

# Computing Machines, Complexes and Computer Networks

Far Eastern Federal University

Degree or qualification is awarded: **Candidate of Sciences**

Language of study: **Russian**

Mode of study: **full-time, part-time**

Duration: **4 years**

Availability of free education: **yes**

Price: **320 000 rub per year (full-time) / 160 000 rub per year (part-time)**

Programme webpage at the university website:

<https://www.dvfu.ru/upload/medialibrary/a06/%D0%9F%D0%B5%D1%80%D0%B5%D1%87%D0%B5%D0%BD%D1%8C%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%20%D0%B0%D1%81%D0%BF%D0%B8%D1%80%D0%B0%D0%BD%D1%82%D1%83%D1%80%D1%8B,%20%D0%BE%D0%B1%D1%8A%D1%8F%D0%B2%D0%BB%D0%B5%D0%BD%D0%BD%D1%8B%D1%85%20%D0%B2%20%D0%BD%D0%B0%D0%B1%D0%BE%D1%80%202020%20%D0%B3%D0%BE%D0%B4%D0%B0.pdf>

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Graduates of this educational program (EP) have excellent opportunities both in research activities in computer science and computing, development of new methods of research, design, diagnosis and security of software and hardware systems and complexes, as well as in teaching programs of higher education in computer science and computer science. The educational program is focused on the development of new methods of management, information processing and search for new design solutions in the field of computer science and computing, conducting research in the field of security, artificial intelligence techniques, development of theoretical basics of computer science related to the construction and analysis of mathematical models, development of theory, creation, implementation, operation, diagnosis of promising computer systems, networks and complexes. Disciplines of the variative part of the EP include: "Organizational and management foundations of high school," "Modern educational technologies in high school," "Testing and diagnostics of computing systems," "Complex security of computing systems," "Modern computing machines and complexes." The first two disciplines provide a methodical basis for the graduate's readiness for teaching on the basis of subsequent special disciplines. The last three disciplines form the necessary professional and professional competences of the graduate in the field of technical object management, taking into account the current requirements for scientific qualification work and requests of employers. Significant features of the OP consist in targeting intelligent systems of design, testing, security software and hardware complexes. Specialists in these areas are extremely in demand in the labor market due to the increasing prevalence of enterprises in the region, in particular, in the DVFU (teaching and research activities), in the partner companies of the program - "Star", "Far Eastern Energy Management Company", "Askold" (scientific and production activities), IAPU DVO RAS (research). The main scientific leaders of the OP are well-known specialists, PhDs of technical sciences, docents Dobrzhinsky Yu.V., Vereshchagina E.A., Varlataya S.K., who have significant experience in control, diagnostics, modeling, security of computing complexes and systems.

## Specializations within this programme