

PROGRAMME OF STUDY

Undergraduate Professional Study of Occupational Safety

- **LIST OF COURSES**

1st year of study - Semester I (Winter Semester)

Course unit no.	Title of the course unit	ECTS credits
52	Mathematics I	5
2	Physics for engineers	5
3	Electrotechnics	6
4	Chemistry for engineers	6
6	English Language I	3
	German Language I	
12	Theory of combustion and fire-extinguishing	5
	Total per semester	30

1st year of study - Semester II (Summer Semester)

Course unit no.	Title of the course unit	ECTS credits
53	Mathematics II	5
5	Fundamentals of safety	4
9	Computers in safety science	5
10	Human factors in safety	4
11	Safety measures in electric power exploitation	4
13	Basics of the law and legislation of safety	5
14	English Language II	3
	German Language II	
	Total per semester	30

2nd year of study – Semester III (Winter Semester)

Course unit no.	Title of the course unit	ECTS credits
16	English Language III	3
	German Language III	
17	Probability and statistics	6
18	Organization and management	6
19	Chemical and biological noxiousness	5
20	Mechanics and mechanical hazards	7
22	Occupational medicine	3
	Total per semester	30

2nd year of study – Semester IV (Summer Semester)

Course unit no.	Title of the course unit	ECTS credits
23	English Language IV	3
	German Language IV	
26	Production processes and systems	5
27	Personal protective equipment	4
28	Physical noxiousness	6
29	Quality assurance	4
31	Occupational safety organization	3
37	Engineering fundamentals	5
	Total per semester	30

3rd year of study (Industry) – Semester V (Winter Semester)

Course unit no.	Title of the course unit	ECTS credits
30	Fire protection at construction sites	3
32	Safety systems	5
33	Occupational safety management	3
34	Industrial safety	5
35	Process industry safety	5
36	Safety in hazardous material transportation	5
51	Ergonomics and safety	4
	Total per semester	30

3rd year of study (Fire Protection) – Semester V (Winter Semester)

Course unit no.	Title of the course unit	ECTS credits	Remark
30	Fire protection at construction sites	3	
32	Safety systems	5	
33	Occupational safety management	3	
39	Fire-fighting equipment	5	Only in the Croatian language
40	Fire-fighting organization and techniques	5	Only in the Croatian language
41	Protection from explosions	5	Only in the Croatian language
51	Ergonomics and safety	4	
	Total per semester	30	

3rd year of study (General Safety) – Semester V (Winter Semester)

Course unit no.	Title of the course unit	ECTS credits
30	Fire protection at construction sites	3
32	Safety systems	5
33	Occupational safety management	3
45	Safety in transportation of goods and people	5
46	Safety and protection in hotel industry and tourism	5
47	Safety in health care profession	5
51	Ergonomics and safety	4
	Total per semester	30

3rd year of study – Semester VI (Summer Semester)

Course unit no.	Title of the course unit	ECTS credits
49	Professional semester internship	13
50	Bachelor thesis	17
	Total per semester	30