Division: *School of Electronic Engineering and Computer Science*

Academic programme: *11.04.03 Design and Technology of Electronic Equipment, Design and Technology of Radioelectronic Equipment*

Mode of study: *full-time*

Programme length: *2 years*

Programme level: *Master's degree*

Language of instruction: *Russian*

Programme description: *The programme is focused on training highly-qualified, competitive developers in design and production technology of modern radio electronics who are capable of solving complex production and technological problems at a high professional level using modern automated design tools and who have mastered the skills of constantly looking for and studying new trends in this professional field. The programme aims to form general cultural and professional competencies in accordance with the standardized educational requirements while also remaining focused on the potential demands of future employers. The graduates of this Master's dgeree programme will become professionals working on the research, design, engineering, and technology of electronic devices to achieve the necessary function, reliability, design, and operating and marketing conditions.*

Main programme-specific classes:

- *Supercomputer Modelling of Technical Devices and Processes;*
- *Modelling and Optimization in Design of Radioelectronic Equipment;*
- *Designing Superhigh-frequency Devices in Radio-engineering Systems;*
- *Designing Antennae for Radio-engineering Systems;*
- *Designing Systems Based on Programmable Controllers;*
- *Practical Seminar on the Design and Technology of Radioelectronic Equipment;*
- *Designing Printed Circuit Boards for High-speed Devices;*
- *Theory and Practice of Protecting New Technical Solutions in Radioelectronic Equipment;*
- *Digital Twins in Design and Technology of Radioelectronic Equipment.*

Programme manager: *Amur B. Khashimov, Candidate of Sciences (Physics and Mathematics), Associate Professor*