Undergraduate program
Information Systems and Big Data

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Dean of the faculty of Economics,
Doctor of Economics, Professor

"Russian mathematical education is a global brand. Just like “Russian ballet” or “Russian hockey”. Hurry to become part of the brand!"

INFORMATION SYSTEMS AND BIG DATA

In the profile “Information Systems and Big Data” was created to support the state program “Digital Economy of the Russian Federation”. Students receive universal education in three groups of disciplines: fundamental mathematics, computer science and mathematical modeling of economic phenomena and processes.

Professional training for students is provided by professors of the Department of Information Systems and Mathematical Methods in Economics at the Perm State University.

According to the traditions of the educational process of the department, increased attention is paid to the problems of processing economic information, data analysis, mathematical modeling of economic processes and phenomena, economic interpretation of the results, management and decision making. This is the main difference between this program and other programs of this group, implemented in the Perm Territory.

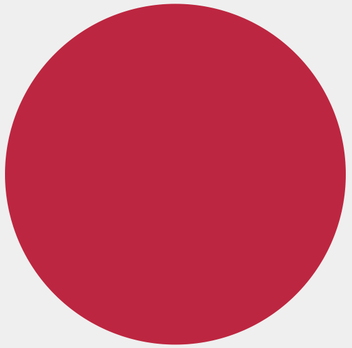
INFORMATION SYSTEMS AND BIG DATA

Much attention during the training is paid to scientific and research work. Students have the opportunity to complete coursework projects and final qualifying work in the International Laboratory of Constructive Methods for the Study of Dynamic Models, headed by Doctor of Physical and Mathematical Sciences, Professor V.P.Maximov. The research of the Cryptoeconomic laboratory and blockchain systems, which is headed by the candidate of economic sciences, associate professor S.V.Ivliev, is very popular.

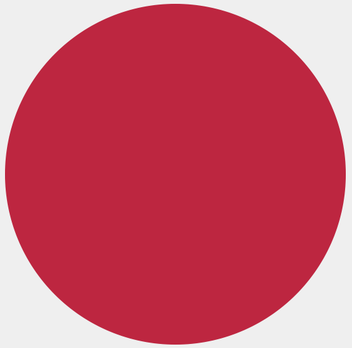
Graduates of the program are in demand in large business companies that are actively developing their analytical services, as well as in IT companies specializing in the creation and implementation of analytical systems in the field of economics.

ENTRANCE TESTS

INFORMATION SYSTEMS AND BIG DATA



Mathematics



English

TOP 5 MAIN DISCIPLINES

- Information systems development and big data analysis
- Mathematical modeling in Economics
- Econometrics
- Data analysis and machine learning
- Theory of optimal control

Uniqueness of the program

- cryptoeconomic and blockchain technologies;
- modeling of financial markets;
- computer business simulation;
- modeling of socio-economic processes;
- world-class education at the junction of three areas of knowledge: economics, mathematics and information technology;
- machine learning, neural network technology;

EMPLOYMENT OPPORTUNITY

100%

In the first year after
graduation from the specialty

EMPLOYERS

PARMA
Technologies Group

Lykke (Switzerland)

INLINE
Technologies Group

GRADUATES

Maxim Reshetnikov

Minister of Economic Development of the Russian Federation. A graduate of the specialty "Mathematical Methods in Economics", 2000. PhD in Economics.

Dmitry Andrianov

Full Member of the Russian Academy of Natural Sciences, Doctor of Physical and Mathematical Sciences, Founder and CEO of an international IT company

Sergey Ivliev

Head of the Laboratory of Cryptoeconomics and Blockchain Systems of PSU, Regional Director of Professional Risk Managers 'International Association, Co-Founder and Executive Director of Lykke International Fintech Company

Professors of the department of information systems and mathematical methods in economics

WE ARE ALWAYS WAITING FOR YOU!

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