

11.03.04 Electronics and nanoelectronics

Instrumentation and Nanoelectronics

Partner university: Daulet Serikbayev East Kazakhstan Technical University (The Republic of Kazakhstan)

Abstract: The program is aimed at training specialists capable of developing nanoelectronic devices and systems for various applications.

Curriculum features:

- Automatic control theory;
- CAD in microelectronics;
- Heterostructure and microwave electronics technology;
- Digital electronics and circuitry;

Career opportunities:

- Measuring Systems Engineer;
- Electronic engineer;
- Optoelectronic device engineer;
- Flight engineer;

Program Supervisors:

Alexander S.Bakerenkov – Head of the Department of Micro- and nanoelectronics, Candidate of Technical Sciences.

Tamara Segeda - Head of EKSTU Department “New Technologies and Materials in Nuclear Industry”, Director of Center for International and Educational Programs, Candidate of Physical and Mathematical Sciences