

### **15.03.02 TECHNOLOGICAL MACHINES AND EQUIPMENT**

A modern specialist in the field of engineering of technological machines and equipment is the engine of the technological revolution, since it is he who creates advanced machines for high-tech industrial production in the conditions of the new economy. A wide range of acquired skills and theoretical knowledge allows the graduate to support innovative specialized machines throughout the entire cycle of his activity - from the generation of an idea and its implementation to a thorough analysis of possible operational risks.

#### **Where will they teach?**

"Technological machines and equipment" is one of the areas of the technological faculty of USTU.

The duration of full-time study is 4 years, and the duration of part-time study is 5 years.

#### **Number of seats:**

**30 budget places for full-time education,**

**25 budget places for part-time and full-time education,**

**25 places under the agreement on the provision of paid educational services in full-time and part-time education.**

#### **What will they teach?**

- maintain electric drives, hydraulic drives and pneumatic drives ;
- master, maintain and use various machines, systems and complexes;
- monitor compliance with safety regulations and the production of defective products;
- set up production facilities for the manufacture of new products.

#### **What job?**

The equipment specialist is responsible for a set of measures without which it is impossible to operate special machines in a particular area. Monitors the commissioning of new equipment. Checks the operability of machines. Sets up the required operating mode. Diagnoses breakdowns, explains their causes. Performs both urgent and scheduled repairs. Maintains documentation. If necessary, orders consumables and parts. Manages issues of purchasing new equipment for plants, enterprises, factories, etc.

#### **Future Professions**

- Engineer of various categories
- Apparatus operator
- Operator of complex machines and systems
- Safety engineer
- Quality Control Engineer
- Designer
- Industrial equipment fitter
- Constructor
- Mechanic
- Locksmith
- Technologist

Specialists in the field of technological machines and equipment are in demand in all branches of production: mechanical engineering, oil production, metallurgy, road construction, forestry and other industries. Graduates work at Gazprom Transgaz Ukhta LLC, Transneft Sever JSC, Spetsneftetrans JSC , LUKOIL- Ukhtaneftepererabotka LLC , Spetsavtodor and many others.