

### List of subjects for "Radio engineering" 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. Electrical 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 technology
20. Research
21. Introduction to field of study
22. Digital devices and microprocessors
23. Radio materials and radio components
24. Computer modeling of radioelectronic devices
25. Radioelectronic devices reliability
26. Radioelectronic devices design engineering and production
27. Solid-state and optical electronics
28. Functional electronics
29. Electric power supply for radio-electronic devices
30. Radio engineering circuits and signals
31. Chemistry
32. Ultra-high frequency devices and antennas
33. Electric and radio measurements
34. Applied physical education
35. Programming language C/C++
36. Applied mechanics
37. Digital signal processors and their use
38. Systems and methods of computer-aided engineering and design engineering technology
39. Digital television
40. On-chip system engineering
41. Television and video technology basics
42. Radioelectronic integrated devices
43. Signal generating and signal forming devices
44. Radioelectronic devices design engineering
45. Radio engineering systems
46. Electronic devices production
47. Devices for signal receipt and processing
48. Information technology for electronic devices engineering
49. Analogue selective devices
50. Software support for design and technological engineering of radio electronic devices
51. Optimization methods (discrete mathematics)
52. Micro- and nanoelectronics physics
53. Digital devices synthesis
54. Thermal conditions, mechanical treatment 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