

14.03.02 Nuclear Physics and Technologies

Development of Cyber-physical Devices and Systems

Program objective

to train specialists for the development of cyber-physical devices and systems in high-tech industries.

Curriculum features

- engineering and natural sciences fundamentals: 60%
- advanced engineering subjects: 30%
- humanities and socioeconomics studies: 10%
- CDIO international standards and principles application (industrial partners – State Corporation ROSATOM companies)

Key research and professional area

R&D of intelligent physical and technical products, systems and processes with qualitatively new functions, properties and capabilities for use in various areas of high-tech industries.