

SPECIFICS OF EDUCATIONAL PROGRAM “ENERGY SAVING AND RENEWABLE ENERGY SOURSES”

1 Main objectives and tasks

Main objective of the program is training of the skilled workers intended for the solution of design, production, technological and research tasks in the field of development of new power effective and energy saving technologies and the equipment for enterprises, organizations and establishments.

The bachelor has to solve competently and responsibly integrated problems of the allocated kinds of activity:

- a) design activity;*
- b) production and technological activity;*
- c) organizational and administrative activity;*
- d) research activity;*
- e) assembly and adjustment activity;*
- e) service and operational activity.*

2 Expected final results

After completion of training graduates become the qualified experts in the field of energy saving and renewable energy sources which will find applications for the knowledge at the enterprises of any form of ownership: in Scientific Research institute, at the enterprises of power, the industry, agrarian and industrial complex, technical departments of government bodies, in the construction and design organizations, the network companies, in the organizations of production and delivery of energy carriers.

The graduates in the specialty in practice can design, install and adjust any systems of power supply and automatic equipment, would eliminate malfunction in electric equipment, competently operate power economy of any enterprise (industrial, agricultural, overworking); fully own receptions of the organization and service of electric networks of settlements.

3 Model of the graduate

The bachelor in compliance the purposes of the Educational program and problems of professional activity has to:

1. Show knowledge and understanding in the field of the studying, formed on the basis of the general secondary education and include the certain aspects connected with the most advanced knowledge in the field of studying.
2. Application of the knowledge and understanding in the way testifying to professional approach to work or to a profession, also have the competences which are usually shown by means of formation and justification of arguments and the solution of problems within area of studying.
3. Carry out collecting and information interpretation for development of judgments taking into account social, ethical and scientific reasons.
4. Communicative abilities: give information, ideas, problems and the decision, both to experts, and no specialists.
5. Have such abilities in the field of training which are necessary for training continuation with high degree of autonomy.

Dean of Energy faculty

S. S. Issenov

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