

PROFESSIONAL BACHELOR'S STUDY PROGRAMME Geoinformatic and Remote Sensing

Study Plan

FULL TIME STUDIES

N.	Code	Study Course	Department/ Institute/ Center Code	Volume KP	Type of Inspection	1.course		2.course		3.course		4.course	
						1.sem.	2.sem.	3.sem.	4.sem.	5.sem.	6.sem.	7.sem.	8.sem.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.General Study Courses				20									
1	Valo1053	Latvian Language I	VALO	2	IA		2						
2	Psih2036	Communication Psychology	IMI	2	IA					2			
3	BūvZ3164	Topicalities of Geoinformatics and Remote Sensing	ZIGE	2	IA								2
4	VadZ3064	Entrepreneurships	UZVA	3	E				3				
5	Citi4016	Labour and Civil Protection	MIZM	2	IA								2
6	VidZ3047	Environmental Protection and Sustainable Development	VIDE	2	IA								2
7	BūvZ3165	Introduction into geoinformatics and remote sensing	ZIGE	2	IA	2							
8	BūvZ3166	Scientific Work in Geoinformatics and Remote Sensing I	ZIGE	1	IA			1					
9	BūvZ3167	Scientific Work in Geoinformatics and Remote Sensing II	ZIGE	1	KD				1				
10	BūvZ3168	Scientific Work in Geoinformatics and Remote Sensing III	ZIGE	1	KD						1		
11	BūvZ3169	Basics of Scientific Work in Geoinformatics and Remote Sensing	ZIGE	2	IA		2						
2.Field Theoretical Basic Courses				36									
1	BūvZ3170	Geodesy	ZIGE	5	E		5						
2	LauZ3195	Natural Resources in Agriculture	AAZI	2	IA	2							
3	MežZ3089	Introduction to forestry	MEZK	2	IA	2							
4	BūvZ3171	Land Management Framework	ZIGE	2	IA	2							
5	TraZ3025	Basics of Transport Logistics	ZIGE	2	IA	2							
6	BūvZ3172	Fundamentals of Crisis Management	ZIGE	2	IA	2							
7	BūvZ3163	Cartography	ZIGE	3	E		3						
8	BūvZ3151	Basics of Geographic Information Systems	ZIGE	3	E	3							
9	BūvZ3152	Technologies of Remote Sensing	ZIGE	3	E	3							
10	InfT3045	Structure of Computers and Computer Systems	DASI	3	IA		3						
11	InfT3044	Programming Basics	DASI	3	IA		3						
12	BūvZ3153	Quality of Geospatial Data	ZIGE	4	E				4				
13	JurZ3049	Legal Regulation in Geoinformatics and Remote Sensing	ZIGE	2	IA	2							
3.Field Professional Specialization Courses				60									
1	InfT3048	Mathematical statistics in geoinformatics	VASI	2	IA			2					
2	BūvZ3154	Photogrammetry	ZIGE	3	E				3				
3	BūvZ3155	Application of Remote Sensing Technologies	ZIGE	3	IA			3					
4	BūvZ3156	Geographic Information System Softwares	ZIGE	4	IA			4					
5	BūvZ3157	Computer Graphics in Geoinformatics	ZIGE	4	IA			4					
6	InfT3043	Spatial Data Storage	DASI	3	IA				3				
7	InfT3046	Programming in Geoinformatics I	DASI	2	IA			2					
8	InfT3047	Programming in Geoinformatics II	DASI	2	KP			2					
9	BūvZ3158	Geospatial Solutions I	ZIGE	6	E						6		
10	BūvZ3159	Geospatial Solutions II	ZIGE	2	KP						2		
11	BūvZ3160	Geospatial Solution Management	ZIGE	4	E						4		
12	InfT3041	Security of Information Systems and Data I	DASI	2	IA						2		

13	InfT3042	Security of Information Systems and Data II	DASI	1	KD						1		
14	LauZ3198	Agriculture	AAZI	4	IA					4			
15	MežZ3090	Basics of forestry	MIZM	4	IA					4			
16	TraZ3026	Transport Logistics	ZIGE	4	IA					4			
17	BūvZ3161	Spatial Organization of Crisis Management	ZIGE	4	IA					4			
18	JurZ3048	Land Spatial Administration	ZIGE	4	IA					4			
19	BūvZ3162	3D Modeling and Visualization	ZIGE	2	IA				2				
4. Elective Courses				6									
1		Elective courses		6	E/IA			2			2		2
5. Practices				26									
1	BūvZP056	Geodetic Measurements	ZIGE	2	IA		2						
2	BūvZP165	Photogrammetry	ZIGE	2	IA				2				
3	BūvZP057	3D Modeling	ZIGE	2	IA				2				
4	InfTP011	Programming in Geoinformatics	VASI	2	IA							2	
5	BūvZP058	Geoinformatics and Remote Sensing	ZIGE	12	IA							18	
6. State Examinations				12									
1	BūvZ4139	Diploma Project in Geoinformatics and Remote Sensing	ZIGE	12	E								12
Total in the Study Programme				160		20	20	20	20	20	20	20	20
						40		40		40		40	

Number of courses and semesters according to the planned duration of the study program.

Types of examination: IA - test with a mark, E - exam, KD - course work, CP - course project