

# Information Security and Intelligence Analysis for Financial Monitoring

National Research Nuclear University MEPhI (Moscow Engineering Physics Institute)

Degree or qualification is awarded: **Master degree**

Language of study: **Russian**

Mode of study: **full-time**

Duration: **2 years**

Availability of free education: **yes**

Price: **156 000 rubles per semester**

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**Program objective:** Provide master degree graduates qualified to perform systems analysis and protect information for executive authorities (the Federal Financial Monitoring Service, law enforcement agencies) and private sector (banking, leasing, insurance, jewelry, real estate companies, etc.).

The program is designed to address urgent tasks related to the national system for combating money laundering and financing of terrorism (AML/CFT) and, first of all, to foster and regularly provide qualified specialists for all federal units within the system.

**Professional skills:** research, engineering, and technology that address AML/CFT issues.

**Qualified specialists should be able to:** conduct comprehensive performance analysis of governmental or backbone financial and economic units in order to detect threats to the national security of the Russian Federation; identify, classify and thoroughly analyze any information objects that may be involved in the preparation and/or commitment of financial or economic crimes; and develop and employ technologies for automated real-time processing of big financial and/or economic data.

**Curriculum features:** A two-year master's degree curriculum 'Information Security and Intelligence Analysis for Financial Monitoring' combines theory and research (practice). In addition to core subjects, such as advanced mathematics and specialty-tailored economics, the curriculum also includes extended analytics as related to law enforcement activities (including cutting-edge data analysis technologies), legal competence (AML/CFT and supervisory activities) and language skills. Master's degree subjects include "Special Branches of Mathematics", "Systems Analysis", "Special Technologies for Databases and Information Systems", "Basics of Financial Investigations", "Decision-making Theory", "Combating the Financing of Terrorism and Extremism", "Efficiency Evaluation", "Basics of Risk Management", "Open Source Intelligence (OSINT)". Part of the curriculum is also implemented in English.

**The list of entities for graduate practice and employment:** Federal Financial Monitoring Service, Rosatom State Corporation, Federal Grid Company of Unified Energy System, Rostec Corporation, Bank of Russia, Sberbank, Russian Railways, Gazprom, InfoRus, FORS, Russian Presidential Property Management Department, etc.

## Specializations within this programme

### Information security

Qualification areas:

- Economics (national and international)
- National AML/CFT system
- Information technology (including information security technologies) used in the AML/CFT systems

- International AML/CFT system
- Analysis and financial investigations
- Data mining technology and deliverables
- Information resources