

Computer Technology and Resource Information Engineering

Program Code: 0818Z1

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	
	7000024	Modern Applied Mathematics	48	3	1	
Optional course	8012001	Frontier of Geological Resources and Geological Engineering	32	2	1	
	8015001	GIS information computation and big data analysis	32	2	2	
	8015002	Intelligent processing of remote sensing information	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	
	7015001	Theory and method of data processing in surveying	32	2	2	
	7015002	Space photogrammetry	32	2	1	
	7015003	GIS theory and technology	32	2	1	
	5012001	Petroleum Geology	32	2	1	
	5011005	Introduction of Earth Sciences	32	2	1	
	5013002	Seismic Exploration Principles	32	2	1	
	6073003	Machine Learning	32	2	1	
	6071001	Pattern Recognition	32	2	2	
	6073001	Data Science	32	2	1	
Compulsory Part	8010101	Literature Reading and Thesis Proposal	-	1	4	
	8010102	Overseas Academic Exchange and Study & Training	-	1	1-8	