

Computer-aided Design Systems in Mechanical Engineering

Siberian Federal University

Degree or qualification is awarded: **Bachelor**

Language of study: **Russian**

Mode of study:

Duration: **4 years**

Availability of free education: **no**

Price: **170 622 RUB per year**

Programme webpage at the university website:

http://edu.sfu-kras.ru/sites/edu.sfu-kras.ru/files/oop/annotations/09.03.01.31_annotaciya_1.pdf

Programme curator: **Mikhail P. Golovin**

Tel.:

E-mail: MGolovin@sfu-kras.ru

The **purpose** of this degree program is to create an educational environment which helps to form a set of knowledge, skills in the field of computer science and informatics in the students and fosters professionals capable of independent scientific, technical, production, managerial activities continuing their studies at the Master's level.

The program is **aimed** to train specialists in mechanical engineering able to use digital technologies at all stages of the life cycle starting from the product design, ensuring their reliability at the development stage, process design, manufacturing, operation and ending in the product disposal.

The program tasks:

- to form a theoretical knowledge base for mastering the professional competencies;
- to develop skills to apply the acquired knowledge to solve the corresponding class of tasks;
- to give practical skills in solving specific professional tasks;
- to introduce the processes of production, research and project activities.

Competitive advantages for a graduate:

- internship in advanced enterprises using digital technology in design and production starting from the 1st year and further;
- an opportunity to be transferred for employer-sponsored training, an opportunity to be employed for the defence industry companies.

Part of the training takes place at the Specialized Department of CAM Mechanical Engineering where students use the newest equipment and software of the company and involves the company's leading specialists.

Employment: students can choose to continue their education and apply for a master's degree course and further for a postgraduate one. After completing the master's degree program the possible jobs can be offered in Radiosvyaz Research and Production Company; Reshetnev Information Satellite Systems and small and medium-sized enterprises of the city and Krasnoyarsk Territory, as well as designer and process engineer positions in design studios and factory workshops.

Specializations within this programme