

# Information Security of Financial and Economic Units

National Research Nuclear University MEPhI (Moscow Engineering Physics Institute)

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

Language of study: **Russian**

Mode of study: **full-time**

Duration: **5,5 years**

Availability of free education: **yes**

Price: **124 150- 166 300rubles per semester**

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Program objective: Provide qualified specialists in financial intelligence and information security for national and international AML/CFT systems.

Professional skills: Ensuring financial security of the state, governmental agencies, management bodies, and banks.

The 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: The educational process is focused on fundamental physics, mathematics and engineering competence to study both basic and specialty-tailored disciplines. In addition, a specialist graduate must be aware of legal aspects of these activities and, therefore, he or she has to study "Economics", "Law", "Financial Law", and "Banking Law".

Furthermore, the program includes the following courses: "International AML/CFT System", "National AML/CFT System", "Basics of Financial Investigation", "Analysis of Financial Fraud Typologies", and "Combating the Financing of Terrorism".

The program is also designed to foster a specialist in information technologies used in AML/CFT systems. Therefore, the education process involves the following software products: IBM, Oracle Data Mining, etc.

The program provides advanced language competence and an insight into professional information and analytics software products.

The list of entities for graduate practice and employment: Federal Financial Monitoring Service (Rosfinmonitoring) and its regional branches in Russia, governmental agencies, law enforcement agencies, credit and non-credit institutions (insurance, leasing, real estate, factoring, jewelry, gambling, etc.), financial intelligence units of EAG state members, and IT companies (FORS, Technoserv, CROC).

## Specializations within this programme

### Information and analytical security systems

Qualification areas:

- Economics (national and international)
- National AML/CFT system
- International AML/CFT system