

**Postgraduate degree program: 23.06.01. Engineering and Technology of  
Surface Transportation**

**Focus of the postgraduate program: Operation of Automobile Transport  
(Diagnostics)**

**Institute of Aircraft Construction, Mechanical Engineering and Transport  
Department of Automobile Transport**

**Qualification: Researcher. Teacher-Researcher.**

**Duration: 4/5 years**

**Teaching form: on-campus/off-campus**

*The aim of the postgraduate program* is the preparation of Candidates of Sciences as well as researchers and teaching researchers in the field of road transport operation. In the process of mastering the program, as a student, you are trained to improve the skills of scientific research in the field of developing high-tech methods of diagnostics, maintenance and repair of wheeled (including unmanned) vehicle, and also the methodology of their application relating to the operation of automobile transport.

The training is conducted using up-to-date, unique laboratory research equipment and instruments. The training is carried out with the help of automobiles, electric vehicles and unmanned wheeled vehicles as well as unique stands, testers for diagnosing and monitoring the technical condition of both the wheeled vehicles themselves and their systems, mechanisms, tire assemblies, shock absorbers etc.

The research work is carried out on the basis of the research laboratory of Irkutsk National Research Technical University (INRTU), the enterprises engaged in the after-sales service, repair and operation of wheeled vehicles.

The practical training is held both in the research laboratories of INRTU and the enterprises engaged in the after-sales service, repair, and operation of wheeled vehicles.

As a graduate, you will acquire the qualification «Researcher. Teacher-Researcher».

As a postgraduate, you will be able to:

➤ carry out scientific research in the field of science and technology that study the relationships and patterns of the theory of motion, calculations, design, testing and operation of surface transport for construction, agricultural and special purposes in order to solve problems of creating and improving new and existing models of equipment;

➤ teach according to educational programs of higher education.

As a graduate in this area of the training, you can carry out professional activities at various organizations and institutions as follows:

- ✓ research organizations in the field of surface transport engineering and technologies, institutes of the Russian Academy of Sciences, research laboratories and auto test tracks, research institutions engaged in the development and testing of wheeled vehicles;

- ✓ automobile factories, car repair services, car assembly plants;

- ✓ service centers, service enterprises, automobile operating companies;

- ✓ educational institutions: higher educational establishments, vocational educational institutions, colleges;

- ✓ private enterprises engaged in the development, testing, service support, diagnostics, maintenance and repair of wheeled vehicles.