

"DATA RETRIEVAL, TRANSMISSION AND PROTECTION TECHNOLOGIES".

(name of the discipline)

ANNOTATION

TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION

Specialty 1-40 80 02 "System analysis, management and information processing" (by branches)

Professionalization: Information Control Systems

II level of higher education (master's degree)

	Form of higher education
	Full-time
Course	1
Semester	1
Lectures, hours	26
Laboratory, hours	36
credit, semester	1
Classroom hours in the educational discipline	62
Independent work, hours	58
Total hours for the discipline / credit units	120/3

1.Summary of the contents of the study discipline

Formation of specialists, who can reasonably and effectively apply existing and master new information technologies, formation of students' conception of the role of information technologies in digital economy.

2 Learning objectives

As a result of studying the academic discipline, the student should

know:

- the scope and role of financial markets in the economy;
- Methods of application and implementation of algorithmic trading;
- technologies of decentralized data storage;
- principles of working with big data;
- methods of machine learning in financial technology;
- The concepts of ICO and IPO, 2Pre-ICO, 3ICO and crowdfunding.

be able to:

- work with basic software tools of information technology;
- make reports and presentations on given topics, using sources in Russian and English .

master:

- Ethereum platform for Blockchain implementation ;
- Hadoop tools for working with big data;
- innovation tools;
- methods of information security management.

3. Competencies to be formed

SC-9

4.Requirements and forms of current and intermediate attestation.

ZLR, TA, credit.