

## **11.04.04 Electronics and nanoelectronics**

### **Electronics and Engineering**

**Partner university:** Tashkent State Technical University named after Islam Karimov (The Republic of Uzbekistan)

**Abstract:** The goal of the program is to train engineers able to work at the intersection of classical electronics and modern nanoelectronics in order to introduce new power products based on modern wide-gap semiconductors into traditional technologies of the electronics industry.

#### **Curriculum features:**

- Industrial electrical converting devices;
- Design of devices based on microcontrollers;
- Physical Principles of Nanoelectronics;
- Optoelectronics;

#### **Career opportunities:**

- design electronic devices;
- draw up device diagrams in accordance with the terms of reference;
- modernize production by introducing the latest developments in it;
- check the created projects for compliance with standards;

#### **Program Supervisors:**

Nikolai I.Kargin – Director of Institute for nanoengineering in electronics, spintronics and photonics, vice-rector, Doctor of Technical Sciences, Professor.

Tashmukhametova Dilnoza - Doctor of Physical and Mathematical Sciences, Professor