



SCHOOL OF ELECTRICAL AND COMPUTER ENGINEERING OF APPLIED STUDIES IN BELGRADE

The main goals of basic vocational studies “Environmental Engineering” is:

- to application of European and world standards, organizes high-quality studies in the field of Ecological engineering;
- to constantly innovated the teaching methods in accordance with the current world trends
- - to developing the knowledge and skills in the field of monitoring the environmental protection, sustainable energy, energy efficiency and ecological acquisition and rational energy consumption
- - to developing the knowledge of waste management, possibilities of waste use, ways of preventing and reducing the harmful effects on the environment;
- to trained professional staff of the adoption, implementation and control implementation of normative acts that define the field of environmental protection
- -to training students for team work on environmental issues





Syllabus of study program Environmental Engineering

No.	Course Title	Semester	ECTS
FIRST YEAR			
1.	Engineering mathematics	1.	7
2.	Electrical engineering	1.	7
3.	English	1.	4
4.	German	1.	4
5.	Physics	1.	6
6.	Electrical Materials and Components	1.	6
7.	Basics of Managements	1.	6
8.	Basics of Electric Power Engineering	2.	6
9.	Internet Programming	2.	6
10.	Mechanics	2.	6
11.	Basics of Informatics and Computing	2.	6
12.	Application Software	2.	6
13.	Ecological Regulations	2.	6
Total ECTS			60
SECOND YEAR			
1.	Physical and Chemical Processes in Recycling	3.	6
2.	Business Plan	3.	6
3.	Environmental Management	3.	6
4.	Electronic and Electrical Waste Management	3.	6
5.	New Energy Technologies	3.	6
6.	Sustainable Development	3.	6
7.	Measurements I	4.	6
8.	Ionizing and Non-ionizing Radiation Protection	4.	6
9.	Modern methods of air depuration in industry	4.	6
10.	Discrete Mathematics	4.	6
11.	Noise and Vibration Protection	4.	6
12.	Waste-to-energy Production	4.	6
Total ECTS			60
THIRD YEAR			
1.	Projects Management	5.	6
2.	Real-Time Control	5.	6
3.	Probability and Statistics	5.	6
4.	Database	5.	6
5.	Recycling Technologies	5.	6
6.	Student internship	5.	4
7.	Waste-water treatment systems	6.	6
8.	Environmental Protection	6.	6
9.	Recycling Processes Management	6.	6
10.	Environmental Monitoring	6.	6
11.	Renewable Energy Sources	6.	6
12.	Final thesis	6.	8
Total ECTS			60
Total ECTS (first, second and third year)			180

