

CURRICULUM: DISASTER RISK MANAGEMENT - 180 and 240 ECTS

FIRST SEMESTER

Ordinal number	Courses	ECTS
1.	Mathematics I	7
2.	Physics	5
3.	Graphic Communications	5
4.	Basic Informatics	5
5.	Basics of security	5
6.	English language I	3

SECOND SEMESTER

Ordinal number	Courses	ECTS
1.	Environmental Protection (Health Protection)	8
2.	Epidemiology	4
3.	Programming	5
4.	Basic Electrotechnics	5
5.	Basics of Mechanical Engineering	5
6.	English language II	3

THIRD SEMESTER

Ordinal number	Courses	ECTS
1.	Transport Protection	4
2.	Statistics	5
3.	Hazardous Substances Risks	5
4.	Sociology	6
5.	Management	6
6.	Chemistry	4

FOURTH SEMESTER

Ordinal number	Courses	ECTS
1.	National security	7
2.	Thermodynamics	5
3.	Security Management	5
4.	Protection and Security	5
5.	Toxicology	4
6.	Fire and Explosion Hazards	4

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FIVE SEMESTER

Ordinal number	Courses	ECTS
1.	Civil protection	8
2.	Disaster simulation and GIS applications	5
3.	Ecology	5
4.	Basics of the protection system	5
5.	Crisis management	3
6.	<i>Elective course (1):</i> - <i>Electromagnetic radiations and protection</i> - <i>Engineering measurements</i> - <i>Engineering design</i> - <i>Critical infrastructure</i>	4

SIXTH SEMESTER (180 ECTS)

Ordinal number	Courses	ECTS
1.	Hydrology	8
2.	Security and protection of information systems	4
3.	Reliability and safety	5
4.	Risk assessment	5
5.	<i>Elective course (1):</i> - <i>The importance of prevention in fire protection</i> - <i>Safety in technological processes</i> - <i>Psychology of stress</i> - <i>Alarm systems</i>	3
6.	Final thesis	5

SIXTH SEMESTER (240 ECTS)

Ordinal number	Courses	ECTS
1.	Hydrology	8
2.	Security and protection of information systems	4
3.	Reliability and safety	5
4.	Risk assessment	5
5.	Management of incidents and emergency situations in transport	5
6.	<i>Elective course (1):</i> - <i>The importance of prevention in fire protection</i> - <i>Safety in technological processes</i> - <i>Psychology of stress</i> - <i>Alarm systems</i>	3

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SEVENTH SEMESTER

Ordinal number	Courses	ECTS
1.	Protection in usage of electrical energy on construction sites and in public areas	8
2.	Early warning systems	6
3.	Intervention and rescue equipment	6
4.	Project	5
5.	<i>Elective course (1):</i> - Risk of mechanical action - Fire protection due to static electricity and atmospheric discharges - The impact of earthquakes on construction objects	5

EIGHTH SEMESTER

Ordinal number	Courses	ECTS
1.	Interventional Epidemiology	8
2.	Disaster recovery management	4
3.	Protection of buildings against fire	4
4.	Praxis	5
5.	<i>Elective course (1):</i> - Intervention and rescue tactics - Peacekeeping and humanitarian operations - Terrorism	5
6.	Final thesis	4