

## **Annotation**

### **PhD program "Computer systems, complexes and networks"**

**Objective of the program:** The PhD program "Computer Systems, Complexes and Networks" aims to prepare highly qualified specialists in the field of computer and communication systems and technologies who can apply their knowledge and skills in various scientific and applied fields. The program is designed to develop research skills, critical thinking, and the ability to solve complex problems through the analysis and development of algorithms, as well as the research of innovative communication protocols and systems, utilising engineering and mathematical methods and techniques.

**Main highlights:**

- Development and analysis of computer and communication systems, control algorithms and research methods, with application in information technology, communications, data processing and analysis, robotics, Internet of Things, artificial intelligence.
- Use of modern computers, communication tools, and software for analysis, simulation and data transmission.
- Application of computer systems and communication technologies in various scientific disciplines such as engineering, economics, transportation, field technologies, smart devices, etc.
- Development of interdisciplinary research skills and cooperation with other scientific fields.

**Forms of education:** Full-time (up to 3 years), part-time (up to 4 years), self-study (up to 5 years), PhD project (full-time, part-time or self-study).