

Metal Forming

Siberian Federal University

Language of study: **English**

Mode of study:

Duration: **4 years**

Availability of free education: **no**

Price: **2 600 EUR per year**

Programme webpage at the university website: <http://www.sfu-kras.ru/en/PhD/metal-forming#tab1>

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The **purpose** of the degree program is to create conditions for graduate students to acquire the necessary level of knowledge, skills, experience in carrying out scientific and professional activities.

The **objects** of professional activity are:

- methods for designing promising materials using multiscale mathematical modelling and related software;
- methods and means of nano- and microstructural analysis using microscopes with different resolutions;
- equipment for product shaping, bulk and surface processing of materials; modes of material processing (regulations) that ensure the necessary quality of products;
- methods and means of quality control and technical diagnostics of production processes;
- methods and means of determining the complex of physical characteristics of materials (mechanical, thermophysical, optical, electrophysical and others) corresponding to the goals of their practical use.

Students' research focuses on the development of new technologies and equipment for the production, processing of non-ferrous metals and their alloys using combined methods.

Qualification: researcher; researcher lecturer.

Employment: graduates can occupy positions related to production, managerial and other functions in the field of metallurgical production at the enterprises of Krasnoyarsk Territory, Russia and abroad.

Specializations within this programme