Our specializations:

✓ “Design, creation and analysis computer systems”
The goal of education is to learn how to design and develop new software systems and explore the properties of complex software systems.

✓ Intellectual and robotic systems
The goal of education is to learn how to apply and develop and use computer systems that use artificial intelligence, and software and mathematical software for modern robots.

Degree:
- Bachelor of Computer Science
- Master of Computer Science
Areas of studying
“Intellectual and robotic systems”

- Development of robotic systems requires knowledge of control theory, theoretical and analytical mechanics. The area of studying is organic mix of fundamental base with a deep knowledge of computer science and engineering disciplines. All this enables the graduate to design and create complex intellectual systems, control systems for robots and unmanned aerial vehicles.
Areas of studying
“Design, creation and analysis computer systems”

- Designing software and complex computer systems used in business and technology is a complex creative process. Its methods, approaches and stages, along with the basic methodologies and technologies for creating software, form the basis of the educational process of specialization. The use of special mathematical disciplines makes it possible to obtain skills for a comprehensive analysis of software systems and products.
Employment perspectives

- **IT- companies** «INTETICS», «DATA ART», «NIX SOLUTIONS», «GLOBAL LOGIC», «MIRATECH» etc.
- Leading scientific, research and development centers of Ukraine and other countries
- Data processing centers
Disciplines of specialization

- artificial intelligence techniques
- machine learning
- optimization methods,
- operations research,
- programming languages C++, Java, Python, etc.
- algorithms and data structures;
- control theory, mechanics of robotic systems,
General academic disciplines specialty
“Design, creation and analysis computer systems”

Disciplines of specialization
- Programming
- Object-oriented programming
- Operating systems and system programming
- Image Processing and Multimedia
- Information Theory and Coding
- Data protection
- Programming 3-D graphics
- Programming Mobile Devices
- WEB-programming technology
Scientific work of the department

The basis of the scientific work of the department is the development of methods, algorithms and software for computer modeling of processes that occur in modern engineering, energy and aerospace structures and systems, primarily navigation and aircraft control systems.

The specialists of the department consider the full range of tasks that arise in this case - from the mathematical formulation of problems, the development of new methods, approaches, algorithms to the development of specialized software.
Department staff

Breslavsky D.
Head of Department
Doctor of Technical Science
Professor

Andrieiev I.
Doctor of Technical Science
Professor

Plaksiy Yu.
PhD
Professor

Uspenskyi V.
Doctor of Technical Science
Professor

Korytko Yu.
PhD
Dozent

Nekrasova M.
Dozent

Tatarinova O.
PhD
Dozent

Bagmut I.
PhD
Dozent

Mietielov V.
PhD
Lecturer
Practicing our students in computer companies
Our students can study and...
funny rest!