

Oil and Gas Engineering and Technologies

1 course	ECTS
History of Ukrainian society	4,5
Ukrainian for foreign students	8,5
Informatics, Algorithmization and Programming	4,5
Engineering Graphics	4,5
Geology	5,5
Chemistry	6
Physics	6
Mathematics	10
Technical Mechanics and Strength of Materials	7
Geodesy	3,5
Oil and Gas Deposit Geology	4
Basics of Oil and Gas Engineering	6
Educational Training (Geology)	3
Educational Training (Geodesy)	3
2 course	
Philosophy	3
Cultural Studies	3
Ukrainian for foreign students	8,5
Chemistry	6
Electrical Engineering and Power Supply	3,5
Materials Science	3
Hygiene of Labour and Industrial Sanitation	3,5
Hydraulics	4
Transport Systems and Technologies	4
Term Project in Transport Systems and Technologies	0,5
Oil and Gas Mechanics	3
Thermodynamics and Heat Transfer	3,5
Geodesy	3,5
Educational Introductory Practical Training	6
Water-Well Drilling	3
3 course	
Offshore Oil and Gas Technologies	3,5
Oil and Gas Well Drilling	4,5
Term Project in Oil and Gas Drilling	0,5
Mechanisms and Machine Components	4
Metrology, Standardization, Certification and Accreditation	3
Fundamentals of Transportation and Storage of Hydrocarbons	4,5
Oil and Gas Equipment	3,5
Building and repairing oil and gas pipelines	4
Rock Mechanics	3,5
Drilling of Technical Boreholes	3,5
Drilling Fluids	4
Borehole Drilling	3,5
Aerohydraulics at Well Drilling	6
First Industrial Practical Training	6

4 course

Automation of Technological Processes in Oil and Gas	3
Labour Safety in Oil and Gas Industry	3
Oil and Gas Extraction Technologies	3
Environmental Technologies in the Industry	3
Computer Technology and Software for Technological	3
Completion of Boreholes	3
Engineering Logistics	3
Directional Drilling	3
Deep Drilling Technology	3
Exploitation of Oil and Gas Transportation Systems	3
Drilling Mud Mixes	3
Basics of Technical Creativity	3
Civil Security	3
Economics and Production Management	3