

List of subjects for “Information and communication technology and communication systems” 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 measurements metrology
12. Digital signal processing
13. Radio automation and technical systems management basics
14. Network analysis
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. Radio materials and radio components
23. Digital devices and microprocessors
24. Radioelectronic devices computer modeling
25. Radioelectronic means reliability
26. Radioelectronic means design engineering and production technology
27. Solid-state and optical electronics
28. Functional electronics
29. Electric power supply for radioelectronic devices
30. Radio engineering circuits and signals
31. Chemistry
32. Microwave devices and antennas
33. Electric and radio measurements
34. Applied physical education
35. Radio transmitting equipment for SMS
36. Optoelectronic and quantum devices
37. Cryptography basics
38. Mobile communication systems and networks
39. Optical fiber transmission system design engineering, construction and operation
40. Soft hardware information protection
41. Programmable logic device hardware design
42. Communication systems mathematical modeling
43. Control and access management systems
44. Wideband communication system
45. Metrology in optical telecommunications systems
46. Radio channels and their protection
47. Guiding medium in telecommunications
48. Optical communication system standards and technology
49. Guiding medium in telecommunication networks and their protection
50. Devices for SMS data conversion and processing
51. Optical digital telecommunication systems
52. Technical means of data protection
53. Mobile telecommunication system engineering
54. Telecommunication networks and systems
55. Telecommunication networks and their protection
56. Teletraffic engineering theory
57. Optical guiding medium
58. Legal and institutional networks for information security of networks and systems
59. SMS theory basics
60. Network technology of high-speed data transfer
61. Networks and systems information security
62. Radio receiving equipment
63. Structured wiring system
64. Multiline digital communication systems and their protection
65. Education internship (internship for getting primary professional skills, including skills for research)
66. Production internship (internship for getting professional skills and experience in the field of study)
67. Production internship (pre-diploma practice)
68. State exams