

11.03.04 Electronics and nanoelectronics

Power Engineering and Nanoelectronics

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

Abstract: The program is aimed at training specialists capable of introducing modern nanoelectronic technologies into energy systems.

Curriculum features:

- Electronics (analog and digital);
- Materials Science in Micro- and Nanoelectronics;
- Measurements in micro and nanoelectronics;
- RF and microwave electronics;

Career opportunities:

- industrial enterprises;
- coal industry enterprises;
- research laboratories;
- hydro- and nuclear power plants;
- thermal power plants;

Program Supervisors:

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

Sarsenova Aizhan - senior teacher