

Division: *School of Electronic Engineering and Computer Science*

Academic programme: *11.03.03 Design and Technology of Electronic Equipment, Information Technology of Radioelectronic Equipment Design*

Mode of study: *full-time*

Programme length: *4 years*

Programme level: *Bachelor's degree*

Language of instruction: *Russian*

Programme description:

This academic programme aims at training developers for engineering and production of radioelectronic equipment of various designation. Besides training in design and technology of radioelectronic equipment, this programme offers in-depth study of modern information technologies (CAD-CAM-CAE) as applied to the process of electronic devices design. Therefore, the curriculum includes special engineering disciplines to help study: modern technologies of computer-aided design and preparation of production; software and hardware support of information technologies; network and communication technologies for design activities; systems of electronic document flow in design activities; mathematical and information support of design activities. The laboratories are fitted with the whole range of modern (licensed) software and equipment necessary for studying and obtaining practical skills of working in the field of modern techniques of computer-aided design.

Main programme-specific classes:

- *Fundamentals of Computer Modelling*
- *Materials for Electronic Equipment*
- *Radio Components*
- *Circuitry Engineering*
- *Electronics*
- *Physical Fundamentals of Electronics*
- *Metrology and Electroradio Measurements*
- *Fundamentals of Radioelectronic Equipment Design*
- *Radioelectronic Equipment Engineering*
- *Radioelectronic Equipment Technology*
- *Superhigh-frequency Devices and Antennae*
- *Engineering Electrodynamics*
- *Information Technology*
- *Systems of Computer-aided Design of Radioelectronic Equipment*
- *Information Systems of Design Enterprises*

- *Systems of Computer-aided Design of Pre-production Engineering*

Programme manager: *Leonid P. Kudrin, Candidate of Sciences (Engineering), Associate Professor*