

### **List of subjects for “Nano scale engineering” field of study**

1. Profession-oriented foreign language
2. Project management
3. Management psychology and personal management
4. Business and intercultural communication
5. Project and financial management
6. Organization of research and design and development activities
7. Regulation in professional activity
8. Mathematical modeling and information technology in design
9. Quantum-mechanical modeling of nanostructures
10. Modern construction materials
11. Physics of modern coating production technology
12. Material modification physics
13. Analysis methods of material composition and structure
14. Physics of modern material research methods
15. Modern methods of material hardening
16. Research
17. Physics of nanomaterial synthesis
18. Physical modeling of radiation processes in nano industry
19. Organization of nanomaterial modification technology
20. Education internship (internship for getting primary professional skills, including skills for research)
21. Production internship (internship for getting professional skills and experience in the field of study)
22. Production internship (pre-diploma practice)
23. State exams
24. Material science of nanomaterials and nanosystems