Bachelor Program: 4 years

Institute: Institute of Electronic Engineering & Instrumentation

Study Program: Infocommunication Technologies and Communication Systems

Profile: Mobile communication systems

Language of Training: Russian

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **№** | **Subject** | **Semester** | **Hours** | **Credits** |
| B.1.1.1 | History | 1 | 108 | 3 |
| B.1.1.2 | Philosophy | 5 | 108 | 3 |
| B.1.1.3 | Foreign language | 1 | 108 | 3 |
| B.1.1.3 | Foreign language | 2 | 108 | 3 |
| B.1.1.3 | Foreign language | 3 | 72 | 2 |
| B.1.1.4 | Economics of the infocommunication industry | 4 | 108 | 3 |
| B.1.1.5 | Russian language and speech culture | 1 | 72 | 2 |
| B.1.1.6 | Mathematical analysis | 1 | 180 | 5 |
| B.1.1.6 | Mathematical analysis | 2 | 216 | 6 |
| B.1.1.7 | Probability theory and mathematical statistics | 3 | 180 | 5 |
| B.1.1.8 | Discrete mathematics | 5 | 108 | 3 |
| B.1.1.9 | Computer science | 1 | 180 | 5 |
| B.1.1.9 | Computer science | 2 | 180 | 5 |
| B.1.1.10 | Physics | 1 | 180 | 5 |
| B.1.1.10 | Physics | 2 | 180 | 5 |
| B.1.1.10 | Physics | 3 | 144 | 4 |
| B.1.1.11 | Ecology | 4 | 72 | 2 |
| B.1.1.12 | Computer engineering and information technology | 3 | 108 | 3 |
| B.1.1.13 | General theory of communication | 4 | 180 | 5 |
| B.1.1.13 | General theory of communication | 5 | 144 | 4 |
| B.1.1.14 | Digital signal processing | 6 | 144 | 4 |
| B.1.1.15 | Basics of building infocommunication systems and networks | 3 | 108 | 3 |
| B.1.1.16 | Electromagnetic fields and waves | 5 | 108 | 3 |
| B.1.1.17 | Electronics | 4 | 108 | 3 |
| B.1.1.18 | Theory of electrical circuits | 3 | 108 | 3 |
| B.1.1.18 | Theory of electrical circuits | 4 | 144 | 4 |
| B.1.1.19 | Circuitry of telecommunication devices | 7 | 252 | 7 |
| B.1.1.20 | Engineering graphics (drawing) | 1 | 72 | 2 |
| B.1.1.21 | Descriptive geometry and computer graphics | 2 | 108 | 3 |
| B.1.1.22 | Metrology, standardization and certification in infocommunications | 5 | 144 | 4 |
| B.1.1.23 | Operating safety | 5 | 108 | 3 |
| B.1.1.24 | Physical culture | 1 | 72 | 2 |
| B.1.2.1 | The Rule of law: history and modernity | 2 | 72 | 2 |
| B.1.2.2 | Philosophy of Science and Technology | 6 | 72 | 2 |
| B.1.2.3 | Methods of mathematical physics | 4 | 216 | 6 |
| B.1.2.4 | Chemistry | 1 | 72 | 2 |
| B.1.2.5 | Fundamentals of oscillation theory | 3 | 252 | 7 |
| B.1.2.6 | Physics of vibrational and wave processes | 7 | 108 | 3 |
| B.1.2.7 | Radio transmitting devices of mobile communication systems | 7 | 180 | 5 |
| B.1.2.8 | Radio transmitting devices of mobile communication systems | 8 | 180 | 5 |
| B.1.2.9 | Information technologies in mobile communication systems | 8 | 144 | 4 |
| B.1.2.10 | Theory of teletraphy | 6 | 180 | 5 |
| B.1.2.11 | Mobile communication networks and systems | 7 | 72 | 2 |
