

**Master's degree program in Technical Safety of Work Equipment
as of 2020/2021 academic year**

CURRICULUM

ECTS subject code T TSWE S№

- T – type of course: **B** for BEng, **M** for MEng;
- **TSWE** – “ Technical Safety of Work Equipment ”;
- **S№** – subsequent number of the subject;

Lectures (L), tutorials (Tut), labs (Lab), Auditorium Total (AT), Self-Study (SS);

Exam (E), continuous assessment (CA), semester project (SP), semester assignment (course work) (SA).

№	Subject	Semester load						Assessment				ECTS code	ECTS credits
		L	Tut	Lab	AT	SS	Total	E	CA	SP	SA		

SEMESTER I

1	Technical Legislation and Standardization	30	30	0	60	90	150	1				MTSWE 01	5
2	Safety of Material Handling and Construction Machines	45	30	15	90	90	180	1		1		MTSWE 02	6
3	Safety of Pressure Equipment	30	0	30	60	90	150	1			1	MTSWE 03	5
4	Metrological Ensuring the Safety of Work Equipment	30	0	30	60	90	150		1			MTSWE 04	5
5	Electrical Safety	30	0	30	60	90	150	1		1		MTSWE 05	5
6	Optional subject (List 1)	30	0	15	45	75	120		1		1	MTSWE 06	4
Total		195	60	120	3	525	900	4	2	2	2		30

№	Subject	Semester load						Assessment				ECTS code	ECTS credits
		L	Tut	Lab	AT	SS	Total	E	CA	SP	SA		

SEMESTER II

7	Technical Surveillance of Work Equipment	30	15	0	45	45	90	1			1	MTSWE07	3
8	Risk Analysis and Assessment in the Workplace	30	15	0	45	45	90	1		1		MTSWE08	3
9	Occupational Health and Safety Management	30	15	0	45	45	90		1	1		MTSWE09	3
10	Fire Safety	30	15	0	45	45	90	1			1	MTSWE10	3
11	Optional subject (List 2)	30	0	15	45	45	90	1			1	MTSWE11	3
12	Diploma project					450	450	Diploma project defense				MTSWE12	15
Total		150	60	15	225	675	900	4	1	2	3		30

NOTES:

The list of optional subjects are annually updated and approved by the Faculty Council of Mechanical Engineering Faculty.

Subjects MTSWE6.1 and MTSWE11.1 form Master Program - „Occupational safety“.

Subjects MTSWE6.2 and MTSWE11.2 form Master Program - „Factors of the working environment“.

LIST OF OPTIONAL SUBJECTS

List - 1 MTSWE06 (ECTS credits - 4)		Code
1	Safety Assessment of Work Equipment	MTSWE06.1
2	Lighting at Workplaces	MTSWE06.2

List - 2 MTSWE11 (ECTS credits - 3)		Code
1	Means for Safeguarding from Technical Emergencies	MTSWE11.1
2	Noise and Vibrations of the Working Equipment	MTSWE11.2

LIST OF FACULTATIVE SUBJECTS

№	Subject	Semester load						Assessment				ECTS code	ECTS credits
		L	Tut	Lab	Aud. Total	SS	Total	E	C A	SP	S A		

SEMESTER I

1	Ecological Protection of the Working Environment	30	0	30	60	60	120		1			FaM TSWE 01	4
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SEMESTER II

2	Industrial Engineering	30	0	30	60	60	120		1			FaM TSWE 02	4
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