

**Standard Master program in Geology
(Mineralogy and Geochemistry)**

(Dated October 29th, 2015)

The total minimum required number of credits:	64 credits
- General courses (required):	07 credits
- Fundamental and core courses:	39 credits
+ Required:	18 credits
+ Elective:	21/45 credits
- Master thesis:	18 credits

Available curriculum

	Code	Subjects	Credits	Credit hours			Prerequisite
				<i>Lecture</i>	<i>Practice</i>	<i>Self-study</i>	
I	General courses		7				
1	PHI 5001	<i>Philosophy</i>	3				
2	ENG 5001	<i>General English</i>	4				
II	Fundamental and core courses		39				
II.1.	Required		18				
3	ENG 6001	<i>English for Academic Purposes</i>	3				
4	GLO 6028	<i>Thermodynamics of Endogeneous Geological Processes</i>	3	25	15	5	
5	GLO 6022	<i>Digital Mapping and GIS in Geosciences</i>	3	25	15	5	
6	GLO 6024	<i>Geochemistry of Elements</i>	3	25	15	5	
7	GLO 6038	<i>Petrology of Magmatic and Metamorphic rocks</i>	3	25	15	5	GLO6025 or GLO6028

	Code	Subjects	Credits	Credit hours			Prerequisite
				Lecture	Practice	Self-study	
8	GLO 6036	<i>Geochemical Methods in Mineral Prospecting</i>	3	20	20	5	GLO6024 or GLO6026
II.2.	Elective		21/45				
9	GLO 6023	<i>Tectonics and Metallogeny</i>	3	25	15	5	
10	GLO 6025	<i>Genetic Mineralogy</i>	3	20	20	5	
11	GLO 6026	<i>Ore Genesis and Mineral Exploration</i>	3	20	20	5	
12	GLO 6027	<i>Sedimentology</i>	3	20	20	5	
13	GLO 6021	<i>Applied Informatics in Geology</i>	3	25	15	5	
14	GLO 6031	<i>Stable Isotope Geology</i>	3	20	20	5	
15	GLO 6039	<i>X-ray fluorescence</i>	3	15	25	5	
16	GLO 6040	<i>Transmission electron microscopy</i>	3	15	25	5	
17	GLO 6041	<i>X-ray Diffraction</i>	3	15	25	5	
18	GLO 6034	<i>Methods for Radioactive Isotope dating</i>	3	15	25	5	
19	GLO 6042	<i>Geochemistry of Weathering Process</i>	3	25	15	5	GLO6024
20	GLO 6043	<i>Aqueous geochemistry</i>	3	25	15	5	GLO6024
21	GLO 6044	<i>Stratigraphy of Vietnam</i>	3	25	15	5	
22	GLO 6045	<i>Magmatism, Metamorphism and tectonics of Vietnam</i>	3	25	15	5	
23	GLO 6046	<i>Advanced Mineral resources of Vietnam</i>	3	25	15	5	
III	GLO 7210	Master Thesis	18				
		Total	64				