

# Big Data Solutions

National Research Tomsk Polytechnic University

Degree or qualification is awarded: **Master degree**

Language of study: **English**

Mode of study: **full-time**

Duration: **2 years**

Availability of free education: **no**

Price: **227 490 RUB / year**

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This program provides in-depth coverage of topics in Big Data from data generation, storage, management, and transfer to analytics, with focus on the state-of-the-art technologies, tools, architectures, and systems that constitute big-data computing solutions in high-performance networks.

Real-life Big Data applications in various domains (particularly in science) are introduced as use cases to illustrate the development, deployment and testing of a wide spectrum of emerging Big Data solutions.

## Main Modules

1. Data Analysis Methods
2. Distributed Systems and Cloud Computing
3. Large Scale Data Bases
4. Big Data Programming Tools
5. Big Data Analytics
6. Web Data Mining

## Academic staff

Implementation of the basic educational program of Master studies is provided by qualified teachers. Scientists doctorate or PhD with 75% of the teachers providing the training process in the direction of the Magistracy.

The general management of the scientific content and the educational part of the master's program is carried out by Professor of Science. Direct supervision of master students performed scientific leaders who have a degree and (or) the academic status or leadership experience in the field.

## Specializations within this programme