

## **22.04.01 Materials Science and Engineering**

### **Materials Design for Innovative Technologies**

#### **Program objective**

To develop in-depth understanding of the interrelationship between physical and chemical properties, structures and processes for further invention of new materials using contemporary research methods and systems. The program represents a unique combination of disciplines in physics of materials and technological processes, programming languages, visualization methods and supercomputer technologies.

#### **What can you come away with?**

- Learn how to create of radiation-resistant materials used in nuclear power plants and thermonuclear reactors,
- Develop skills for work with modern equipment,
- Delve into computational methods of condensed matter physics and innovative technologies for obtaining and processing materials