

## **22.03.01 Materials Science and Engineering**

### **Materials, Process and Physics Engineering**

#### **Program objective**

To learn students 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.

#### **Curriculum units:**

- fundamental physics and mathematics
- study of experimental methods
- engineering sciences.

#### **Main professional disciplines:**

- physics of condensed state
- physical materials science
- computer modeling
- physical methods of materials investigation
- functional and structural materials
- physics of strength and mechanical properties.