List of subjects for “Computer science and computer technology” field of study

Major - Fault-tolerant computing systems and data computer analysis

1. Mathematical modeling and information technology in design
2. Economic justification of design decisions
3. Professional foreign language
4. World view security basics
5. Modern problems of the industry and their solutions
6. Software development technology
7. Protection of intellectual property in computer science and technology
8. Applied problems of probability theory and mathematical statistics
9. Computer systems and network technology
10. Optimization methods
11. Reliability and fault tolerance of computer systems
12. Microcontrollers in technological process control systems
13. Computer analysis, interpretation and data processing
14. Metrology and standardization of information systems and technology
15. Microprocessor technology
16. Systems simulation
17. Modern computer technology in scientific research
18. Supporting subsystems of automated systems
19. Theoretical bases of recognition and digital processing of data and signals
20. Methods of information processes and coding theory
21. Education internship (internship for getting primary professional skills, including skills for research)
22. Production internship (internship for getting professional skills and experience in the field of study)
23. Production internship (pre-diploma practice)
24. Production internship (research)
25. State exams
26. Mobile application development

Major – Information and software support of automated systems

1. Mathematical modeling and information technology in design
2. Economic justification of design decisions
3. Professional foreign language
4. World view security basics
5. Modern problems of the industry and their solutions
6. Software development technology
7. Protection of intellectual property in computer science and technology
8. Applied problems of probability theory and mathematical statistics
9. Computer systems and network technology
10. Optimization methods
11. Computer technology in science and production
12. Reliability and fault tolerance of computer systems
13. Metrology and standardization of information systems and technology
14. Computer analysis, interpretation and data processing
15. Information and software for information protection in automated systems
16. Simulation modeling
17. Management of software projects of automated systems
18. Supporting subsystems of automated systems
19. Information and data
20. Theoretical bases of recognition and digital processing of data and signals
21. Education internship (internship for getting primary professional skills, including skills for research)
22. Production internship (internship for getting professional skills and experience in the field of study)
23. Production internship (research)
24. Production internship (pre-diploma practice)
25. State exams