

Safety at Work and Fire Protection Study

Study direction: Fire Protection, 240 ECTS

1. year – I. semester

No.	Courses	Hours per week			ECTS Credits
		P	S	V	
1	Mathematics I	4	-	3	7
2	Technical Mechanic	2	-	3	5
3	Graphic Communications	2	-	2	5
4	Basic Informatics	2	-	3	5
5	Materials	2	-	2	5
6	Foreign Language I	2	-	1	3
	Total in semester	14	-	14	30

1. year – II. semester

No.	Courses	Hours per week			ECTS Credits
		P	S	V	
1	Environmental Protection (Health Protection)	4	-	3	8
2	Labor Law	2	-	1	4
3	Programming	2	-	3	5
4	Basic Electrotehnic I	2	-	2	5
5	Mechanical Engineering	2	-	2	5
6	Foreign Language II	2	-	1	3
	Total in semester	14	-	12	30

2. year – III. semester

No.	Courses	Hours per week			ECTS Credits
		P	S	V	
1	Fire and Explosion Hazards	2	-	2	7
2	Hazards in Electricity Use	2	-	2	4
3	Statistic	2	-	3	5
4	Risk from Hazardous Substances	2	-	2	4
5	The Danger in Use of Machinery	2	-	2	4
6	Physics	2		2	3
7	Chemistry	2		2	3
	Total in semester	14		15	30

2. year – IV. semester

No.	Courses	Hours per week			ECTS Credits
		P	S	V	
1	Psychophysiology of Work	2	-	2	7
2	Transport Protection	2	-	2	4
3	Thermodynamics	2	-	3	5
4	The Theory of Organizing Training for Protection	2	-	2	5
5	Protection and Security	2	-	2	5
6	Toxicology	2	-	2	4
	Total in semester	12		13	30

3. year – V. semester

No.	Courses	Hours per week			ECTS Credits
		P	S	V	
1	Engineering Measurement	2	-	3	8
2	Engineer Projecting	2	-	3	5
3	Electromagnetic Radiation Protection	2	-	2	4
4	Ecology	2	-	2	5
5	Merchandising	2	-	2	5
6	Engineer Economy	2	-	1	3
	Total in semester	12		13	30

3. year – VI. semester

No.	Courses	Hours per week			ECTS Credits
		P	S	V	
1	Safety in Technological Projects	4	-	3	8
2	Ignition and Combustion Theory	2	-	1	4
3	Extinguishing Fire	2	-	2	5
4	Alarm Systems	2	-	3	5
5	Reliability and Safety	2	-	1	5
6	The Importance of Prevention in the Fire Protection	2	-	1	3
	Total in semester	14	-	11	30

4. year – VII. semester

No.	Courses	Hours per week			ECTS Credits
		P	S	V	
1	Fire Protection Due to Static Electricity and Lightning Discharges	4	-	3	8
2	Edit and Control of Fire Protection	2	-	2	4
3	Protection Against Fire and Explosion	2	-	2	5
4	Equipment for Intervention and Rescue	2	-	2	5
5	Heat and Mass Transfer	2	-	2	5
6	Project	-	-	-	3
	Total in semester	12	-	11	30

4. year – VIII. semester

No.	Courses	Hours per week			ECTS Credits
		P	S	V	
1	Fire Protection in the Electric Power Business	2	-	3	7
2	Tactics of Intervention and Rescue in a Fire	2	-	2	4
3	Protecting Buildings Against Fire	2	-	2	5
4	Maintenance	2	-	2	5
5	Practice	-	-	-	5
6	Final thesis	-		-	4
	Total in semester	8		9	30