**10.04.01 Information Security "Ensuring the security of critical information infrastructure facilities"**

The main feature of the program is the focus of educational process on the basis of a unique educational and laboratory complex, consisting of modern high-tech instrumentation, hardware and software for information protection and specialized software for monitoring the effectiveness of information protection. Significant attention is paid to the development of practical skills to identify technical channels of information leakage, vulnerabilities in software and electronic component base, information security tools certification testing and certification of informatization objects according to information security requirements.

*Unique disciplines:*

- Fundamentals of Nuclear Cybersecurity
- Targeted attacks on computer systems
- Fundamentals of Secure Application Development
- Information Security Testing Basics
- Fundamentals of Incident Prevention and Risk Mitigation
- Information security fundamentals of critical facilities
- Methods and means of monitoring the effectiveness of information protection from unauthorized access
- Security systems of significant objects of critical information infrastructure
- Methods for identifying undeclared capabilities in electronic equipment

*Professional opportunities:*

- FSTEC of Russia
- Kaspersky
- Rosatom
- RPA «Echelon»
- PJSC Gazprom Corporate Security Service
- Rosenergoatom Concern OJSC
- Research Institute "Quantum"
- FSUE SNPO Eleron