

Offshore Oil and Gas Engineering

Program Code: 0820Z1

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	
Optional course	6024010	New Technologies of Deep Water Oil & Gas Engineering	32	2	1	
	6024012	Natural Gas Hydrate Production - Fundamentals and Technology	32	2	1	
	7023002	Advanced Colloid Chemistry	32	2	2	
	6024013	Advances in Science and Technology of Offshore Oil and Gas Engineering Equipment and Structures	32	2	1	
	7021007	Advanced Engineering Thermophysics	32	2	2	select 1 course
	6021007	Rheology in Petroleum Engineering	32	2	1	
	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	
	5024005	Offshore Oil & Gas Drilling Engineering	56	3.5	2	select 2 courses
	5024002	Offshore Oil & Gas Production Engineering	48	3	2	
	5024003	Offshore Oil & Gas Gathering and Transportation Engineering	48	3	1	
	5024004	Offshore Oil & Gas Engineering Equipment	32	2	2	
	6024001	Modern Offshore Oil and Gas Engineering	32	2	2	
	6024002	Natural Gas Hydrate and Production Technology	32	2	1	
	6024003	Safety and Environmental Protection in Offshore Oil and Gas Engineering	32	2	1	
	6024004	Advanced Fluid Mechanics	32	2	1	
	6024005	Closed Loop Management Theory and Application of Offshore Oil & Gas Development	32	2	2	
	6024006	Wellbore Safety Testing Technique	32	2	2	
	6024007	Theory and Application of Wellbore Multiphase Flow	32	2	2	
Compulsory part	8020101	Literature Reading and Thesis Proposal	-	1	4	
	8020102	Overseas Academic Exchange and Study & Training	-	1	1-8	