



# 7M008702 - “Energy supply of agriculture”



## Be able to:

- design energy-saving lighting systems with automation of operation modes of lighting equipment.
- design energy-efficient electromechanical systems in agriculture
- substantiate energy supply systems for agricultural consumers using local energy resources;
- to substantiate the parameters and design modern control systems for technological equipment
- design automation and robotization systems for technological processes in agriculture
- to justify the parameters of technical means for energy saving of technological processes



## To know and understand:

- modern directions of scientific research activities in the field of organization of scientific experiment and modeling of processes in energy devices and systems
- the basic principles of energy saving in an electric drive, the ability to justify the parameters of an energy-saving drive and control system, the ability to develop modern control systems for technological equipment
- methods of analyzing indicators of the quality of agricultural energy supply and the ability to substantiate energy supply systems for agricultural consumers using local energy resources;



## Be competent in matters of:

- in the field of methodology of scientific research in the field of electric power engineering;
- in matters of innovative technical and technological productions in all industries, including agriculture;
- in the field of scientific and scientific-pedagogical activity in educational organizations;
- in the implementation of scientific projects and research in the professional field.