



**UNIVERSITY OF MINING AND GEOLOGY "ST. IVAN RILSKI"
SOFIA**

FACULTY OF GEOLOGY AND EXPLORATION

CURRICULUM

VOCATIONAL FILED:

5.7. ARCHITECTURE, CONSTRUCTION, AND
GEODESY

COURSE OF STUDY:

ENGINEERING GEOLOGY

EDUCATIONAL AND QUALIFICATION DEGREE

MASTER

VOCATIONAL QUALIFICATION:

ENGINEER IN ENGINEERING GEOLOGY

FORM OF STUDY:

FULL-TIME

DURATION OF STUDY:

1.5 YEAR

Adopted at a session of the Academic Council of the
University of Mining and Geology "St. Ivan Rilski"
Minutes № 10 / 06th July 2021

HEAD OF DEPARTMENT OF HYDROGEOLOGY
AND ENGINEERING GEOLOGY

(Prof. Stefcho Stoynev)

DEAN:

(Assoc. Prof. Dr. B. Valchev)

CURRICULUM
EDUCATIONAL AND QUALIFICATION DEGREE: MASTER
COURSE OF STUDY: "Hydrogeology and Engineering Geology" IN ENGINEERING
VOCATIONAL FIELD: 4.4. EARTH SCIENCES

FORM OF STUDY: FULL-TIME
DURATION OF STUDY: 1 YEAR
Duration of each semester: 15 weeks

Year	Semester	№	Course unit code	Full name of the course units (course projects, practical training)	Form of control	Teaching hours (weekly)		Overall teaching hours by type of seminar			Overall academic load per semester	Credits acc. to ECTS
						L	S	S	Lab	P		
First	First	1	152113	Engineering and Geological Foundations for Seismic Micro-Zonation	E	3	4	60			105	8
		2	152114	Scarp and Slope Resistance	E	3	4	45			105	8
		3	152116	Rock Massif Properties	E	3	4	60			105	7
		4	152115	Improvement of Construction Soils	E	3	3	15	30		90	7
		5		<i>Elective course unit</i>								
			221100	Foreign Language								
	6			<i>Elective course unit</i>								
			272246	Physical Education and Sports - optional								
	Overall for the first semester				5+1	12	15	180	30		405	30
	Second	5	232128	Building Materials and Constructions	E	2	3	45			75	7
		6	151117	Engineering and Geological Monitoring	E	3	3	45			90	7
		7	152118	Design of Anti-Slide Equipment	E	3	3	30		15	90	7
		8	152119	Foundations	E	3	3	30		15	90	5
		9	221100			2	2	60			60	4
		10		<i>Elective course unit</i>								
			221100	Foreign Language								
		11		<i>Elective course unit</i>								
			272246	Physical Education and Sports - optional								
	Overall for the second semester				5+0	13	14	210		30	405	30
	Development and defence of the diploma paper											15*
	OVERALL FOR THE FULL COURSE OF STUDY				8+2	25	29	390	30	30	810	60+15*

Abbreviations: E - examination; CA - continuous assessment; L - lectures; Lab - laboratory seminars; S - seminars; P - practical seminars

Parameters of the Curriculum:

Overall teaching hours for the full course of study: 810
Academic load: 810
lectures: 390
seminars: 420
- seminars: 390
- laboratory seminars: 30
- practical seminars: 30
Extracurricular load (practical training):
Number of exams: 10
Items of continuous assessment: 1