

**CURRICULUM**  
**EDUCATIONAL-QUALIFICATION DEGREE "MASTER OF SCIENCE"**  
**SPECIALITY "GEOINFORMATICS"**  
**PROFESSIONAL FIELD: 4.4. EARTH SCIENCES**

FORM OF EDUCATION: FULL TIME  
 PERIOD OF TRAINING: 1,5 YEARS  
 Length of the semester: 15 weeks

Year	Semestre	№	Code of discipline	Full name of courses (Practices)	Type of control	Hours per week		Total hours			Total hours per semester	Credits	
						L	S	Sem.	Lab.	Pract.			
FIRST	First	1	122165	Special methods of three-dimensional geological analysis	E	2	3	-	3	-	75	5	
		2	122169	GIS analyses in the geological prospecting	E	2	3	-	3	-	75	5	
		3	122170	GIS documenting and management of protected areas	E	2	3	-	3	-	75	5	
		4	171126	Ecology and protection of environment	E	2	3	-	3	-	75	5	
				<i>NOT OBLIGATORY (one out of):</i>	E	1	4	-		-	75	5	
	5 <sup>A</sup>	122266	<i>Programming in GIS environment</i>										
	5 <sup>B</sup>	122267	<i>Application of GIS in landscape studies</i>										
	5 <sup>B</sup>	122268	<i>Structure of the space information</i>										
	<b>Total for the I semester:</b>					<b>5+0</b>	<b>135</b>	<b>240</b>	<b>-</b>	<b>240</b>	<b>-</b>	<b>375</b>	<b>25</b>
	Second	6	112124	Remote sensing in geology	E	2	3	-	3	-	75	5	
		7	122171	Geodynamic processes and events	E	2	3	-	3	-	75	5	
8		122172	Compilation of geological maps in GIS	E	1	4	-	4	-	75	5		
9		142232	Digital processing of images	E	1	4	-	4	-	75	5		
<b>Total for the II semester:</b>					<b>4+0</b>	<b>90</b>	<b>210</b>	<b>-</b>	<b>210</b>	<b>-</b>	<b>300</b>	<b>20</b>	
<b>Total for the first year:</b>					<b>9+0</b>	<b>225</b>	<b>450</b>	<b>-</b>	<b>228</b>	<b>-</b>	<b>675</b>	<b>45</b>	
SECOND	D	Third	10	122173	Pre-thesis practical work (summer)	C	-	-	-	-	180	-	
			11	-	Thesis preparation and defense	-	-	-	-	-	-	15	
			<b>Total for the III semester:</b>					<b>0+1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>180</b>	<b>180 /0+180/</b>
<b>Total for the second year:</b>					<b>0+1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>180</b>	<b>180 /0+180/</b>	<b>15</b>		
<b>TOTAL FOR THE ENTIRE COURSE:</b>					<b>9+1</b>	<b>225</b>	<b>450</b>	<b>-</b>	<b>450</b>	<b>180</b>	<b>855 /675+180/</b>	<b>60</b>	

**PARAMETRES OF THE EDUCATIONAL PROCESS**

Total hours - 855, distributed as follows:

Auditorial – 675 aud. h. Incl.:

Lectures - 225 aud. h.

Exercises - 450 aud. h.

– Seminary - 0 aud. h.

– Laboratory - 450 aud. h.

– Practical - 0 ч.

Practises - 180 aud. h. incl.:

– auditorial – 0 ч.

– Pre-thesis - 180 aud. h. (30 days x 6 h.)

**Notations:** E - exam; C – current; L - Lectures; Lab. – laboratory work; Sem. – seminar exercises, Pract. – Practical exercises.