Bachelor's Level

Curriculum

Educational program: Mining and Geoengineering

	Name of Module/Discipline or other types of activity	Number of credits	Academic hours	*Contact hours*				Independent	*Distribution of credits in semesters*							
				Including												
				Total	Lecture	Laboratory	Practical		I Semester	II Semester	III Semester	IV Semester	V Semester	VI Semester	VII Sem.	VIII Sem.
1	Engineering Mathematics I	5	125	45	15		30	80	5							
2	Engineering Mathematics II	5	125	45	15		30	80		5						
3	Engineering Graphics	5	125	60			60	65	5							
4	Physics	5	125	45	15	15	15	80	5							
5	History of Georgia	3	75	30	15		15	45	3							
6	Georgian Language and Speech Culture	3	75	30	15		15	45	3							
7	Introduction to Modern Thinking	2	50	15	15			35	2							
8	Psychology	2	50	15	15			35	2							
9	Engineering Mechanics	5	125	60	30		30	65		5						
10	Liquid and Air Applied Mechanics	5	125	45	15		30	80		5						
11	Computer Graphics I	5	125	45			45	80		5						
12	Computer Graphics II	5	125	45			45	80			5					
13	Engineering land Survey (Land Survey Practice)	5	125	60	30		30	65		5						
14	Basics of General, Oil and gas Technology	5	125	60	30		30	65			5					
15	Geophysical Research and Trade Geophysics	5	125	60	30		30	65			5					
16	Metal Constructions of Oil and Gas Pipelines and Reservoirs I	5	125	60	30		30	65				5				
17	Theory of Machinery and Mechanisms and Machine Parts	5	125	45	15		30	80				5				
18	Electrical and Thermal Equipment	5	125	45	15	15	15	80			5					
19	Oil and Gas Production Geology and Methods of Supply Calculation	5	125	60	30		30	65				5				
20	Oil and Gas Well Drilling	5	125	45	15		30	80					5			
21	Oil and Gas Pipelines and Reservoir Equipment	5	125	60	30		30	65					5			
22	Oil and Gas Chemistry I	5	125	45	15	30		80				5				
23	Oil and Gas Chemistry II	5	125	45	15	30		80					5			
24	Techniques and Technologies of Oil and Gas Extraction	5	125	60	30		30	65						5		
25	Processing of Oil and Gas Deposits	5	125	45	15		30	80							5	
26	Oil and Gas Gathering, Preparation and Transportation	5	125	45	15		30	80						5		
27	Oil and Gas Quality Control and Certification	5	125	45	15		30	80						5		
28	Terminal Exploitation I		125	45	15		30	80							5	
29	Terminal Exploitation II		125	60	30		30	65								5
30	Oil and Gas Processing Technology	5	125	60	30	30		65							5	
31	Bachelor's Thesis	10	250	90			90	160								10
	31.1) Labor Insurance and Emergency Situation Control	5	125	45	30		15	80								5
	31.2) Internship	5	125	45			45	80								5
	Concentration of Free Disciplines	**30**	**750**	**285**					**5**	**5**	**10**	**10**				
	Minor Specialty	**60**	**1500**	**600**									**15**	**15**	**15**	**15**
	Total:	24		2400	555	120	840		30	30	30	30	30	30	30	30