

### **09.06.01 Informatics and Computer Engineering**

“Elements and Devices of Computer Technology and Control Systems”

#### **Program objective:**

to train qualified researchers for the following tasks and challenges:

- research and design of new operation principles of microelectronic device;
- design of microelectronic devices and sensors;
- research of laser and electromagnetic radiation effects on electronic equipment;
- development of control systems, data processing based on up-to-date microprocessors, analog circuits, optoelectronic and nanoelectronic devices;
- design of new types of ICs, systems on chip, transducers