

## **09.04.02 Information Systems and Technologies**

### **Digital Engineering**

#### **Program objective**

to form a set of related competencies in engineering with the use of breakthrough digital technologies that are in demand in high-tech industries.

The relevance of the program is determined by the need for modern enterprises and companies in specialists who are keen on end-to-end technologies.

The training is focused on topical trends of digital transformation in economy, technology and industry.

#### **Curriculum features**

- Digital design and engineering
- Fundamentals of Smart Manufacture
- Additive technologies
- Technologies for building virtual and augmented reality
- Digital technologies of 3D modeling, visualization and animation
- Computer vision
- Architecture and technologies of the industrial internet of things
- Industrial Robotics Fundamentals
- Neural networks and artificial intelligence

The program has passed the National professional public accreditation (RossSNIO) and international accreditation in accordance with the requirements of the European Federation of National Engineering Associations (FEANI).