



**DIGITAL
ENTERPRISE ECONOMICS
AND MANAGEMENT IN THE FUEL
AND ENERGY SECTOR**

MASTER'S DEGREE PROGRAMME



PROGRAM ADVANTAGES

- ✓ The Program trains highly-employable specialists in Digital Enterprise Economics and Management in the Fuel and Energy Sector, equipped with knowledge of digital economy so as to apply new skills in modern-day fuel and energy companies, as well as competencies in economic activity in the fuel and energy industry.
- ✓ The student body of the Program is formed through employees placed for training by their companies. The instruction therefore is performed on the company premises.
- ✓ The Program utilizes the project-based approach which helps to build a finalized, ready-to-implement project by the end of study.
- ✓ Thesis and course papers subjects are determined by the goals and needs of the partner enterprise, with student research supervised by highly competent industrial experts.
- ✓ It is possible to design an individual academic schedule. Master's degree classes take place in the evenings, which allows to have work-study integration.



STUDYING PROCESS

120 credits.

Lectures, practicums and self-study, research activity on the master level (1st and 2nd years of tuition) and pre-graduate practice (2nd year)



DIGITAL ECONOMICS IN ENERGY SECTOR

- Global trends of industrial development.
- Innovations in business management.
- Marketing in digital economy.



BLOCKCHAIN TECHNOLOGY IN ELECTRICAL POWER INDUSTRY

- Blockchain: basis for cryptocurrencies.
- Blockchain: basis for contracts.
- Blockchain: applications for use outside financial sector.
- Blockchain 3.0: social efficiency and coordination.
- Advanced concepts.
- Restraints.
- Qualitative marketing research.



DATA MINING AND DECISION-MAKING

- Data analysis technology based on Data Mining.
- Data consolidation.
- Data transformation in Data Mining and its use in decision-making.



ECONOMICS AND MANAGEMENT IN POWER COMPANIES

- Modern-day equipment and technologies in power industry.
- Power production management.
- Investment management in power industry.
- Wholesale and retail power and capacity markets.
- Power company management.
- Business planning in economic activities of power companies.



LEGAL REGULATION OF BUSINESS ACTIVITIES IN ENERGY SECTOR

- Concept, principles and sources of business law.
- Legal status of entrepreneurs.
- Legal regulation of financing and crediting in business activities.
- Legal regulation of settlements in entrepreneurial activity.



PROJECT MANAGEMENT IN ENERGY SECTOR

- Project management: basic concepts.
- External and internal project environment.
- Economic aspects of projects.
- Project communications management.



DIGITAL ENTERPRISE STRATEGIC MANAGEMENT

- Shift of paradigm in project management.
- Building a new infrastructure.
- Changing personnel and business processes.
- Strategic stage of digitalization.



STUDENTS FEEDBACK



NIKOLAY GORBATYUK

“ I am Nikolay Gorbatyuk, a first year Economics student (concentrating on Digital Enterprise Economics and Management in FES) at the Department of Digital Enterprise Economics and Management in FES of the Faculty of Economics.

This program not only gives me knowledge of the contemporary theory of digitalization and digital transformation but also the possibility to try my hand at it in practice. The academic staff consists of experts and practitioners of this field, which helps see the problems from different angles and perspectives, while learning about both economical and socio-economic and cultural underpinnings of digital management. ”



IRINA TINGAYEVA

“ My name is Irina Tingayeva and I am currently pursuing the Digital Enterprise Economics and Management in FES master program at the eponymous department of the Center for Industries Management.

This educational program allows to acquire not only theoretical, but also a host of practical skills thanks to the professional approach of the academic staff and the possibilities provided by the Center of Industries Management and the Department. The students are granted the opportunity not only to learn about not only the leading projects of enterprise digital transformation but also to have a hand-on experience with them, which is an indisputable advantage, as you need extensive knowledge to grow into a professional in your area of choice. ”



HEAD OF THE PROGRAMME

VLADIMIR UKOLOV



Doctor of Economics, Professor, Head of the Department of Digital Enterprise in the Fuel and Energy Sector at the Center for Industries Management of the RUDN Faculty of Economics.

Doctoral Thesis: Management of the Social and Economic Efficiency of Utility Services.

AREAS OF RESEARCH CONCENTRATION:

Economics, Digital Management, Digitalization, Digitalization in the Fuel and Energy Industry, Digital Economics.

Holder of the Russian Government Award in Education.

Multiple grantee with Russian scientific foundations for research and scientific events.

Author of scientific papers in peer-reviewed Russian and foreign academic journals (SCOPUS, Web of Science, journals approved by the Higher Attestation Commission (VAK)), a regular speaker at Russian and international conferences in Economics and Digital Economics. Author of Russian and international course books and monographs. Editor-in-Chief of the Vestnik MIRBIS scientific journal included in the VAK-endorsed list of publications).