

Federal State Autonomous Educational Institution of Higher Education  
Peter the Great St. Petersburg Polytechnic University

**PASSPORT OF THE EDUCATIONAL PROGRAM**

38.04.05\_04 "Digital Healthcare"  
in the field of training  
38.04.05 "Business Informatics"  
Qualification: Master

St. Petersburg

## **Description of the educational program**

Success in managing a medical organization is a high-quality provision of medical services combined with the economic efficiency of a medical organization.

Patient focus, accessibility and quality of medical care, the use of modern digital technologies encourage the management of medical organizations to look for new approaches to the formation of a modern management system for such companies.

Graduates of the program will have the competencies required to work in positions in the areas of medical business and IT infrastructure development, managers of various levels, managers of reorganization projects in medical organizations, business analysts in the healthcare sector.

## **Key features of the program**

A feature of the preparation of masters in this program is the combination of fundamental knowledge in the field of business management, information and communication technologies and methods of their practical application, developed on the basis of training cases developed in cooperation with medical and IT companies of St. Petersburg (FSBI NMRC named after V. A. Almazov of the Ministry of Health of Russia, Group of clinics "SOGAZ MEDICINA", LLC "Netrika"). Classes are taught both by university lecturers with international certifications and by lecturers with practical managerial experience in medical and IT companies

## **Profile disciplines**

- Medical information systems
- Personnel policy of a medical organization
- Resource management of a medical organization
- Modern technologies of medical care management
- Foreign language: in medicine
- Foreign language: business English

## **Graduate professions**

- Director of Business Development of a medical organization
- CIO of a medical organization
- Head of the project office of a medical organization
- Head of Organizational Development Department
- Project manager for the implementation of information systems
- Business analyst
- Business architect

## **Examples of graduation work topics**

- Development of a decision support system for the management of hospital beds
- Development of a comprehensive solution and methodology for its use for the rehabilitation of patients based on the "Internet of Things" technology
- Development of a procedure for conducting a security audit of an information system in a medical clinic
- Design and development of an information system to support business processes in organizations providing services in the field of healthy lifestyles
- Integration of information systems in the Federal Medical Center.
- Analysis of the relationship between the characteristics of IT projects and the use of approaches to the development and management of IP requirements in a medical center
- Development of an approach to reengineering business processes and organizational structure of a medical organization

## Research projects

---

Project No. 19-010-00579 "Increasing the economic efficiency of the management of medical organizations in the digital economy", head prof. Ilyin I.V.)

---

RFBR 2020-2022: Methodology for the implementation of end-to-end digital technologies in the system of geographically distributed medical organizations (Supervisor: Dubgorn A.S.)

---

## Scientific laboratories

---

Research Laboratory of Digital Technologies in Education and Business

---

## Partners

---

FSBI NMRC named after V. A. Almazov of the Ministry of Health of Russia

<http://www.almazovcentre.ru/>

---

LLC «Netrika»

<https://netrika.ru>

---

Group of clinics «SOGAZ MEDICINA»

<https://www.sogaz-clinic.ru>

---

## Contacts

Email address: [ilyashenko\\_oyu@spbstu.ru](mailto:ilyashenko_oyu@spbstu.ru)

Phone: +7 (812) 550-36-52