Nanoelectronic Devices for Physical Facilities

National Research Nuclear University MEPhI (Moscow Engineering Physics Institute)

Degree or qualification is awarded: **Specialist diploma**

Language of study: **Russian**
Mode of study: **full-time**
Duration: **5 years**
Availability of free education: **no**
Price: **148 300**

Programme webpage at the university website:
https://eng.mephi.ru/content/public/uploads/files/Program/specialist/nespi/14.05.04_nanoel_dev_phys_fac.pdf

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14.05.04 Electronics and Automation of Physical Facilities
Nanoelectronic Devices for Physical Facilities

Program objective:
to train R&D specialists for micro- and nanoelectronic systems of physical experiment, development of computing systems and control systems based on modern microprocessors, analog-digital devices, optoelectronic and nanoelectronic devices; research of the physical characteristics of integrated circuits, microsystem technology in extreme conditions. During training, students study methods for computer-aided design of submicron and nanoscale integrated circuits and systems based on such circuits.

Curriculum features:
•Integrated microwave systems;
•High performance systems;
•Radiation research methods;
•Nuclear electronics;
•Fault-tolerant devices elements.

Specializations within this programme