

List of subjects for “Refrigerating and cryogenic equipment and life support systems” field of study

1. Mathematical modeling of technological processes and complexes
2. Economic justification of project solutions
3. Research basics
4. Professional foreign language
5. Mathematical modeling in engineering
6. Automated design engineering of compressor, vacuum and low-temperature machines and units
7. Monitoring, diagnostics and adjustment of technological equipment
8. Organization and planning of experimental research
9. Computing gas and hydraulic mechanics, heat and mass transfer and computer engineering
10. Staff management
11. Theory and methods for calculation of refrigerating systems and units
12. Technological equipment for vacuum and compressor units
13. Theory and methods for calculation of gas liquefaction and separation systems and their transportation
14. Compressor equipment for mobile and stationary units
15. Education internship (internship for getting primary professional skills, including skills for research)
16. Production internship (internship for getting professional skills and experience in the field of study)
17. Production internship (pre-diploma practice)
18. Production internship (research)
19. State exams
20. Multimedia and remote technology in engineering
21. Modern problems in science and production