Bachelor Program: 4 years

Institute: Institute of Electronic Engineering & Instrumentation

Study Program: Information Security

Profile: Security Of Automated Systems In The Field Of Professional Activity

Language of Training: Russian

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **№** | **Subject** | **Semester** | **Hours** | **Credits** |
| Б.1.1.1 | History | 1 | 72 | 2 |
| Б.1.1.1 | History | 2 | 72 | 2 |
| Б.1.1.2 | Philosophy | 5 | 108 | 3 |
| Б.1.1.3 | Foreign language | 1 | 108 | 3 |
| Б.1.1.3 | Foreign language | 2 | 108 | 3 |
| Б.1.1.3 | Foreign language | 3 | 72 | 2 |
| Б.1.1.4 | The rule of law and modernity | 3 | 108 | 3 |
| Б.1.1.5 | Psychology | 3 | 72 | 2 |
| Б.1.1.6 | Economy | 5 | 108 | 3 |
| Б.1.1.7 | Fundamentals of management activity | 8 | 108 | 3 |
| Б.1.1.8 | Algebra and Geometry | 1 | 288 | 8 |
| Б.1.1.9 | Mathematical analysis | 1 | 144 | 4 |
| Б.1.1.9 | Mathematical analysis | 2 | 180 | 5 |
| Б.1.1.10 | Probability theory and mathematical statistics | 3 | 108 | 3 |
| Б.1.1.10 | Probability theory and mathematical statistics | 4 | 144 | 4 |
| Б.1.1.11 | Discrete mathematics | 2 | 144 | 4 |
| Б.1.1.12 | Physics | 2 | 144 | 4 |
| Б.1.1.12 | Physics | 3 | 144 | 4 |
| Б.1.1.13 | Computer science | 1 | 180 | 5 |
| Б.1.1.14 | Programming languages | 1 | 180 | 5 |
| Б.1.1.14 | Programming languages | 2 | 180 | 5 |
| Б.1.1.15 | Fundamentals of information security | 2 | 72 | 2 |
| Б.1.1.16 | Information theory | 3 | 144 | 4 |
| Б.1.1.17 | Programming technologies and methods | 3 | 180 | 5 |
| Б.1.1.17 | Programming technologies and methods | 4 | 180 | 5 |
| Б.1.1.18 | Electrical and circuit engineering | 4 | 144 | 4 |
| Б.1.1.19 | Fundamentals of radio engineering | 4 | 72 | 2 |
| Б.1.1.20 | Methods and means of cryptographic protection of information | 4 | 144 | 4 |
| Б.1.1.21 | Networks and information transmission systems | 5 | 216 | 6 |
| Б.1.1.22 | Organization of computers and computer systems | 5 | 144 | 4 |
| Б.1.1.23 | Operating system security | 5 | 144 | 4 |
| Б.1.1.24 | Computational mathematics | 5 | 144 | 4 |
| Б.1.1.24 | Computational mathematics | 6 | 144 | 4 |
| Б.1.1.25 | Organizational and legal provision of information security | 6 | 144 | 4 |
| Б.1.1.26 | Protection of information from leakage through technical channels | 6 | 180 | 5 |
| Б.1.1.27 | Computer network security | 6 | 144 | 4 |
| Б.1.1.28 | Database system security | 6 | 144 | 4 |
| Б.1.1.29 | Software and hardware means of information protection | 7 | 216 | 6 |
| Б.1.1.30 | Information security of Internet applications | 7 | 144 | 4 |
| Б.1.1.31 | Operating safety  | 7 | 72 | 2 |
| Б.1.1.32 | Fundamentals of Information security management | 8 | 144 | 4 |
| Б.1.1.33 | Security monitoring of automated systems | 8 | 180 | 5 |
| Б.1.1.34 | Physical culture and sports | 1 | 72 | 2 |
| Б.1.2.1 | Descriptive geometry and engineering graphics | 3 | 72 | 2 |
| Б.1.2.2 | Differential equations | 3 | 108 | 3 |
| Б.1.2.3 | Theory of functions of a complex variable | 4 | 108 | 3 |
| Б.1.2.4 | Threats to information security | 7 | 144 | 4 |
| Б.1.2.5 | Comprehensive information security of automated systems | 7 | 144 | 4 |
| Б.1.2.6 | Ensuring the protection of information in automated systems | 7 | 180 | 5 |
| Б.1.3.1.1 | Multimedia technologies | 4 | 144 | 4 |
| Б.1.3.1.2 | Information technology | /4 | /144 | /4 |
| Б.1.3.1.3 | Military training | /4 | /144 | /4 |
| Б.1.3.2.1 | Processing of experimental data on a computer | 5 | 144 | 4 |
| Б.1.3.2.2 | Parallel systems and their programming | /5 | /144 | /4 |
| Б.1.3.2.3 | Military training | /5 | /144 | /4 |
| Б.1.3.3.1 | Unix operating system | 6 | 180 | 5 |
| Б.1.3.3.2 | Solving problems in the Windows operating system | /6 | /180 | /5 |
| Б.1.3.3.3 | Military training | /6 | /180 | /5 |
| Б.1.3.4.1 | Documentation | 7 | 180 | 5 |
| Б.1.3.4.2 | Secure electronic document management | /7 | /180 | /5 |
| Б.1.3.4.3 | Military training | /7 | /180 | /5 |
| Б.1.3.5.1 | Mathematical modeling | 8 | 108 | 3 |
| Б.1.3.5.2 | Data processing structures and algorithms | /8 | /108 | /3 |
| Б.1.3.5.3 | Military training | /8 | /108 | /3 |
| Б.1.3.6.1 | Sports games | 2 | 82 | 0 |
| Б.1.3.6.1 | Sports games | 3 | 82 | 0 |
| Б.1.3.6.1 | Sports games | 4 | 82 | 0 |
| Б.1.3.6.1 | Sports games | 5 | 38 | 0 |
| Б.1.3.6.1 | Sports games | 6 | 44 | 0 |
| Б.1.3.6.2 | Recreational physical culture | /2 | /82 | 0 |
| Б.1.3.6.2 | Recreational physical culture | /3 | /82 | 0 |
| Б.1.3.6.2 | Recreational physical culture | /4 | /82 | 0 |
| Б.1.3.6.2 | Recreational physical culture | /5 | /38 | 0 |
| Б.1.3.6.2 | Recreational physical culture | /6 | /44 | 0 |
|  | **Total** |  | **7780** | **207** |