

Oil- Gas Well Engineering

Program Code: 082001

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	
	7021011	Advances in Theory and Technology of Oil & Gas Well Engineering	48	3	2	
Optional course	7021012	Advanced Pipe String Mechanics	32	2	2	
	7021013	Computational Solid Mechanics	32	2	2	
	6024015	Computational Fluid Dynamics	32	2	2	
	7023003	Advanced Chemistry of Oil and Gas Well Engineering	32	2	2	
	7021014	Advanced Well Completion Engineering	32	2	2	select 1 course
	6064007	Advanced Engineering Mechanics Testing	32	2	2	
	7023002	Advanced Colloid Chemistry	32	2	2	
	7021007	Advanced Engineering Thermophysics	32	2	2	
	7021015	Systems Engineering and Intelligent Engineering	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	
	7000024	Modern Applied Mathematics	48	3	1	
	6000069	UPC Intensive Curricula	-	≤3	1-6	
	5021007	Drilling Engineering	56	3.5	2	
Compulsory part	6021030	Modern Well Completion Engineering	32	2	2	
	5021002	Oil Production Engineering	56	3.5	2	
	5023001	Oilfield Chemistry	32	2	1	
	6021022	Theory and Technology of Modern Oil and Gas Well Engineering	48	3	2	
	7064002	Foundations of Solid Mechanics	48	3	1	
	6024004	Advanced Fluid Mechanics	32	2	1	
	8020101	Literature Reading and Thesis Proposal	-	1	4	
	8020102	Overseas Academic Exchange and Study & Training	-	1	1-8	