

09.04.01 INFORMATICS AND COMPUTER ENGINEERING

Masters who have received diplomas in this field can:

- simulate the processes and products under study.
- create new ways and means of designing new devices and processes;
- think through the process of automating decisions;
- independently perform tests and tests, and thoroughly study their results.
- perform the work of an assistant in specialized departments of higher education institutions in the teaching field;
- develop and conduct training courses supervised by associate professors and professors.
- write methodological manuals used by students in the course of their studies;
- design automated systems, reasonably choose hardware and software tools for informatization and automation;
- design complex products, which also include software packages, using automation tools and best practices;
- implement projects aimed at creating programs, complexes and information bases;
- create projects for combining information systems based on methods and standard standards in the field of document management and logistics support;
- analyze the productivity of the designed systems by performing technical-economic and functional-cost analysis;
- create documents defining norms and technical standards for developed programs and projects.

Who to work with

Masters are mainly employed as programmers and technical analysts. Many people aspire to be IT engineers who support and maintain software, build and configure computer communications.

The acquired knowledge will be sufficient not only for solving current professional tasks, but also for organizing your own enterprise. A master's degree allows you to hold a high-level leadership position in large corporations involved in the maintenance of telecommunications and computer networks. Specialists also apply their knowledge in the scientific field and pedagogical activities.

The program 09.04.01 Informatics and Computer Engineering is implemented by the Master's program of the Faculty of Economics, Management and Information Technologies of USTU.

Duration of full – time education-2 years, full – time and part-time education-2 years and 5 months.

Number of seats:

10 places of full-time education, 10 places of full-time and part-time education under the agreement on the provision of paid educational services.