

Education program

**“Oil and Gas Engineering”**

The duration of study is - 4 years (bachelor program)

- 2 years (master program)

**The chair, supervising the program is ‘Technological Processes, Devices and Technosphere Safety’.**

The training profile ‘Operation and maintenance of transportation and storage of oil, gas and refined products’.

Students will study:

- Equipment and technologies of pipeline oil and gas transportation;
- Equipment, technology of storage and marketing of oil, oil products and liquefied gas;
- Technological processes of oil and gas production;
- Designing, installation and operation of transportation and storage equipment for oil, gas and oil products;
- Technologies of oil and gas production, petrochemistry;
- Control tools with the use of information technologies in oil and gas industry.

Core disciplines:

- Chemistry of oil and gas;
- Oil and gas pipeline transport;
- Pumps and compressors;
- Oil and oil products storage equipment;
- Technologies and equipment of basic productions of petrochemical industry;
- Design of oil and gas industry facilities;
- Installation of oil, gas and processed products transportation facilities;
- Operation, diagnostics and repair of oil and gas pipeline and storage facilities;
- Treatment facilities for oil and oil products transportation and storage facilities;
- Automation of technological processes of oil and gas production;
- Information-technic means of pipeline systems control;
- Industrial safety in oil and gas industry.

Classes are held in special training laboratories ‘Diagnostics and maintenance of components and parts of pipeline transportation equipment’, ‘Oil and gas pipeline transport’, ‘Security systems in oil and gas industry’. All laboratories are equipped with modern technologies and automation tools.

The length of supply of oil and gas pipelines in the Russian Federation is more than 300 thousand km. Oil and gas pipelines supply pass through the territory of Tambov region, oil pumping and compressor stations and large oil tank farms are located in the region.

Students undergo practical training in leading Russian companies such as ‘Gazprom’, ‘Rosneft’ and other enterprises of oil and gas industry. There are two branches of ‘Gazprom’ and two branches of ‘Rosneft’ in Tambov region. Leading experts of ‘Gazprom’ and ‘Rosneft’ companies are involved in conducting classes; supervise students’ practical training and graduation thesis.

Students have the opportunity to engage in research work related to oil and gas processing technologies. The University has a PhD programs department and a dissertation council for thesis defense on the specialty ‘Processes and Devices of Chemical Engineering’.

Currently more than 50 students from Iraq, Syria and Egypt study at the University under the specialty “Oil and Gas Engineering”.