<table>
<thead>
<tr>
<th>Polytechnic Institute</th>
<th>Study field 21.03.01</th>
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<tbody>
<tr>
<td>Bachelor’s degree programme</td>
<td>Qualification – Bachelor</td>
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<tr>
<td><strong>Oil and gas business</strong> (orientation: Arctic Shelf Oil and Gas Facilities Operation and Maintenance)</td>
<td>Mode of study – <strong>full-time, correspondence, correspondence shortened</strong></td>
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**Learning outcomes**

Upon successful completion of this program, the students should be able to:

- have an in-depth knowledge and understanding of the processes and technologies involved in the production, separation, and secure transport of oil and gas;
- use analysis tools and skills acquired to plan for drilling and safe recovery of oil and gas for different types of reservoirs;
- use mathematics, basic science, and engineering techniques to solve problems related to oil and natural gas production;
- be familiar with the elements of oil and gas energy systems and their important role in the recovery and production of hydrocarbons;
- use available simulation software to reconstruct a three-dimensional model of drilling modes;
- have deep knowledge of engineering concepts and technical requirements associated with production facilities on shelf;
- be aware of possible ways of dealing with faults and accidents on shelf.

**Job prospects**

This programme will allow graduates to pursue the career in the following job places:

- drilling rigs,
- oil and gas companies,
- hydrocarbons transport and storage enterprises

**Basic courses**

- Underground Hydromechanics;
- Construction and Operation of Oil and Gas Pipelines and Storages;
- Development and Operation of Oil and Gas Fields;
- Oil and Gas Wells Drilling;
- Oil and Gas Transport and Storage;
- Oil and Gas Collection and Preparation on Site;
- Drilling Modes Modeling

**Entrance exams**

- Russian
- Physics
- Mathematics

- Tuition fee – **RUB 96 600,00**
  (for academic year 2014/15)