting	30	0	20	50	70	120	1				4
32	BpIM11	Industrial Engineering	30	0	30	60	90	150	1				5
33	BpIM12	Strategic Management	30	20	0	50	70	120	1				4
34	BpIM13	Industrial Engineering - project	0	0	0	0	90	90			1		3
Total			180	55	80	315	585	900	4	2	1	1	30
SEMESTER VI													
35	BpIM14	Human Resource Management	30	0	15	45	105	150	1			1	5
36	BpIM15	Industrial Systems' Safety and Reliability Management	20	0	20	40	80	120		1			4
37	BpIM16	Commercial Law and Protection of Competition	30	15	0	45	75	120		1			4
38	BpIM17	Manufacturing Management	30	0	30	60	90	150	1				5
39	BpIM18	Marketing Management	30	0	15	45	105	150	1			1	5
40	BpIM19	Elective course in IT from List 2	30	0	20	50	70	120		1			4
41	BpIM20	Manufacturing Management - project	0	0	0	0	90	90			1		3
Total			170	15	100	285	615	900	3	3	1	2	30
SEMESTER VII													
42	BpIM21	Logistic Systems Management	30	0	15	45	75	120	1				4
43	BpIM22	Innovation Management	30	20	0	50	100	150	1				5
44	BpIM23	Finance	30	20	0	50	100	150	1				5
45	BpIM24	Organisational Behaviour	30	20	0	50	70	120		1			4
46	BpIM25	Elective course in Law/Humanities from List 3	30	20	0	50	70	120		1			4
47	BpIM26	Intelligent Manufacturing Systems	30	0	25	55	95	150	1				5
48	BpIM27	Industrial Management - project	0	0	0	0	90	90			1		3
Total			180	80	40	300	600	900	4	2	1	0	30

№	Code	SUBJECT	Semester Load						Assesment				ECTS credits
			L	Tut.	Lab.	AT	SS	Total	E	CA	SP	SA	
SEMESTER VIII													
49	BpIM28	Analysis of Economic Activities	30	0	30	60	120	180	1			1	6
50	BpIM29	Elective Management course from List 4	30	0	15	45	75	120		1			4
51	BpIM30	Elective Management/IT course from List 5	30	0	15	45	75	120	1				4
52	BpIM31	Computer-Integrated Systems	30	0	0	30	60	90	1				3
53	BpIM32	Elective Enginnering course from List 6	20	0	0	20	70	90		1			3
54	BpIM33	Diploma project	0	0	0	0	300	300	Defense of diploma thesis			10	
Total			140	0	60	200	700	900	3	2	0	1	30

LIST OF THE ELECTIVE SUBJECTS

List 1 Elective courses in Humanities		ECTS =4
1	Business Ethics	BpIM07.1
2	Fundamentals of academic writing	BpIM07.2
3	Business Communications	BpIM07.3
List 2 Elective courses in IT		ECTS = 4
1	Computer systems in Industrial Management	BpIM19.1
2	Expert systems and artificial intelligence in industry	BpIM19.2
List 3 Elective courses in Law/Humanities		ECTS = 4
1	Intellectual Property Rights and Patent Policy	BpIM25.1
2	Labour Law	BpIM25.2
List 4 Elective Management courses		ECTS = 4
1	Business Entrepreneurship	BpIM29.1
2	Public Relations	BpIM29.2
List 5 Elective Management/IT courses		ECTS = 4
1	Management Information Systems	BpIM30.1
2	Enterprise Resource Planning (ERP) Systems	BpIM30.2
List 6 Elective Engineering courses		ECTS = 3
1	Non-conventional Industrial Technologies	BpIM32.1
2	Automated CAD Systems	BpIM32.2

LIST OF OPTIONAL SUBJECTS

№	Code	SUBJECT	Semester Load						Assesment				ECTS credits
			L	Tut.	Lab.	AT	SS	Total	E	CA	SP	SA	
SEMESTER I													
1	FaBpIM1	Introduction to the Programme	15			<i>15</i>	15	<i>30</i>		1			1
SEMESTER V													
1	FaSPR05	Sport	0	0	0	<i>0</i>	30	<i>30</i>		1			1
2	FaBpIM2	English for specific purposes	0	30	0	<i>30</i>	30	<i>60</i>		1			2
SEMESTER VI													
1	FaSPR06	Sport	0	0	0	<i>0</i>	30	<i>30</i>		1			1
2	FaBpIM3	English for professional communication	0	30	0	<i>30</i>	30	<i>60</i>		1			2
SEMESTER VII													
1	FaSPR07	Sport	0	0	0	<i>0</i>	30	<i>30</i>		1			1
SEMESTER VIII													
1	FaSPR08	Sport	0	0	0	<i>0</i>	30	<i>30</i>		1			1