

System Programming

Far Eastern Federal University

Degree or qualification is awarded: **Bachelor**

Language of study: **Russian**

Mode of study: **full-time**

Duration: **4 years**

Availability of free education: **yes**

Price: **190 000 rubles per year**

Programme webpage at the university website:

<https://www.dvfu.ru/upload/medialibrary/67e/7vkel5rsg44mef4g65o0p75el42adm3i/%D0%9F%D0%B0%D1%81%D0%BF%D0%BE%D1%80%D1%82%20%D0%9E%D0%9F%2001.03.02%20%20%D0%A1%D0%B8%D1%81%D1%82%D0%B5%D0%BC%D0%BD%D0%BE%D0%B5%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%B8%D1%80%D0%BE%D0%B2%D0%B0%D0%BD%D0%B8%D0%B5.pdf>

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Within the framework of the educational program, students work as part of research and production teams, develop and apply algorithmic and software solutions in the field of system and application software, as well as apply existing and develop new teaching methods and tools. They learn to collect, process and interpret the data of modern scientific research and apply modern mathematical apparatus to critically rethink the accumulated experience. The program will be interesting to those who are planning:

Engage in industrial programming: development of mobile and window applications, web design, 1C programming; Work with high-tech technologies: machine learning, big data, cloud computing, low-level programming, development of mathematical models and algorithms, including when creating computer games; Scientific career: mathematical modeling, numerical methods, probability theory.

Key disciplines of the program:

Programming languages and methods, Algorithms and data structures, Mobile Development, Web Design, Databases, Algorithmic Graph Theory, Network and server technologies, Machine learning, Numerical methods, Functional analysis, Mathematical physics Equations.

Partners involved in the implementation of the program:

Institute of Applied Mathematics FEB RAS, Institute of Automation and Control Processes FEB RAS, Pacific Oceanological Institute FEB RAS, LLC "DVIP" ("Far Eastern intellectual potential"), LLC "FarPost", LLC "Primnet", LLC "RMSOFT", KGUP "Primteploenergo".

Specializations within this programme