

Land management and cadastres

Peoples' Friendship University of Russia

Degree or qualification is awarded: **bachelor**

Language of study: **Russian**

Mode of study: **full-time**

Duration: **4 years**

Availability of free education: **yes**

Price: **306 600 RUB per year for CIS students; 5 000 US \$ for international students**

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Programme Focus

The programme is focused on the problems of rational land use, land monitoring, inventory and conservation, as well as on the students' acquisition of knowledge and practical skills of using modern technologies for creation of land information systems, land resource monitoring, geodetic support of land surveying and cadastral works with the use of ground and satellite geodetic methods, the results of aerial and space surveys, remotely piloted vehicles, laser scanning.

The students study a wide range of subjects, both general ones such as mathematics, chemistry, physics, the basic concepts of economics and management, ecology, and specialist field subjects such as geodetics, photogrammetry, the basic concepts of geoinformatics, GIS, land monitoring, cartography, real estate cadastre, the basic concepts of land management, etc. Much attention is paid to learning one or more foreign languages.

The specific nature of training involves a close connection of the educational process, science and real production: vocation-related subjects are taught by experienced professors, leading scientists and practitioners from relevant organizations, the practical training is undertaken at the premises of the most advanced land surveying, cadastre, geodetic and appraisal companies and research institutions.

Types of practical training

- Practical training in geodetics
- Practical training in soil science
- Practical training in photogrammetry and remote sensing
- Practical training in satellite technologies
- Practical training in the use of remotely piloted vehicles for land monitoring
- On-the-job training
- Pre-graduation practical training

Programme advantages:

- Acquisition of theoretical knowledge and practical skills in the field of rational land use planning
- Mastering of the basic concepts of automation of geodetic, cadastral and land surveying works including the acquisition of skills of working with GLONASS/GPS satellite systems, remotely piloted vehicles, total stations and dedicated software

- The ability to use modern high-technology methods to obtain information on the space position of items of immovable property, including the results of aerial and space surveying, aerial and ground laser scanning of surface, etc.
- The ability to make operational and strategic engineering decisions
- Acquisition of the skills of carrying on professional activities in foreign languages

Infrastructure:

- Modern university laboratories (the experimental technological laboratory for remote sensing and land resource monitoring, the laboratory for cadastral valuation of lands) equipped with GLONASS/GPS satellite systems, remotely piloted vehicles, total stations, digital geodetic levels, etc.
- Computer classrooms with dedicated software: AutoCAD Civil 3D, Trimble Business Center, Credo, Photomod, etc.
- Lecture rooms equipped with multimedia equipment, including for holding webinars and video conferences
- The industry section of the Scientific Library, access to numerous electronic information databases

Specializations within this programme