

### **13.02.13 OPERATION AND MAINTENANCE OF ELECTRICAL AND ELECTROMECHANICAL EQUIPMENT**

Modern man cannot imagine life without the use of electric energy. Every day – at work and at home – we deal with a variety of electrical devices and equipment. Service maintenance and repair, as well as adjustment and setup of household machines – the sphere of activity of electrical technicians, electromechanics and electricians.

The scope of work of graduates is the operation of electrical substations, electrical networks, power lines, repair of electrical machines, electrical equipment of transport devices (cranes, elevators), maintenance of relay protection equipment and automation systems.

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

The specialty "Technical operation and maintenance of electrical and electromechanical equipment" is one of the areas of training at the Mining and Oil College of the Industrial Institute of USTU.

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

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

**35 contractual places for full-time study.**

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

- Perform setup, adjustment and testing of electrical and electromechanical equipment.
- Organize and perform maintenance and repair of electrical and electromechanical equipment.
- Carry out diagnostics and technical control during the operation of electrical and electromechanical equipment.
- Prepare reporting documentation on the maintenance and repair of electrical and electromechanical equipment.
- Organize and perform work on the operation, maintenance and repair of household appliances.
- Carry out diagnostics and control of the technical condition of household appliances.
- Predict failures, determine resources, detect defects in electrical appliances.
- Participate in planning the work of the production unit personnel.
- Organize the work of a team of performers.
- Analyze the results of the activities of the team of performers.

#### **What job?**

- Electrician for repair of electrical equipment;
- Technician, senior technician;
- Electrical technician;
- Electrical technician;
- Electrician for testing and repairing electrical equipment;
- Electrician for maintenance of electrical equipment of power plants