

Integrated undergraduate and graduate university study programme:

**Educational Biology and Chemistry**

<b>Code</b>	<b>Course</b>	<b>ECTS</b>
47171	Advanced Chemistry Laboratory	5.0
40657	Algae and Fungi	4.0
36174	Analytical Chemistry	5.0
45076	Animal Phylogeny and Systematics	3.0
74630	Applied Botany	5.0
63737	Bacteria, Viruses and Subviral Pathogens	4.0
40824	Basic Laboratory in Analytical Chemistry	4.0
40840	Basic Laboratory in Physical Chemistry	3.0
40859	Biochemistry	7.0
40860	Biochemistry Laboratory	2.0
63551	Biogeography	5.0
44405	Bioinformatics	5.0
83842	Bird Ecology in Biology Teaching	4.0
36147	Cell Biology	7.0
63749	Communication in Teaching	4.0
47040	Didactics - Teaching	4.0
47172	Ecology and Ecology Education	8.0
74434	Endocrine Physiology	5.0
40864	Environmental Chemistry	3.0
47165	Evolution	4.0
75090	Extracullicular Activities in Biology	3.0
40841	Field Course in Biodiversity of Invertebrates and Protists	2.0
47174	Field Course in Ecology	2.0
47044	Field Course in Systematic Botany and Vertebrates	2.0
47318	First Aid	4.0
63512	Fundamentals of Histology and Embryology	4.0
37582	Fundamentals of Molecular Biology	4.0
46889	Fundamentals of Protection of Nature and Environment	3.0
36148	General Botany	6.0
36170	General Chemistry	8.0
36172	General Chemistry Laboratory 1	4.0

36175	General Chemistry Laboratory 2	4.0
36141	General Zoology	6.0
40837	Genetics	4.0
40863	History and Philosophy of Chemistry	3.0
40819	Human Anatomy	3.0
47051	Human Physiology	5.0
63774	Immunology	4.0
40823	Inorganic Chemistry	6.0
46843	Inorganic Chemistry Laboratory	2.0
46837	Invertebrates	6.0
63557	Laboratory Teaching Methods in Chemistry	8.0
46892	Malacology	4.0
46835	Mammalogy	3.0
47312	Marine Biology	4.0
63559	Master's Thesis with Seminar	30.0
36177	Mathematics 1	4.0
37583	Mathematics 2	4.0
47306	Methodics of Working with Special Needs Students	4.0
72222	Micology	3.0
40826	Microbiology	4.0
40865	Mineralogy 1	3.0
40931	National Parks	5.0
46841	Organic Chemistry 1	6.0
40858	Organic Chemistry 2	5.0
46842	Organic Chemistry Laboratory	2.0
46891	Palynology	4.0
47036	Pedagogy - Theory and Practice of Education	4.0
40821	Physical Chemistry 1	6.0
46838	Physical Chemistry 2	7.0
47170	Physical Education	3.0
38079	Physical Education and Health Culture 1	0.0
38080	Physical Education and Health Culture 2	0.0
40849	Physical Education and Health Culture 3	0.0
40850	Physical Education and Health Culture 4	0.0

36179	Physics 1	4.0
37584	Physics 2	4.0
44411	Plant Bioactive Compounds	6.0
45072	Plant Nomenclature and Classification	5.0
47167	Plant Physiology	5.0
47032	Psychology of Learning and Teaching	4.0
47320	Rhetorics and Culture of Speech of Teachers	4.0
47309	School Vivarium	4.0
47305	Sociology of Sexuality	4.0
47321	Spoken and Written Expression of Teachers	4.0
40855	Statistics	4.0
47308	Sustainable Development in Teaching Natural Sciences	4.0
46839	Systematic Botany	5.0
75101	Teaching Biology Outside the Classroom	3.0
47168	Teaching Methods in Biology	8.0
47173	Teaching Methods in Chemistry 1	5.0
63556	Teaching Methods in Chemistry 2	5.0
63555	Teaching Practice in Biology	5.0
63560	Teaching Practice in Chemistry	5.0
47314	Tumor Biology	4.0
46836	Vascular Plant Morphology	3.0
46840	Vertebrates	6.0