TECHNICAL UNIVERSITY OF VARNA

Ratified by:
Rector of TU-Varna: .....
/ Prof. PhD Valchev V. /

CURRICULUM

Proffesional orientation: **General Engineering**

Program: **Protection of Population in Disasters and Accidents**

Proffesional qualification: **Risk Engineer**

Educational and qualificational degree: **Bachelor**

Form of stady: **Full - Time**

Term of stady: **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	Chemistry	1				30		30		60	115	175	7
2	Physical Geography		1			30	30			60	115	175	7
3	Mathematics	1				30	30			60	115	175	7
4	Sociology	1				30	30			60	90	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:	**3**	**1**		**2**	**120**	**120**	**30**		**270**	**495**	**765**	**30**
7	Computer Science and Computer Technology		2			15		30		45	60	105	4
8	General and Extreme Psychology		2			30	30			60	60	120	4
9	Physics	2				30		30		60	75	135	5
10	Natural Disasters	2				30		30		60	115	175	7
11	Engineering Materials and Processing Technologies	2				30		30		60	75	135	5
12	Engineering Ecology	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:	**4**	**2**		**2**	**165**	**60**	**150**		**375**	**520**	**895**	**33**
15	Technical Mechanics	3				30		30		60	90	150	6
16	Thermodynamics and Heat Transfer	3				30	15	15		60	90	150	6
17	Damage Assessment in Case of Disasters and Accidents	3				30		30		60	90	150	6
18	Engineering Comunication Networks	3				30		30		60	90	150	6
19	Rescue Training		3			30		30		60	90	150	6
20	English, part 3				3		30			30	30	60	2
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**	**1**		**2**	**150**	**45**	**135**		**330**	**510**	**840**	**33**
22	Electrical Engineering and Electronics	4				30		30		60	75	135	5
23	Cuting and Welding Technologies	4				30		30		60	75	135	5
24	Hydraulics and Pneumatics	4				30	15	15		60	90	150	6
25	Theory of Explosive Combustion	4				30	30			60	90	150	6
26	Statistics		4			30		15		45	90	135	5
27	English, part 4				4		30			30	30	60	2
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
29	Special Practice				4						60	60	2
	Total for the 4 semester:	**4**	**1**		**3**	**150**	**75**	**90**		**315**	**540**	**855**	**32**
30	Electronic Systems for Data Collection and Management	5				30	30			60	115	175	7
31	Industrial Accidents		5			30	30			60	115	175	7
32	Prevention and Control Equipment	5				30		15		45	105	150	6
33	Radiation, Chemical and Biological Safety	5				30	30			60	115	175	7
34	English, part 5				5		30			30	30	60	2
35	Specialized Sport Activities, part 5				5						30	30	1
	Total for the 5 semester:	**3**	**1**		**2**	**120**	**120**	**15**		**255**	**510**	**765**	**30**
36	Prevention and Reaction to Dangerous Goods Accidents	6				30	30			60	115	175	7
37	Organisation of Emergency Actions and Rescue Operations	6				30		15		45	130	175	7
38	Automated Emergency and Pre-emergency Signal Systems	6				30	15	15		60	115	175	7
39	Legal Regime for Disasters and Accidents	6				30	15			45	105	150	6
40	English, part 6				6		30			30	30	60	2
41	Specialized Sport Activities, part 6				6						30	30	1
	Total for the 6 semester:	**4**			**2**	**120**	**90**	**30**		**240**	**525**	**765**	**30**
42	Crises and Dangerous Events in Environmental Security Management	7				30	30			60	115	175	7
43	Labour Safety		7			30		15		45	130	175	7
44	Radiation, Chemical and Biological Protection	7				30		15	15	60	115	175	7
45	Rescue and Fire Fighting Equipment	7				30	15			45	130	175	7
46	Research Project			7					30	30	30	60	2
	Total for the 7 semester:	**3**	**1**	**1**		**120**	**45**	**30**	**45**	**240**	**520**	**760**	**30**
47	Reliability of Engineering Infrastructure for Accidents and Disaster	8				30	30			60	115	175	7
48	Elective Subject	8				30	30			60	90	150	6
48a	Risk Assessment and Prevention of Disasters and Accidents in Industrial and Urban Environment	8				30	30			60	90	150	6
48b	Safety and Industrial Risk	8				30	30			60	90	150	6
49	Tactics of Emergency Action	8				30	30			60	90	150	6
50	Elective Subject	8				30	15			45	105	150	6
50a	Instructor Training	8				30	15			45	105	150	6
50b	Methodology of Sports Training	8				30	15			45	105	150	6
	Total for the 8 semester:	**4**				**120**	**105**			**225**	**400**	**625**	**25**
	Total for all corses of education:	**29**	**7**	**1**	**13**	**1065**	**660**	**480**	**45**	**2250**	**4020**	**6270**	**243**

Facultative subjects

No	Subject Name	Types of term control				Semester auditorium load incl:					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

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		

Accepted from AU with

Protocol No 42 / 27.05.2019

Valid from the 2019 / 2020 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 EEP:

/ Assoc. Prof. PhD Toneva-Zheinova D. /

Dean of Faculty FSB:

/ Assoc. Prof. PhD Hadzhidimov I. /

09.09.2019