



TECHNICAL UNIVERSITY OF VARNA

Ratified by:

Rector:

/Prof. Ventsislav Valchev, PhD/

CURRICULUM

Professional orientation: **GENERAL ENGINEERING**

Educational and qualification degree: **BACHELOR**

Program: **INDUSTRIAL MANAGEMENT**

Professional qualification: **ENGINEER MANAGER**

Form of study: **FULL - TIME**

Term of study: **4 YEARS / 8 SEMESTERS**

Number	Subject name	Types of term control				Auditorium load						Unsupervised load	Total work hours	ECTS credits
		Examination	Progressive assessment	Course project	Approved	Lectures	Seminars			Laboratories	Total load			
							Seminar exercises	Course project	Course work					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Micro and Macroeconomics	*				30	30				60	115	175	7
2	Mathematics	*				30	30				60	115	175	7
3	Management	*				30	30				60	115	175	7
4	Physics	*				30				15	45	130	175	7
5	English, part 1				*		30				30	30	60	2
6	Optional Subject				*									
a	Specialized Sport Activities, part 1											30	30	1
b	Adapted Physical Activity*													
Total for the 1 semester:		4	0	0	2	120	120	0	0	15	255	535	790	31
7	Material Science and Technology	*				30				30	60	60	120	4
8	Engineering Graphics and Technical Documentation		*			15				30	45	105	150	6
9	Economics of the Enterprise	*				30	30				60	115	175	7
10	Electrical Engineering and Electronics		*			30				30	60	115	175	7
11	Fundamentals of Entrepreneurship		*			30	15		15		60	115	175	7
12	English, part 2				*		30				30	30	60	2
13	Optional Subject				*									
a	Specialized Sport Activities, part 2											30	30	1
b	Adapted Physical Activity*					(30)	(15)				(45)	(75)	(120)	(4)
Total for the 2 semester:		2	3	0	2	135	75	0	15	90	315	570	885	34
14	Computer Science and Computer Technology		*			30				30	60	115	175	7
15	Accounting of the Enterprise	*				30				30	60	90	150	6
16	Marketing	*				30	15		15		60	115	175	7
17	Business Communications and Public Relations		*			30	15				45	90	135	5
18	Commercial Law	*				30	15				45	60	105	4
19	Base of Automation		*			30				15	45	60	105	4

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							Seminar exercises	Course project	Course work					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
20	Optional Subject				*									
a	Specialized Sport Activities, part 3											30	30	1
b	Adapted Physical Activity*													
Total for the 3 semester:		3	3	0	1	180	45	0	15	75	315	560	875	34
21	Strategic Management	*				30			15	15	60	90	150	6
22	Fundamentals of Finance	*				30				30	60	115	175	7
23	Human Resources Management	*				30	15				45	90	135	5
24	Intellectual Property Rights		*			30	15				45	90	135	5
25	Production Technologies, part 1 (Technologies in Mechanical Engineering)	*				30			15	15	60	115	175	7
26	Optional Subject				*									
a	Specialized Sport Activities, part 4											30	30	1
b	Adapted Physical Activity*													
Total for the 4 semester:		4	1	0	1	150	30	0	30	60	270	530	800	31
27	Production Technologies, part 2 (Technologies in Electrical Engineering and Electronics)	*				30			15	15	60	115	175	7
28	Leadership and Team Management		*			30	15				45	105	150	6
29	Industrial Engineering	*				30				30	60	115	175	7
30	Management of Corporate Finance	*				30				30	60	90	150	6
31	Quality Management	*				30			15	15	60	90	150	6
32	Optional Subject		*			30	15				45	105	150	6
a	Presentation Skills													
b	Time Management													
Total for the 5 semester:		4	2	0	0	180	30	0	30	90	330	620	950	38
33	Production Management	*				30			15	15	60	90	150	6
34	Innovations Management	*				30			15	15	60	90	150	6
35	Creativity and Methods for Generating New Ideas		*			30	30				60	90	150	6
36	Managerial Decision-making		*			30	15				45	105	150	6
37	Project in Industrial Engineering			*				30			30	75	105	4
38	Special Practice				*						0	75	75	3
Total for the 6 semester:		2	2	1	1	120	45	30	30	30	255	525	780	31
39	Analysis and Diagnostics of Business Activity	*				30				30	60	75	135	5
40	Competitiveness of the Industrial Enterprise	*				30			15	15	60	90	150	6
41	Risk Management		*			30				15	45	105	150	6
42	Business Planning and Control	*				30			15	15	60	115	175	7
43	Fundamentals of Logistics	*				30	30				60	115	175	7
44	Optional Subject	*				30				15	45	105	150	6
a	Internet Technologies													
b	Renewable Energy Sources													
c	Sea Transport Technology and Organization													
Total for the 7 semester:		5	1	0	0	180	30	0	30	90	330	605	935	37

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
45	Business Valuation	*				30			15	15	60	90	150	6
46	Optional Subject		*			30				15	45	105	150	6
a	Computer Architectures and Networks													
b	Wind Energetics													
c	Technology and Organization of Port Activities													
47	Optional Subject		*			30				15	45	105	150	6
a	Telecommunication Networks and Systems													
b	Modern Solar Energy Transformation Systems													
c	Fleet and Ports Commercial Operation													
48	Project in Management			*				30			30	30	60	2
49	Pre-diploma Practice				*						0	60	60	2
Total for the 8 semester:		1	2	1	1	90	0	30	15	45	180	390	570	22
Totals for the whole course of education		25	14	2	8	1155	375	60	165	495	2250	4335	6585	258
Facultative Subjects														
1	Optional Subject				3						60	60	120	4
a	Business English						60							
b	Business Ethics					30	30							
c	Psychology of Entrepreneurship					30	30							

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			

Note:

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

2.* The discipline "Adapted Physical Activity" is an alternative to "Specialized Sport Activities", it is studied in the second semester and is intended for students who cannot do sports for health reasons.

Accepted from AU with:

Protocol No: 17 / 01.06.2020, No 30 / 08.03.2021

Modified with Protocols No:62/27.02.2023

Valid from the 2022/2023 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:

Dean of Faculty:

/ Assoc. Prof. S. Demirova, PhD /

/ Assoc. Prof. S. Lesidrenska, PhD /