

Geological Resource and Geological Engineering

Program Code: 0818

1. Program Duration: 4-8 years
2. Required Credits: No less than 14 credits.
3. Curriculum

Course Type	Course Code	Course Name	Credit Hours	Credits	Semesters	Notes
Required course	7000001	Survey of China	36	2	1	
	7000011	Primary Chinese Language	32	2	1	
	8012001	Frontier of Geological Resources and Geological Engineering	32	2	1	
	8012002	Scientific Methods of Geological Resources and Geological Engineering (Modern Science and Technology)	32	2	1	
Optional course	8012082	Progress in Reservoir Geology	32	2	2	
	8012084	Advanced Geological Engineering	32	2	2	
	8012085	Geological Resources Exploration and Assessment	32	2	2	
	8013031	Progress of Geophysical Exploration	32	2	2	
	8014021	Progress in Geophysical Logging	32	2	2	
	8010001	Geoscience Data Mining and Fusion	32	2	2	
	8011001	New technology and application of earth science	32	2	2	
	8011004	Frontier of Geochemistry	32	2	2	
	8011005	Frontier of Sedimentology and Reservoir Geology	32	2	2	

	8011006	Frontier of Sedimentology and Reservoir Geology	32	2	2	
	8011007	Frontier of Paleontology and Modern Stratigraphy	32	2	2	
	8011008	Frontier of Quaternary Geology	32	2	2	
	8015001	GIS information computation and big data analysis	32	2	2	
	6000013	Visual-Audio-Oral Practice Of English For Postgraduates	16	1	2	select 2 courses
	6000014	Academic English: Reading & Writing	16	1	2	
	6000015	Contrastive Study Of English And Chinese & Translation	16	1	2	
	6000016	Cross-Cultural Communication	16	1	2	
	6000017	Appreciation Of The Classic Literary Works In English-Speaking Countries	16	1	2	
	6000018	English For Energy	16	1	2	
	6000019	English For Studying Abroad	16	1	2	
	6000069	UPC Intensive Curricula	-	≤3	1-6	
	6012002	Advanced Petroleum Geology(Enrichment mechanism and law of geological resources)	32	2	1	
	6012003	Oil and Gas Reservoir Geology and Reservoir Description (Geological Resources Exploration and Evaluation 1)	32	2	1	
	6013023	Geophysical prospecting	32	2	1	
	6014001	Geophysical Logging (Exploration Geophysical Theory 2)	32	2	1	
Compulsory part	8010101	Literature Reading and Thesis Proposal	-	1	4	
	8010102	Overseas Academic Exchange and Study & Training	-	1	1-8	