



CURRICULUM

Professional orientation: **General Engineering**

Program: **Industrial Management**

Professional qualification: **Engineer Manager**

Educational and qualifical degree: **Bachelor**

Form of study: **Full - Time**

Term of study: **4 years / 8 semesters**

No	Subject Name	Types of term control				Semester auditorium load					Unsupervised load	Total work hours	ECTS credits
		E	PA	CP	A	L	S	L	CP CPR	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Micro and Macroeconomics	1				30	30			60	115	175	7
2	Business Communications and Public Relations		1			30		15	15	60	115	175	7
3	Mathematics	1				30	30			60	115	175	7
4	Applied Mechanics		1			30	15			45	105	150	6
5	English, part 1				1		30			30	30	60	2
6	Elective Subject				1						30	30	1
6a	Specialized Sport Activities, part 1				1						30	30	1
6b	Sport and Social Adaptation, part 1				1						30	30	1
Total for the 1 semester:		2	2		2	120	105	15	15	255	510	765	30
7	Economics of the Enterprise	2				30	30			60	75	135	5
8	Commercial Law		2			30	15			45	45	90	3
9	Management	2				30	30			60	75	135	5
10	Engineering Graphics		2			30		30		60	75	135	5
11	Material Science	2				30		30		60	75	135	5
12	Machine Science		2			30		30		60	75	135	5
13	English, part 2				2		30			30	30	60	2
14	Elective Subject				2						30	30	1
14a	Specialized Sport Activities, part 2				2						30	30	1
14b	Sport and Social Adaptation, part 2				2						30	30	1
Total for the 2 semester:		3	3		2	180	105	90		375	480	855	31
15	Measuring Systems in Electrical Engineering	3				30		15		45	90	135	5
16	Information Systems and Technologies		3			30		15	15	60	75	135	5
17	Marketing	3				30		15	15	60	75	135	5
18	Accounting of the Enterprise	3				30		30		60	75	135	5
19	Fundamentals of Entrepreneurship		3			30		30		60	75	135	5
20	Manufacturing Technology for Workpieces	3				30		30		60	75	135	5
21	Elective Subject				3						30	30	1
21a	Specialized Sport Activities, part 3				3						30	30	1
21b	Sports Management, part 1				3						30	30	1

No	Subject Name	Types of term control				Semester auditorium load					Unsupervised load	Total work hours	ECTS credits
		E	PA	CP	A	L	S	L	CP CPR	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Total for the 3 semester:		4	2		1	180		135	30	345	495	840	31
22	Finance	4				30		30		60	90	150	6
23	Management of Working Conditions and Production Risk		4			15		15		30	45	75	3
24	Strategic Management	4				30		15	15	60	90	150	6
25	Production Technologies	4				30		15	15	60	75	135	5
26	Human Resources Management	4				30		15		45	60	105	4
27	Managerial Decision-making		4			30	30			60	75	135	5
28	Elective Subject				4						30	30	1
28a	Specialized Sport Activities, part 4				4						30	30	1
28b	Sports Management, part 2				4						30	30	1
Total for the 4 semester:		4	2		1	165	30	90	30	315	465	780	30
29	Industrial Engineering	5				30		30		60	90	150	6
30	Organizational Behavior	5				30	15		15	60	115	175	7
31	Intellectual Property Rights		5			30		15		45	90	135	5
32	Quality Management		5			30		15	15	60	90	150	6
33	Management of Corporate Finance	5				30		30		60	90	150	6
Total for the 5 semester:		3	2			150	15	90	30	285	475	760	30
34	Production Management	6				30		15	15	60	115	175	7
35	Analysis and Diagnostics of Business Activity	6				30		30		60	115	175	7
36	Modeling and Optimization of Production Processes		6			30		15	15	60	90	150	6
37	Project in Industrial Engineering			6					30	30	75	105	4
38	Elective Subject		6			30	15			45	105	150	6
38a	Creativity and Methods for Generating New Ideas		6			30	15			45	105	150	6
38b	International Business		6			30	15			45	105	150	6
38c	Regional Development		6			30	15			45	105	150	6
38d	Environmental Management		6			30	15			45	105	150	6
Total for the 6 semester:		2	2	1		120	15	60	60	255	500	755	30
39	Business Planning and Control	7				30		15	15	60	115	175	7
40	Innovations Management		7			30		15	15	60	115	175	7
41	Logistics	7				30		30		60	115	175	7
42	Elective Subject		7			30		15		45	105	150	6
42a	Special Methods and Processes in Material Processing		7			30		15		45	105	150	6
42b	Managerial Information Systems		7			30		15		45	105	150	6
42c	Sea Transport Technology and Organization		7			30		15		45	105	150	6
42d	Technology and Organization of Road Transport		7			30		15		45	105	150	6
43	Special Practice				7						75	75	3
Total for the 7 semester:		2	2		1	120		75	30	225	525	750	30
44	Competitiveness of the Industrial Enterprise	8				30		15	15	60	90	150	6
45	Business Valuation	8				30		15	15	60	90	150	6
46	Elective Subject		8			30		15		45	105	150	6
46a	Methods and Means for Non-destructive Testing		8			30		15		45	105	150	6
46b	Business Systems for Analysis of Economic Information		8			30		15		45	105	150	6
46c	Ports and Port Operations		8			30		15		45	105	150	6
46d	Automotive Engineering		8			30		15		45	105	150	6
47	Project in Management			8					30	30	30	60	2
48	Pre-diploma Practice				8						60	60	2

No	Subject Name	Types of term control				Semester auditorium load					Unsuper vised load	Total work hours	ECTS credits
		E	PA	CP	A	L	S	L	CP CPR	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Total for the 8 semester:		2	1	1	1	90		45	60	195	375	570	22
Total for all courses of education:		22	16	2	8	1125	270	600	255	2250	3825	6075	234

Facultative subjects

No	Subject Name	Types of term control				Semester auditorium load incl:					Unsuper-vised load	Total work hours	ECTS credits
		E	PA	CP	A	L	S	L	CP CPR	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Types of graduation	Semester	Unsupervised load	ECTS credits
Preparation of Diploma Thesis / Preparation for State Examination	8	300	10
Defence of Diploma Thesis / State Examination	8		

Note:

The curriculum is valid for teaching in Bulgarian and English language.

Accepted from AU with

Protocol No 10 / 25.04.2016

Modified with Protocols No 11 / 06.06.2016

Valid from the 2016 / 2017 academic year.

The weekly allocation of the classes is fixed according to the "Structure of the Learning Process" Academic Board adopted for the current academic year.

Head of Department IM:

/ Assoc. Prof. PhD Panayotova T. /

Dean of Faculty FMET:

/ Assoc. Prof. PhD Antonov G. /