

**CURRICULUM**  
**EDUCATIONAL AND QUALIFICATION DEGREE: MASTER**  
**COURSE OF STUDY: UNDERGROUND CONSTRUCTION**  
**VOCATIONAL FIELD: 5.7. ARCHITECTURE, CONSTRUCTION, AND GEODESY**

FORM OF STUDY: PART-TIME  
DURATION OF STUDY: 2 YEARS

Year	Semester	№	Course unit code	Full name of the course units (course projects, practical training)	Form of control	Teaching hours (weekly)		Overall academic load per semester	Credits acc. to ECTS	
						L	S			
First	First	1	232132	Finite Element Method in Construction Work	E	23	23	46	7	
		2	232111	Building Structures	E	15	23	38	6	
		3	232112	Course project: Building Structures	CA		8	8	2	
		4	232135	Geotechnics	E	23	8	31	5	
	<b>Overall for the first semester</b>					<b>3+1</b>	<b>61</b>	<b>62</b>	<b>123</b>	<b>20</b>
	Second	5	232133	Dynamics and Resistance of Underground	E	23	15	38	6	
		6	232136	Engineering Software	E	8	15	23	4	
		7	232137	Technology for Constructing Underground	E	23	8	31	5	
8		232138	Constructions for Underground Facilities	E	30	23	53	8		
<b>Overall for the second semester</b>					<b>4</b>	<b>84</b>	<b>61</b>	<b>145</b>	<b>23</b>	
<b>Overall for the first year</b>					<b>7+1</b>	<b>145</b>	<b>123</b>	<b>268</b>	<b>43</b>	
Second	Third	9	232139	Special Methods for Underground Construction	E	23	8	31	5	
		10	232140	Blasting Production Processes	E	23	23	46	7	
		12	232150	Underground Urban Construction	E	26	26	52	8	
		13	232151	Course project: Underground Urban Construction	CA		8	8	2	
	<b>Overall for the third semester</b>					<b>3+1</b>	<b>72</b>	<b>65</b>	<b>137</b>	<b>22</b>
	Fourth	15	232142	Conservation, Closing Down, and Recultivation of	E	23	23	46	6	
		14	232141	Waste Disposal Sites and Soil Remediation	E	23	23	46	6	
		11	232134	Hydro-Insulating Materials for Underground	E	15	15	30	5	
		16	232152	Pre-diploma practice - 10 days	CA			60	2	
	<b>Overall for the fourth semester</b>					<b>3+1</b>	<b>61</b>	<b>61</b>	<b>182</b>	<b>19</b>
				Development and defence of the diploma paper					15	
<b>Overall for the second year</b>					<b>6+2</b>	<b>133</b>	<b>126</b>	<b>319</b>	<b>41</b>	
<b>OVERALL FOR THE FULL COURSE OF STUDY</b>					<b>13+3</b>	<b>278</b>	<b>249</b>	<b>587</b>	<b>84</b>	

Abbreviations: E - examination; CA -continuous assessment; L - lectures; S -seminars

**Parameters of the Curriculum:**

Overall teaching hours for the full course of study: 587  
Academic load: 527  
lectures: 278  
seminars: 249  
Extracurricular load (practical training): 60  
Number of exams: 13  
Items of continuous assessment: 3