

# STUDY PLAN OF MASTER'S DEGREE COURSE OF ENVIRONMENTAL ENGINEERING FULL-TIME STUDIES

Specialization: INTELLIGENT ENERGY FOR ENVIRONMENTAL PROTECTION

Hour	Semester I		Semester II		Semester III			
27			Industrial Wastewater Technologies 1L, 2Lab, 4 ECTS	Wastewater Treatment Processing Design – Project 1L, 2P, 4 ECTS	Diploma Project 18 ECTS	<b>Semester = 15 weeks</b>  <i>L – lecture</i> <i>T – tutorial</i> <i>Lab – laboratory</i> <i>P – project</i> <i>S – seminar</i>  <i>E – exam</i> <i>ECTS – credit No.</i>		
26								
25	Intelligent Technologies in Environmental Engineering 2L, 1T, 4ECTS	Social Acceptance of RES 2L, 1T, 4 ECTS	Management of Energy Conversion Byproducts 1L, 2P, 4 ECTS	Waste Heat Management and Energy Efficiency 1L, 2Lab, 4 ECTS				
24								
23								
22	Waste For Material and Energy Recovery 2L, 2Lab, 4 ECTS	Waste Management in Power Industry 2L, 2Lab, 4 ECTS	Strategies for the International Protection of the Environment 1L, 1T, 3 ECTS	Circular Economy in Environment 1L, 1T, 3 ECTS				
21								
20								
19								
18	New Technologies in Water and Wastewater Treatment 2L, 1T, 4 ECTS	Biomass Harvesting and Utilization 2L, 1P, 4 ECTS	Phytoremediation by Energetic Plants 2L, 2T, 4 ECTS	Protection of Soil from Environmental Impact 2L, 2P, 4 ECTS				
17								
16								
15	Computer Modelling of Environmental Processes 3P, 4 ECTS		Biochar for Advanced Polygeneration 2L, 2Lab, 4 ECTS					
14								
13								
12	Intelligent Heating, Ventilation and Air Conditioning 2L, 1P, E, 5 ECTS		Carbon Management in the Environmental Processes 2L, 2P, 3 ECTS					
11								
10								
9	Renewable Energy Sources 2L, 1T, E, 4 ECTS							
8								
7								
6	Instrumental Methods in Environment 2L, 2Lab, 4ECTS		Atmosphere Protection and Flue Gas Cleaning 1L, 2Lab, E, 4 ECTS					
5								
4								
3								
2	Talking about Environmental Challenges 2T, 1 ECTS		Energy Conversion Technologies 2L, 2T, E, 4 ECTS					
1								
<b>No. hour</b>	<b>25 h x 15 weeks = 375</b>		<b>27 h x 15 weeks = 405</b>		<b>13 h x 15 weeks = 195</b>			
<b>Exams</b>	<b>2</b>		<b>2</b>		<b>0</b>			
<b>ECTS</b>	<b>30</b>		<b>30</b>		<b>30</b>			