

**Table 5.1.b.** Course specification by semesters and years of study for **basic academic studies:**

**- ENVIRONMENTAL PROTECTION**

No	Code	Course name	S	Type	Course status	Active learning classes			Other classes	ECTS
						L	P	OTC		
<b>FIRST YEAR</b>										
1.	ZŽS-01	Applied Mathematics 1	1	AGE	C	3	3	0		9
2.	ZŽS-02	General and Inorganic Chemistry	1	TM	C	3	3	0		9
3.	ZŽS-03	Fundamentals of Ecology	1	PA	C	3	2	0		9
4.	ZŽS-04	Management	2	AGE	C	3	3	0		8
5.	ZŽS-05	Biology	2	TM	C	3	3	0		9
6.	ZŽS-06	Organic Chemistry	2	TM	C	3	3	0		9
7.	ZŽS-07	English Language 1	2	AGE	C	2	3	0		4
8.	ZŽS-08	Internship 1	2	PA	C	0	0	0	6	3
<b>Total number of active classes = 40</b>										<b>60</b>
<b>SECOND YEAR</b>										
9.	ZŽS-09	Physical and Analytical Chemistry	3	TM	C	3	3	0		7
10.	ZŽS-10	Business Informatics	3	AGE	C	3	2	0		7
11.	ZŽS-11	Biochemistry	3	TM	C	3	2	0		8
12.	ZŽS-12	Microbiology	3	TM	C	3	2	0		7
13.	ZŽS-13	Animal Ecology	4	SP	C	3	2	0		8
14.	ZŽS-14	English Language 2	4	AGE	C	1	3	0		4
15.	ZŽS-15	Internship 2	4	PA	C	0	0	0	6	3
<b>OPTIONAL COURSES 1</b>										
16.	ZŽS-30	Managing Environmental Protection	4	SP	O - 1	2	3	0		8
	ZŽS-31	Environmental Chemistry	4	PA	O - 1	2	3	0		8
	ZŽS-32	Ecotoxicology	4	SP	O - 1	2	3	0		8
	ZŽS-39	Physical Pollution of the Environment	4	PA	O - 1	2	3	0		8
<b>Total number of active classes = 40</b>										<b>60</b>
<b>THIRD YEAR</b>										
18.	ZŽS-16	Air Pollution and Protection	5	SP	C	3	3	0		7
19.	ZŽS-17	Soil Protection	5	SP	C	3	2	0		7
20.	ZŽS-18	Ecology and Water Protection	5	SP	C	3	2	0		7
21.	ZŽS-19	Plant Ecology	5	SP	C	3	2	0		8
22.	ZŽS-20	Ecological Modeling	6	PA	C	3	2	0		8
23.	ZŽS-21	English Language 3	6	AGE	C	1	3	0		4
24.	ZŽS-22	Internship 3	6	PA	C	0	0	0	6	3
<b>OPTIONAL COURSES 2</b>										
25.	ZŽS-33	Food Ecology	6	SP	O - 2	2	3	0		8
	ZŽS-34	Sustainable Development and Ecology	6	SP	O - 2	2	3	0		8
	ZŽS-35	Environmental Protection Planning	6	PA	O - 2	2	3	0		8
	ZŽS-40	Industrial Ecology	6	PA	O - 2	2	3	0		8
<b>Total number of active classes = 40</b>										<b>60</b>
<b>FOURTH YEAR</b>										
27.	ZŽS-23	Monitoring the Current State of the Environment	7	PA	C	3	3	0		7
28.	ZŽS-24	Waste Management	7	SP	C	3	3	0		7
29.	ZŽS-25	Wastewater	7	SP	C	3	3	0		7
30.	ZŽS-26	Environmental Risk Management	7	PA	C	3	3	0		6
31.	ZŽS-27	English Language 4	8	AGE	C	2	2	0		4
32.	ZŽS-28	Internship 4	8	PA	C	0	0	0	6	3
<b>OPTIONAL COURSES 3</b>										
33.	ZŽS-36	Environmental Legislation	8	PA	O - 3	3	3	0		8
	ZŽS-37	Recycling	8	PA	O - 3	3	3	0		8
34.	ZŽS-38	Sources of and Protection Against Radiation	8	PA	O - 3	3	3	0		8
	ZŽS-41	Environmental Protection Systems	8	PA	O - 3	3	3	0		8
35.	ZŽS-29	Final Paper	8	PA	C	-	-	-	100	10

	<b>Total number of active classes = 40</b>	<b>60</b>
	<b>Total number of ECTS credits</b>	<b>240</b>
Note: Optional courses 1 - a student chooses 2 out of 4 optional courses in the 4 <sup>th</sup> semester Optional courses 2 - a student chooses 2 out of 4 optional courses in the 6 <sup>th</sup> semester Optional courses 3 - a student chooses 2 out of 4 optional courses in the 8 <sup>th</sup> semester		

S - semester

L - lecture

P - practice

C - compulsory

O - optional

OTC - other types of classes

TM -Theoretical and methodological

PA - Professional and applicable

AGE - Academic general education

SP - Scientific and professional