

Peter the Great St. Petersburg Polytechnic University

PASSPORT OF THE EDUCATIONAL PROGRAM

38.04.02_15 " Management in the oil and gas complex"

Major: 38.04.02 «Management»

Qualification: Master

Approved «_» _____

Saint-Petersburg

Description of the educational program

The study of the basic disciplines of the direction "Management" allows you to apply the methods of scientific work in solving managerial problems at the enterprises of the oil and gas industry in Russia. The objectives of the program are determined by the need to prepare highly qualified specialists with theoretical knowledge and practical skills in the field of economics and management of the oil and gas complex for enterprises of the rapidly developing oil and gas industry, as well as related enterprises of the fuel and energy complex (FEC) of the country.

Key features of the program

A feature of this educational program is its close relationship with its industry partner, Gazprom Neft PJSC, for which the Polytechnic University is a pivotal university. In addition, partnerships have been established with major research centers such as VNIGNI. For them, within the framework of the implementation of this educational program, the university carries out not only targeted training of management personnel with subsequent guaranteed employment, but also conducts joint R&D, including in the field of projects for the development of Arctic deposits, the development of digital technologies in the oil and gas complex based on the university's supercomputer.

Profile disciplines

- Project management in the oil and gas complex
- Logistics and supply chain management in the oil and gas complex
- Business planning and analysis of investment projects
- Innovation management

Graduated students professions

- Manager in the oil and gas complex
- Oil and Gas Project Management Manager
- Purchasing manager in the oil and gas complex
- Risk manager in the oil and gas complex
- Sales manager for petroleum products

Examples of graduation paper topics

- Increasing the economic efficiency of an offshore oil and gas field development project
- Assessment of investment risks in the development of oil and gas fields in the Arctic region
- Assessment of the economic efficiency of the implementation of an offshore oil project, taking into account the impact of sanctions risks (on the example of the Dolginskoye field of PJSC Gazpromneft)
- Improving the efficiency of LLC Transneft-Baltika by upgrading equipment
- Risk management at oil and gas enterprises (for example, PJSC TATNEFT)
- Assessment of the investment attractiveness of the development of unconventional oil resources of Buda limestone in South Texas

Research projects

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| RFBR Grant No. 20-110-50325 / 20 "Review of approaches to interstate interaction of circumpolar countries in the development of the Arctic" |
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| "Presentation of the design and manufacture of a construction object in the conditions of permafrost instability: the life cycle of a construction object in the form of an alternative graph" |
| Grant of the Russian Science Foundation 14-38-000092014 "Program-targeted management of the integrated development of the Arctic zone of the Russian Federation" |
| RFBR grant 17-02-00248 "Innovative factors in the development of the Arctic shelf and problems of import substitution" |
| Analytical review of the current state of domestic achievements in the field of geological and geophysical work on hydrocarbon raw materials. Ministry of Natural Resources of the Russian Federation, state registration number 1771025628918000017 |
| Grant of the Russian Science Foundation No. 14-38-00009 "Program-targeted management of the integrated development of the Russian Arctic zone" |
| RFBR grant No. 16-32-00040 "Theoretical and scientific-methodological foundations of industrial development management in the Far North" |
| Review of approaches to interstate interaction of circumpolar countries in the development of the Arctic |

Partners

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| PJSC "Gazprom Neft" |
| https://www.gazprom-neft.ru/ |
| Gazprom Neft - exploration and development of oil and gas fields, oil refining, as well as the production and marketing of oil products. Gazprom Neft is the technology leader in the Russian oil and gas market. Production of fuel, oils and bitumen for business and retail customers, refueling aircraft, developing a network of filling stations. |
| JSC "LOESK" |
| https://loesk.ru |
| JSC LOESK, being a natural monopoly in the electric power industry in the Leningrad Region, strictly complies with the requirements of the current legislation, including the antimonopoly one, aimed at maintaining free and fair competition. The strategic mission of JSC LOESK is to ensure a reliable, uninterrupted supply of electricity 24/365 to consumers in the Leningrad Region, take a leading position in the energy market, be a reliable partner for investors, take care of the interests of shareholders and meet the highest customer requirements. Transitioning to international standards of business transparency, environmentally responsible operation of facilities and innovative social policy, the company should become a benchmark for the energy complex of the region. |
| PJSC "TGC-1" |
| https://www.tgc1.ru/ |
| PJSC TGC-1 is a leading producer of electric and thermal energy in the North-West region of Russia. It unites 52 power plants in four constituent entities of the Russian Federation: St. Petersburg, the Republic of Karelia, Leningrad and Murmansk regions. 19 of them are located above the Arctic Circle. Installed electric capacity is 6.9 GW, heat capacity - 13.51 thousand Gcal / hour. |

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