

List of subjects for “Oil and gas engineering” field of study

1. Mechanical systems dynamics
2. Research basics, organization and planning of experiment
3. Professional foreign language
4. Innovative projects management
5. Effective communications in groups
6. Automated design engineering
7. Mathematical modeling of technical facilities
8. Foundations and substructures in difficult natural and climatic conditions
9. Modern problems, their solutions and regulatory framework of the branch
10. Theory and methods of technical systems design engineering
11. Heat processes theory
12. Physical modeling of processes
13. Control of technological processes for transportation of oil and petrochemical products.
14. Monitoring and diagnostics of pipeline transport equipment
15. Assessment and calculation of oil and gas facilities residual operation time
16. Assessment of reliability of equipment for gas and oil pipelines and storage facilities
17. Forecasting and assessment of pipeline carbohydrates transportation residual operation time
18. Numerical methods for research on pipeline and storage facilities stress-strain behavior
19. Education internship (internship for getting primary professional skills, including skills for research)
20. Production internship (internship for getting professional skills and experience in the field of study)
21. Production internship (pre-diploma practice)
22. State exams