

09.04.02 Information Systems and Technologies

Data Engineering. Digital Technologies for Complex Engineering Objects

Program objective

Training of specialists with the skills of constructing information models architecture, describing the data structure of physical and complex engineering objects, knowing modern methods and standards of project management, able to develop and implement projects based on modern information technologies (BIM, PLM, big data technologies, machine and deep learning) , neural networks, cloud computing, industrial Internet of things technologies, virtual and augmented reality, etc.)

Curriculum features

- Programming languages
- Big Data Techniques
- Decision making methods and systems
- Project management for complex systems
- Data Mining
- Cognitive computing
- Artificial intelligence and neural networks
- Machine deep learning
- Industrial Internet of Things