



## CURRICULUM

Professional orientation: **General Engineering**

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

Professional qualification: **Risk Engineer**

Educational and qualificational 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	Chemistry	1				30		30		175	115	290	7
2	Physical Geography		1			30	30			175	115	290	7
3	Mathematics	1				30	30			175	115	290	7
4	Sociology	1				30	30			150	90	240	6
5	English, part 1				1		30			60	30	90	2
6	Optional Subject				1					30	30	60	1
6a	Specialized Sport Activities, part 1				1						30	30	1
66	Sport and Social Adaptation, part 1				1						30	30	1
<b>Total for the 1 semestar:</b>		<b>3</b>	<b>1</b>		<b>2</b>	<b>120</b>	<b>120</b>	<b>30</b>		<b>765</b>	<b>495</b>	<b>1260</b>	<b>30</b>
7	Computer Science and Computer Technology		2			30		30		120	60	180	4
8	General and Extreme Psychology		2			30	30			120	60	180	4
9	Physics	2				30		30		135	75	210	5
10	Natural Disasters	2				30		30		175	115	290	7
11	Material Science	2				30		30		135	75	210	5
12	Engineering Ecology	2				30		30		135	75	210	5
13	English, part 2				2		30			60	30	90	2
14	Optional Subject				2					30	30	60	1
14a	Specialized Sport Activities, part 2				2						30	30	1
146	Sport and Social Adaptation, part 2				2						30	30	1
<b>Total for the 2 semestar:</b>		<b>4</b>	<b>2</b>		<b>2</b>	<b>180</b>	<b>60</b>	<b>150</b>		<b>910</b>	<b>520</b>	<b>1430</b>	<b>33</b>
15	Technical Mechanics	3				30		30		150	90	240	6
16	Thermodynamics and Heat Transfer	3				30	15	15		150	90	240	6
17	Damage Assessment in Case of Disasters and Accidents	3				30		30		150	90	240	6
18	Engineering Communication Networks	3				30		30		150	90	240	6
19	Rescue Training		3			30		30		150	90	240	6
20	English, part 3				3		30			60	30	90	2
21	Optional Subject				3					30	30	60	1
21a	Specialized Sport Activities, part 3				3						30	30	1
216	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
<b>Total for the 3 semestar:</b>		<b>4</b>	<b>1</b>		<b>2</b>	<b>150</b>	<b>45</b>	<b>135</b>		<b>840</b>	<b>510</b>	<b>1350</b>	<b>33</b>
22	Electrical Engineering and Electronics	4				30		30		135	75	210	5
23	Cuting and Welding Technologies	4				30		15		135	90	225	5
24	Hydraulics and Pneumatics	4				30	15	15		150	90	240	6
25	Theory of Explosive Combustion	4				30	30			150	90	240	6
26	Statistics		4			30		15		135	90	225	5
27	English, part 4				4		30			60	30	90	2
28	Optional Subject				4					30	30	60	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	120	2
<b>Total for the 4 semestar:</b>		<b>4</b>	<b>1</b>		<b>3</b>	<b>150</b>	<b>75</b>	<b>75</b>		<b>855</b>	<b>555</b>	<b>1410</b>	<b>32</b>
30	Electronic Systems for Data Collection and Management	5				30	30			175	115	290	7
31	Industrial Accidents		5			30	30			175	115	290	7
32	Prevention and Control Equipment	5				30		15		150	105	255	6
33	Radiation, Chemical and Biological Safety	5				30	30			175	115	290	7
34	English, part 5				5		30			60	30	90	2
35	Specialized Sport Activities, part 5				5					30	30	60	1
<b>Total for the 5 semestar:</b>		<b>3</b>	<b>1</b>		<b>2</b>	<b>120</b>	<b>120</b>	<b>15</b>		<b>765</b>	<b>510</b>	<b>1275</b>	<b>30</b>
36	Prevention and Reaction to Dangerous Goods Accidents	6				30	30			175	115	290	7
37	Organisation of Emergency Actions and Rescue Operations	6				30		15		175	130	305	7
38	Automated Emergency and Pre-emergency Signal Systems	6				30	15	15		175	115	290	7
39	Legal Regime for Disasters and Accidents	6				30	15			150	105	255	6
40	English, part 6				6		30			60	30	90	2
41	Specialized Sport Activities, part 6				6					30	30	60	1
<b>Total for the 6 semestar:</b>		<b>4</b>			<b>2</b>	<b>120</b>	<b>90</b>	<b>30</b>		<b>765</b>	<b>525</b>	<b>1290</b>	<b>30</b>
42	Crises and Dangerous Events in Environmental Security Management	7				30	30			175	115	290	7
43	Labour Safety		7			30		15		175	130	305	7
44	Radiation, Chemical and Biological Protection	7				30		15	15	160	115	275	7
45	Rescue and Fire Fighting Equipment	7				30	15			175	130	305	7
46	Research Project			7					30	30	30	60	2
<b>Total for the 7 semestar:</b>		<b>3</b>	<b>1</b>	<b>1</b>		<b>120</b>	<b>45</b>	<b>30</b>	<b>45</b>	<b>715</b>	<b>520</b>	<b>1235</b>	<b>30</b>
47	Reliability of Engineering Infrastructure for Accidents and Disaster	8				30	30			175	115	290	7
48	Optional Subject	8				30	30			150	90	240	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			150	90	240	6
50	Optional Subject	8				30	15			150	105	255	6
50a	Instructor Training	8				30	15			45	105	150	6
50b	Methodology of Sports Training	8				30	15			45	105	150	6
<b>Total for the 8 semestar:</b>		<b>4</b>				<b>120</b>	<b>105</b>			<b>625</b>	<b>400</b>	<b>1025</b>	<b>25</b>
<b>Total for all courses of education:</b>		<b>29</b>	<b>7</b>	<b>1</b>	<b>13</b>	<b>1080</b>	<b>660</b>	<b>465</b>	<b>45</b>	<b>6240</b>	<b>4035</b>	<b>10275</b>	<b>243</b>

### 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		

**Accepted from AU with**

Protokol No 30 / 23.04.2018

**Valid for 2018 / 2019 г. academic year.**

Head of Department EEP:

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

Dean of Faculty FSB:

/ Assoc. Prof. PhD Hadzhidimov I. /