## Program name
**Master’s degree program**
**Communication and infocommunication systems based on Huawei equipment**

## Key facts
The program prepares specialists for modern high-tech enterprises in the field of telecommunications and communications. The main additional advantage of the program is the opportunity to obtain certification directly from Huawei, which is one of the leaders in the global telecommunications equipment market, a vendor that develops technologies and manufactures equipment of the most modern standard for mobile communications IMT-2020 (5G). Graduates are invited to the positions of specialists of numerous telecom operators working in Krasnoyarsk Territory and the Russian Federation.

## Program length
2 years

## Starting date
September, 1st

## Language of instruction
Russian

## Prerequisites
- Higher professional education (bachelor’s, specialist’s or master’s degree)
- Entrance exam in General Physics
- Preference is given to students who have publications in this or related areas, as well as to students, previously participated in creative contests and (or) olympiads of the corresponding field of study

## Tuition fee per year
181 856 roubles (~ 2,448 USD)

## Program leader/team
**Head of Department**
**Head of Master’s degree program:**
Dmitriy Chernikov, Cand.Sc. (Engineering), assistant professor, head of the Specialized Department of Infocommunications, School of Engineering Physics and Radio Electronics, Siberian Federal University

## Qualification
Master of Science

## Skills/objectives
Undergraduates receive the professional skills necessary for the development, design, construction and maintenance of communication and infocommunication systems that can fully satisfy the growing demands of modern society in terms of processing, accumulating and storing information in all its forms and manifestations. The courses studied are directly related to the most advanced infocommunication technologies developed by the leading vendors of the global telecommunications and communication equipment market, and primarily by Huawei.

## Curriculum
- Huawei in the global telecommunications equipment market;
- Systems and devices for mobile radio communication of IMT-2020;
- Switching and Routing technologies;
- Fiber optic communication lines;
- Signal processing methods in telecommunication systems;
- Technique and technology WiFi 6 based on Huawei equipment;
- Introduction to Huawei Technologies;
- Storage technologies based on Huawei equipment;
- Quality of service in infocommunication networks;
- Transport networks based on Huawei equipment;
- Cloud technologies based on Huawei equipment