

Study programme: **Geographic information systems and Remote sensing in Environmental Sciences**

Type of study: **Bachelor study program**

Study form: **full time form of study**

Guarantor: **doc. Ing. Petra Šimová, Ph.D.**

Core optional courses (Type A)

The student must take at least two core optional courses Type A during the second and third years of the study. For those taking final exams in Ecology and Nature Conservation, a combination of Habitat Ecology and Nature Conservation is recommended. For those taking final exams in Hydrology and Water Management, the combination of Water Management and Climate Change and Water Resources should be the preferred one.

ZEX102E	Habitat Ecology						2	1	-	5	cr	ex	Ing. Zasadil, Ph.D.
ZEX103E	Nature Conservation						2	1	-	5	cr	ex	RNDr. Plesník, CSc.
ZVX109E	Global Change and Water Resources						2	1	-	5	cr	ex	Mgr. Martínková, Ph.D.
ZVX103E	Water Management	2	1	-		5	cr	ex					doc. Kuráž

Optional courses (Type B)

The student must choose from those courses in the second and third year of study in a way ensuring that he/she earns in total (combining these with compulsory courses and core optional courses) 180 credits over the entire study period. In other words, the student must earn at least 35 credits during his/her studies combining core optional (Type A) and optional courses (Type B)

ZOX101E	Geology	2	2	-	5	cr	ex							RNDr. Jetmar, Ph.D.
ZUX101E	Fundamentals of Landscape Ecology							2	2	-	5	cr	ex	doc. Skaloš

Study programme: **Environmental Engineering**

Type of study: **Bachelor study program**

Study form: **full time form of study**

Guarantor: **doc. Ing. Kristina Janečková, Ph.D.**

Optional Subjects - Group 1

The student must take one core optional course Type 1 during the 3rd year of the study.

LKX01Z	CAD	-	3	-	5	cr	-						Ing. Sikora, Ph.D.
--------	-----	---	---	---	---	----	---	--	--	--	--	--	--------------------

Optional Subjects - Group 2

The student must take one core optional course Type 1 during the 3rd year of the study.

ZEX103E	Nature Conservation						2	1	-	5	cr	ex	RNDr. Plesník, CSc.
ZBX106E	Spatial Planning						2	1	-	5	cr	ex	doc. Kumble

Study programme: **Environmental Data Science**

Specialization: **Informatics**

Type of study: **Bachelor study program**

Study form: **full time form of study**

St. year: 3	2022/2023													
Code	Optional subjects	5th Semester winter						6th Semester summer						Guarantee
		Le	Pr	FE	ECTS	Cr	Ex	Le	Pr	FE	ECTS	Cr	Ex	
ZGX107Z	Cloud-computing and Analysis of Environmental Data	1	2	-	4	cr								doc. Šmejda
EIZ02E	Database Systems	2	2	-	5	cr	ex							doc. Vostrovský
ZVX110Z	Interactive Web Visualization for Hydroclimatological Data	2	1	-	5	cr								Ing. Horáček, Ph.D.

Study programme: **Environmental Data Science**

Specialization: **Hydrology**

Type of study: **Bachelor study program**

Study form: **full time form of study**

Guarantor: **Ing. Mgr. Ioannis Markonis, Ph.D.**

St. year: 3	2022/2023													
Code	Optional subjects	5th Semester winter						6th Semester summer						Guarantee
		Le	Pr	FE	ECTS	Cr	Ex	Le	Pr	FE	ECTS	Cr	Ex	
ZGX107Z	Cloud-computing and Analysis of Environmental Data	1	2	-	4	cr								doc. Šmejda
ZVX110Z	Interactive Web Visualization for Hydroclimatological Data	2	1	-	5	cr								Ing. Horáček, Ph.D.
ZOX103E	Environmental Chemistry							2	2	-	6	cr	ex	prof. Chrastný
ZVX109E	Global Change and Water Resources							2	1	-	5	cr	ex	Mgr. Martínková,

Guarantor: **Ing. Mgr. Ioannis Markonis, Ph.D.**

[illegible]