

Field of study: ENVIRONMENTAL ENGINEERING

Master's degree

mutual subjects for whole course

I SEMESTER (15 weeks)										
No	Module name	Module ID	Hours per week						Hours per semester	ECTS
			L	C	LC	SW	P	S		
1	Computational and statistical methods	EEM11001	1			2			45	2
2	Environmental chemistry	EEM11002	1		2				45	3
3	Sanitary microbiology	EEM11003	1		2				45	3
4	Systems of industrial wastewater treatment (E)	EEM11004	1				2		45	4
5	Systems of industrial water treatment (E)	EEM11005	1			2			45	4
6	Technology and organization of sanitary works	EEM11006	1			2			45	3
7	Spatial planning	EEM11007	1						15	1
8	HESI - Environmental management	EEM11034	1				2		45	3
9	Reliability and safety of environmental eng. systems	EEM11008	2				2		60	3
10	Application of computer systems in env.eng.	EEM11009				3			45	2
11	Foreign language (E)	EEM11010		2					30	2
TOTAL			10	2	4	4	6	0	465	30

Specialization: Heating and Ventilation Systems

II SEMESTER (15 weeks)										
No	Module name	Module ID	Hours per week						Hours per semester	ECTS
			L	C	LC	SW	P	S		
1	Ventilation and air conditioning (E)	EEM21223	2		2		2		90	5
2	Automation and control in HVAC systems (E)	EEM21224	2		2				60	4
3	District heating networks and heat plants	EEM21225	3				4		105	5
4	Integrated design with IT applications	EEM21226					3		45	3
5	Heating technology II (E)	EEM21227	2				2		60	4
6	Rationalisation of heat consumption - HES II	EEM21236	1				2		45	3
7	Refrigeration engineering (E)	EEM21229	2				2		60	4
8	Professional training	EEM21237								2
TOTAL			12	0	4	0	15	0	465	30

Specialization: Heating and Ventilation Systems

III SEMESTER (15 weeks)										
No	Module name	Module ID	Hours per week						Hours per semester	ECTS
			L	C	LC	SW	P	S		
1	Alternative energy sources	EEM31230	1		2				45	3
2	Air protection and fumes purification (E)	EEM31231	1				2		45	2
3	Diploma seminar	EEM31232						2	30	5
4	MSc dissertation	EEM31233								20
TOTAL			2	0	2	0	2	2	120	30

Explanations:

(E) Exam

L Lecture

C Classes

LC Laboratory classes

SW Specialisation workshop

P Project

S Seminar

Total teaching hours for master's program:

1050 hours

including lectures:

360 hours

lectures make up:

34% of total teaching hours

including practical courses:

690 hours

practical courses make up:

66% of total teaching hours

Student is required to complete:

Professional training - 2 weeks in selected companies