

List of subjects for “Electric power engineering and electric equipment” field of study

Major - Power-system protection and electrical power systems automation

1. History
2. Foreign language
3. Philosophy
4. Life safety
5. Physical education
6. Economics
7. Physics
8. Mathematics
9. Computer science
10. Ecology
11. Applied mechanics
12. Electrical measurements
13. Technical systems management
14. Electrotechnical and constructional material science
15. Electrical engineering theory basics
16. Engineering drawing and computer graphics
17. Chemistry
18. Research
19. General energy industry
20. Heat engineering theory basics
21. Research basics
22. Electric machine
23. Hydraulic and pneumatic control valve actuator in energy systems
24. Electrical and heat power audit systems
25. Technical systems efficiency basics
26. Power supply
27. Dispatch control information basics
28. Electromagnetic field theory
29. Technological energy carriers for enterprises
30. Heat supply sources and systems
31. Energy audit and energy efficiency basics
32. Industrial electronics
33. Electric drive
34. Applied physical education
35. Electrotechnical devices modeling
36. Computer and microprocessor equipment in electrical machinery
37. Production, transmission and distribution of electric power
38. Secondary resources management in electrical engineering and electric power industry
39. Electrical and electronic equipment
40. Installment, maintenance and operation of electrical equipment
41. Emergency and special operation modes of electrical equipment
42. Emergency and special operation modes of electrotechnical units
43. Intraplant and electrotechnical complexes and systems
44. Intraplant electric supply
45. Automated electric drive
46. Electric drives in technological systems
47. Electrical and technological systems and equipment
48. Electrical and heat power consumers
49. Engineering and construction of electric-power and electrotechnical equipment and systems
50. Engineering and construction of electric-power and electrotechnical equipment
51. Power-system protection of electrotechnical systems basics
52. Electrical facilities management system automation
53. Power electronics
54. Power semiconductor devices and energy converters
55. Education internship (internship for getting primary professional skills, including skills for research)
56. Production internship (internship for getting professional skills and experience in the field of study)
57. Production internship (pre-diploma practice)
58. State exams
59. Elementary mathematics

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Major – Electric equipment and electrical facilities for enterprises and organizations

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Major – Electrical power systems and networks

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