

Analytical, Social and Economic Networks

Far Eastern Federal University

Degree or qualification is awarded: **Master**

Language of study: **Russian**

Mode of study: **full-time**

Duration: **2 years**

Availability of free education: **yes**

Price: **265 000 rubles per year**

Programme webpage at the university website:

<https://www.dvfu.ru/upload/medialibrary/01b/00wqw6mext5bqs9jtl4wenw2ohy1knq0/%D0%9F%D0%B0%D1%81%D0%BF%D0%BE%D1%80%D1%82%20%D0%9E%D0%91%2001.04.04%20%D0%90%D0%BD%D0%B0%D0%BB%D0%B8%D1%82%D0%B8%D1%87%D0%B5%D1%81%D0%BA%D0%B8%D0%B5.%20%D1%81%D0%BE%D1%86%D0%B8%D0%B0%D0%BB%D1%8C%D0%BD%D1%8B%D0%B5%20%D0%B8%20%D1%8D%D0%BA%D0%BE%D0%BD%D0%BE%D0%BC%D0%B8%D1%87%D0%B5%D1%81%D0%BA%D0%B8%D0%B5%20%D1%81%D0%B5%D1%82%D0%B8.pdf>

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The term "Complex networks", which is how analytical, social and economic networks are generally called, originated at the beginning of the 21st century and refers to networks with a more complex architecture than classical networks with a given number of nodes and connections (transport, energy, utilities, communication networks, etc.). Complex networks are the subject of our daily life, reflected in the modern network economy and social networks, and, at the same time, the object of study in biology, economics, mathematics, psychology, sociology, engineering, computer science. Thus, complex networks are a rapidly developing phenomenon of the network economy and social networks, requiring a new interdisciplinary approach from science.

The program trains: System, business analysts and managers to conduct multivariate analytical calculations, and prepare solutions in all areas of economic, project and management activities; State and municipal employees-analysts who are able to support analytical activities in the field of forecasting, planning and programming of future socio-economic development at the level of federal, regional and municipal authorities; business and households.

Key disciplines/modules of the program:

Module "Analytical, social and economic networks"; Module "Models and methods of network analysis, extreme and equilibrium problems on graphs, their application in socio-economic development"; Module "Artificial intelligence methods in economics and analytics, programming and data processing"; Modules of additional professional knowledge in the field of: mathematical models and methods in logistics, transport, supply chains and software; service sectors, trade, marketing management.

Partners and experts involved in the implementation of the program:

Organizations and groups of companies: DNS; Dobroflot (Yuzhmorbybflot); Rostelecom; Mazda-Sollers; Megatex.

Ministry for the Development of the Russian Far East and Arctic, Government of Primorsky Krai, Administrations of regions and Cities of the Far Eastern Federal District - Vladivostok, Artem; Kwangwoon University (Republic of Korea); Association of Independent Centers of Economic Analysis (ANCEA), International Center for Socio-Economic Research "Leontief Center"; Interregional Association of Economic Cooperation of Subjects of the Russian Federation "Far East and Transbaikalia."

Specializations within this programme