



# Bachelor degree study programme: Environmental Science and Ecology

## Faculty of Natural Sciences

### Curriculum

No.	Courses	Study subject code	Credits (ECTS)
<b>I Year</b>			
<b>I Semester</b>			
1.	Basic Ecology	APL1001	4
2.	Higher Mathematics	MAT 1011	6
3.	Elective courses		14
	<b>Total:</b>		<b>28</b>
<b>II Semester</b>			
1.	Environment and Development	APL 2001	5
2.	Environmental Geology	APL 1003	6
3.	General Physics	FIZ 1006	6
4.	Practice of Environmental Geology and Ecology	APL 1002	5
5.	Elective courses		10
	<b>Total:</b>		<b>32</b>
<b>II Year</b>			
<b>III Semester</b>			
1.	Atmosphere Physics and Climatology	GAF 2003	5
2.	General and Analytical Chemistry	BBK 2001	5
3.	Animal Biology	BIO 2005	6
4.	Professional Language of Natural Science	LGF 2002	3
5.	Elective courses		11
	<b>Total:</b>		<b>30</b>
<b>IV Semester</b>			
1.	Organic and Bioorganic Chemistry	BBK 2002	6
2.	Soil Ecology	APL3003	6
3.	Plant Ecophysiology	GAB 2002	6
4.	Practice of Environmental Sciences	APL 2002	6
5.	Elective courses		6
	<b>Total:</b>		<b>30</b>
<b>III Year</b>			
<b>V Semester</b>			
1.	Environmental chemistry	APL4001	6



2.	Statistical methods in environmental sciences and biology	MAT2012	6
3.	Environmental Bioindication	APL 3001	6
4.	Elective courses		8
5.	<b>Elective Courses</b>		
	Environmental quality assessment and monitoring	APL3014	6
	Biochemistry	BBK3001	6
	Animal Ecology	BIO3009	5
	Sustainable Energy Sources	FIE3005	5
	<b>Total:</b>		<b>31</b>
<b>VI Semester</b>			
1.	Human Ecology	APL3005	5
2.	Physicochemical Analysis	BBK3002	6
3.	Water ecology	APL3010	5
4.	Environmental Engineering	APL3006	5
5.	Practice of Environmental Engineering	APL3011	5
6.	Term Paper1	APL3008	3
	<b>Total:</b>		<b>29</b>
<b>IV Year</b>			
<b>VII Semester</b>			
1.	Environmental Toxicology	APL4011	6
2.	Landscape Ecology	APL4015	5
3.	Biodiversity Conservation	APL4016	5
4.	Basics of Geographical Information Systems	APL4004	6
5.	Term Paper2	APL4007	3
6.	<b>Elective Courses</b>		
	Environmental Policy and Law	APL4019	5
	Cell Biology	BBK 4001	6
	<b>Total:</b>		<b>30</b>
<b>VIII Semester</b>			
1.	Environmental Resources Management	APL4010	5
2.	Global Environmental and Ecosystems Changes	APL4014	5
3.	Environmental economics	APL4020	5
4.	Bachelor thesis		15
	<b>Total:</b>		<b>30</b>
	<b>Total for the Programme::</b>		<b>240</b>

Note: there might be some changes in the programme.