

09.04.01 Informatics and Computer Engineering

Virtual and Augmented Reality for Technological Design

Program objective

Training of specialists for the field of software development for high-tech AR / VR systems for industrial use.

Prospective applications of virtual and augmented reality systems

- Production of sophisticated science-intensive equipment in conditions of high requirements for product quality and responsibility
- Service and repair of high technology equipment at a distance from the design and technological services
- Acceleration of training of specialists, provision of retraining and retraining for performing work with complex and digital equipment

Curriculum features

- more than 30 fundamental and specialized disciplines
- developing competencies in the development of virtual and augmented reality applications and software for the design and operation of technological systems
- two training tracks
 - creation and adaptation of device elements for coordinated work in virtual and augmented reality systems
 - software for continuous video recording and control of the production process, automatic object recognition