| B.1.2.11 | Mobile communication networks and systems | 8 | 108 | 3 |
| B.1.2.12 | Radio circuits and signals | 5 | 180 | 5 |
| B.1.2.13 | Radio wave propagation and antenna - feeder devices | 7 | 180 | 5 |
| B.1.2.14 | Equipment of mobile communication systems | 6 | 108 | 3 |
| B.1.2.15 | Power supply of telecommunication devices and systems | 6 | 216 | 6 |
| B.1.3.1.1 | Psychology | 3 | 108 | 3 |
| B.1.3.1.2 | Engineering Psychology | /3 | /108 | /3 |
| B.1.3.2.1 | Cultural studies | 2 | 72 | 2 |
| B.1.3.2.2 | Culture of everyday life | /2 | /72 | /2 |
| B.1.3.3.1 | Numerical solution of radio engineering and communication problems | 2 | 72 | 2 |
| B.1.3.3.2 | Modern problems of radiophysics | /2 | /72 | /2 |
| B.1.3.4.1 | Microwave and optical range devices | 6 | 108 | 3 |
| B.1.3.4.2 | Solid-state microwave devices | /6 | /108 | /3 |
| B.1.3.5.1 | Standards and technologies of mobile communication systems | 8 | 108 | 3 |
| B.1.3.5.2 | International communication standards | /8 | /108 | /3 |
| B.1.3.6.1 | PC Operating Systems | 4 | 72 | 2 |
| B.1.3.6.2 | Computer networks, protocols, interfaces | /4 | /72 | /2 |
| B.1.3.6.3 | Military training | /4 | /72 | /2 |
| B.1.3.7.1 | Programming in a high-level language | 5 | 72 | 2 |
| B.1.3.7.2 | Basics of Visual Programming | /5 | /72 | /2 |
| B.1.3.7.3 | Military training | /5 | /72 | /2 |
| B.1.3.8.1 | Foreign language for professional communication | 4 | 72 | 2 |
| B.1.3.8.1 | Foreign language for professional communication | 5 | 108 | 3 |
| B.1.3.8.2 | Technical translation | /4 | /72 | /2 |
| B.1.3.8.2 | Technical translation | /5 | /108 | /3 |
| B.1.3.8.3 | Military training | /4 | /72 | /2 |
| B.1.3.8.3 | Military training | /5 | /72 | /2 |
| B.1.3.9.1 | Technical electrodynamics | 6 | 144 | 4 |
| B.1.3.9.2 | The element base of communication technology | /6 | /144 | /4 |
| B.1.3.9.3 | Military training | /6 | /180 | /5 |
| B.1.3.10.1 | Digital television and video recording systems | 8 | 72 | 2 |
| B.1.3.10.2 | Modern television and video equipment | /8 | /72 | /2 |
| B.1.3.10.3 | Military training | /8 | /108 | /3 |
| B.1.3.11.1 | Theory of electromagnetic compatibility | 7 | 216 | 6 |
| B.1.3.11.2 | Optical devices in infocommunication systems | /7 | /216 | /6 |
| B.1.3.11.3 | Military training | /7 | /180 | /5 |
| B.1.3.12.1 | Sports games | 2 | 82 | 0 |
| B.1.3.12.1 | Sports games | 3 | 82 | 0 |
| B.1.3.12.1 | Sports games | 4 | 82 | 0 |
| B.1.3.12.1 | Sports games | 5 | 38 | 0 |
| B.1.3.12.1 | Sports games | 6 | 44 | 0 |
| B.1.3.12.2 | Recreational physical culture | /2 | /82 | 0 |
| B.1.3.12.2 | Recreational physical culture | /3 | /82 | 0 |
| B.1.3.12.2 | Recreational physical culture | /4 | /82 | 0 |
| B.1.3.12.2 | Recreational physical culture | /5 | /38 | 0 |
| B.1.3.12.2 | Recreational physical culture | /6 | /44 | 0 |
|  | **Total** |  | **8104** | **216** |