

### **List of subjects for “Applied computer science” field of study**

1. Mathematical modeling and information technology in design
2. Economic justification of project solutions
3. Professional foreign language
4. World view security basics
5. Software development
6. Intellectual property protection in computer science and technology
7. Business processes reengineering basics
8. Modern problems in field of study and their resolution
9. Applied problems in probability theory and mathematical statistics
10. Computing systems and network technology
11. Optimization methods
12. Intelligent information technology
13. Methods of assessment, analysis and improving business processes
14. Simulation modeling of business processes
15. Comprehensive approach to planning and management of business processes
16. Quality management of business processes
17. Methodology and technology of information systems design
18. Education internship (internship for getting primary professional skills, including skills for research)
19. Production internship (internship for getting professional skills and experience in the field of study)
20. Production internship (pre-diploma practice)
21. State exams