Master's Degree Program

DIGITAL ECONOMY

The Master's program is aimed at training highly qualified specialists who, having mastered the program, can carry out professional activities in the field of information and communication technologies (in the field of design, development, modernization of information systems, management of their life cycle). In the course of training, students gain knowledge and skills in the field of augmented and virtual reality, computational linguistics and artificial intelligence, cloud technologies. Thanks to the opportunity of work in the Scientific and Educational Laboratory «Digital platforms for production and enterprise management», students follow all stages of the research process from problem formulation to its solution and analysis of the results.

Prerequisites:
- Bachelor’s degree / specialist (a copy of your diplomas from previous university studies and transcripts of completed courses and grades)
- results of the entrance test
- a motivation letter and letters of recommendation may also be required

Qualification: Master’s degree in Applied Computer Science

Skills/ objectives:
- Solving problems of business and economy in the conditions of digitalization
- Solving problems of building modern computer systems based on artificial intelligence
- The managerial decision making for the company on the basis of the trends in information technology and digital services
- Research of applied and information processes, use and development of formalization and algorithmization methods for information processes
- Organization and management of information processing

Program length: 2 years
Starting date: September, 1st
Language of instruction: Russian
Tuition fee per year: 181,856 rubles (~2 414 USD)
Program Leaders: Prof. Alena STUPINA

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Doctor of Technical Sciences, Head of the Department «Digital Management Technologies», School of Business Management
DIGITAL ECONOMY

CURRICULUM

- Methodology of science and technology
- Mathematical models and methods
- Foreign language of business and professional communication
- Information management
- Cyber-physical systems
- Information security
- Legal regulation of the electronic environment
- Big-data (models, methods, technologies)
- The business models of the digital enterprise
- Multi-agent systems
- Data Mining
- Digital financial assets
- IT-infrastructure of digital enterprise
- Cloud computing technologies

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