

11.04.04 Electronics and nanoelectronics

Nanotechnology in Electronics

Partner university: Gumilyov Eurasian National University (The Republic of Kazakhstan)

Abstract: The program is aimed at training specialists in electronics of a new generation using both wide-gap semiconductors and heterostructures to create an element base for nanoelectronics

Curriculum features:

The focus of this program is aimed at an in-depth study of the physics of micro- and nanostructures, the principle of developing electronic devices, as well as the technology of its production.

Career opportunities:

The graduate can conduct theoretical and experimental research in the fields of electronics and nanoelectronics. It is also possible to find employment in positions related to mathematical and computer modeling, design and construction of electronic devices and devices.

Program Supervisors:

Ivan S. Vasilievsky – Doctor of Physical and Mathematical Sciences, Professor of the Department of Condensed Matter Physics.

Sataeva Gulzipa Egemberdievna – Candidate of Chemical Sciences, Associate Professor of the Department of Nuclear Physics, New Materials and Technologies