

List of subjects for “Electronic means design engineering and technology” field of study

1. History
2. Foreign language
3. Philosophy
4. Life safety
5. Physical education
6. Physics
7. Economics
8. Mathematics
9. Ecology
10. Computer science
11. Electronic and radio measurement metrology
12. Digital signal processing
13. Network analysis
14. Radio automation and technical systems management basics
15. Engineering drawing and computer graphics
16. Circuit and system engineering in electronic systems
17. Electrodynamics and radio-wave propagation
18. General communication theory
19. Electronic equipment
20. Research
21. Introduction to field of study
22. Digital devices and microprocessors
23. Radio materials and radio components
24. Computer modeling radio electronic devices
25. Radio electronic reliability
26. Radioelectronic means design engineering and production
27. Solid-state and optical electronics
28. Functional electronics
29. Electric power supply for radioelectronic devices
30. Radio circuits and signals
31. Chemistry
32. Ultrahigh frequency devices and antennas
33. Electric and radio measurements
34. Applied physical education
35. Programming languages C/C++
36. Applied mechanics
37. Digital signal processors and their use
38. Systems and methods for computer aided engineering
39. Digital television
40. System-on-a-chip engineering
41. Television and video technology
42. Integral radioelectronic devices
43. Signal generating and forming devices
44. Radioelectronic devices engineering
45. Radio engineering systems
46. Electronic devices production technology
47. Signal receipt and processing devices
48. Information technology for electronic devices engineering
49. Selective analogue devices
50. Software support for automation of design and technological engineering of electronic means
51. Optimization methods (discrete mathematics basics)
52. Micro- and nanoelectronics physics
53. Digital devices synthesis
54. Thermal conditions, mechanical impact and protection of radioelectronic devices
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