

13.04.02 ELECTRIC POWER AND ELECTRICAL ENGINEERING

The educational program "Electric drive and automation" is implemented in the direction 13.04.02 "Electric power and electrical engineering" - an excellent direction for deepening knowledge in the field of automation of technological processes and studying the modern approach and innovations in the field of electric drive. This specialty is aimed at training qualified personnel for research organizations, electric power industry enterprises and other industries, small and medium-sized businesses, higher and secondary educational institutions.

Field of professional activity of graduates:

- design and operation of electric power systems, electrical complexes, power supply systems, automation and mechanization of production.

Tasks of professional activity of graduates:

- development and analysis of generalized solutions to the problem; forecasting the consequences of decisions made; finding compromise solutions in conditions of multi-criteria and uncertainty; project implementation planning; assessment of the technical and economic efficiency of decisions made.

- selection of appropriate solutions and preparation of sections of pre-project documentation based on standard technical solutions for designing objects of professional activity.

Objects of professional activity of graduates:

- automated electromechanical complexes and systems electric, drive, automation of mechanisms and technological complexes.

Graduates of the specialty can work in the following professions:

- electrification engineer of an agricultural enterprise;
- maintenance and repair engineer;
- engineer for relay protection and electric mobility;
- service engineer for insulation and surge protection;
- power supply line maintenance engineer;
- substation maintenance engineer;
- service engineer for distribution networks;
- agricultural energy research engineer;
- electrical engineer in the power industry;
- electronic engineer of systems for the production of alternative and renewable energy;
- research associate.

The implementation of the educational program 13.04.02 "Electric power and electrical engineering" is carried out by the Faculty of Technology of USTU.

The duration of training is 2 years and 5 months.

The number of places of full-time and part-time education under the agreement on the provision of paid educational services is 20.