

11.04.04 Electronics and nanoelectronics

Electronic Equipment Production Technologies

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

Abstract: Graduates are proficient in the principles of operation of electronic devices and systems that are used everywhere. They also have deep knowledge in the field of data collection and processing systems, power electronics systems and control of various technological processes.

Curriculum features:

- Design and technology of electronic devices;
- Electron beam and ion-plasma technology;
- Digital Signal Processing;
- Elements of fault-tolerant systems;

Career opportunities:

Graduates develop technology for the production of various devices, including installations for vacuum, plasma, solid-state, microwave, optical, micro- and nanoelectronics. Employment is possible both in research centers and directly in production. For example, in factories producing electronic devices for various purposes;

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