

List of subjects for “Applied mechanics” field of study

1. History
2. Foreign language
3. Philosophy
4. Life safety
5. Physical education
6. Applied physical education
7. Enterprise economics and production management
8. Physics
9. Mathematics
10. Computer science
11. Ecology
12. Applied mechanics
13. Metrology
14. Electric engineering and electronics
15. Material science and construction materials technology
16. Engineering drawing and computer graphics
17. Research
18. Machine engineering basics
19. Machine engineering industry equipment
20. Automatic control theory
21. Management automation in technical systems
22. Hydraulic and pneumatic drive
23. CAD
24. Technical systems reliability
25. Production department design engineering basics
26. Variational calculation basics
27. Structural mechanics of machines
28. Nonlinear systems for automatic control
29. Optimal systems of automatic control
30. Analytical dynamics and oscillation theory
31. Research methodology
32. Automatic control systems elements
33. Mechanics history
34. Mechanic system reliability
35. Micromechanical measuring devices
36. Movement variables measuring systems
37. Structural strength
38. Experimental mechanics
39. Machine engineering technology
40. Composition materials mechanics
41. Optimization of design
42. Application software
43. Engineering analysis software systems
44. Computational mechanics
45. Computing techniques
46. Linear systems synthesis in automatic control
47. Parts processing and units assembly in mechanical system
48. Education internship (internship for getting primary professional skills, including skills for research)
49. Production internship (internship for getting professional skills and experience in the field of study)
50. Production internship (pre-diploma practice)
51. State exams