

# Physical Geography and Biogeography, Soil Geography and Landscape Geochemistry

Far Eastern Federal University

Degree or qualification is awarded: **Candidate of Sciences**

Language of study: **Russian**

Mode of study: **full-time, part-time**

Duration: **3 years**

Availability of free education: **yes**

Price: **320 000 rub per year (full-time) / 160 000 rub a year (part-time)**

Programme webpage at the university website:

<https://www.dvfu.ru/upload/medialibrary/a06/%D0%9F%D0%B5%D1%80%D0%B5%D1%87%D0%B5%D0%BD%D1%8C%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%20%D0%B0%D1%81%D0%BF%D0%B8%D1%80%D0%B0%D0%BD%D1%82%D1%83%D1%80%D1%8B,%20%D0%BE%D0%B1%D1%8A%D1%8F%D0%B2%D0%BB%D0%B5%D0%BD%D0%BD%D1%8B%D1%85%20%D0%B2%20%D0%BD%D0%B0%D0%B1%D0%BE%D1%80%202020%20%D0%B3%D0%BE%D0%B4%D0%B0.pdf>

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The purpose of the educational program is to acquire the level of competencies necessary for the implementation of professional activities and preparation for the defense of a scientific and qualifying work (dissertation) for the degree of candidate of sciences.

The geographer must be trained to meet the following challenges:

- ☐ Conducting comprehensive studies of regional, national and global geographical problems and developing recommendations for their solution;
- ☐ Study of patterns of formation of structures of nature;
- ☐ Identification of natural resource potential and opportunities for its economic development;
- ☐ In environmental management;
- ☐ Revealing and diagnostics of problems of nature protection and systems of interaction between society and nature;
- ☐ Conducting geographic assessments of regions, countries and the world as a whole.

The area of professional activity of graduates who have mastered the postgraduate program includes solving problems that require the application of fundamental and applied knowledge in the field of earth sciences.

The objects of professional activity of graduates who have mastered the postgraduate program are: Earth and its main geospheres: lithosphere, hydrosphere, atmosphere, biosphere, their composition, structure, evolution and properties; geophysical fields, deposits of solid and liquid minerals; natural, natural-economic, anthropogenic, industrial, recreational, social, territorial systems and structures at the global, national, regional, local levels, their study, monitoring of the state and development forecasts, prospecting, study and exploitation of mineral deposits; nature management; geographic information systems; territorial planning, design; ecological expertise of all forms of economic activity; education and enlightenment of the population.

The types of professional activities for which graduates who have mastered the postgraduate program are preparing:

- research activities in the field of earth sciences;

- teaching activity in educational programs of higher education.

The postgraduate program is aimed at mastering all types of professional activities for which the graduate is preparing. The Department of Geography and Sustainable Development of Geosystems is a subdivision in the Far East that trains highly qualified geographers in the direction of training 05.06.01. Geosciences, educational program physical geography and biogeography, soil geography and landscape geochemistry, who have knowledge and are able to conduct research in the field of nature, natural processes, resources of this vast region of our country.

Training of specialists is carried out, first of all, taking into account the uniqueness of the geographical position of the Far East, the emerging geopolitical situation in the countries of the Asia-Pacific Region (APR) and the resulting need for specialists.

The training of graduate students and the choice of disciplines of the variable part is due to the fact that the graduate has the necessary knowledge, can conduct scientific research, which makes it possible to identify the basic laws of the development of nature, resources and socio-economic objects, this is of great practical importance for the further economic development of the regions of the Far East and the country as a whole, including when addressing issues of nature management and environmental protection. The choice of disciplines of the variable part is sufficient for the formation of general professional and professional competencies of a graduate, taking into account modern requirements for scientific and qualification works and requests of employers.

The disciplines of the variable part include: "Organizational and managerial foundations of higher education", "Modern educational technologies in higher education", "Geography of the Far East", "Theoretical problems of physical geography", "Regional nature management", "Hazardous natural processes and phenomena in the Far East East of Russia".

Graduates of this direction are in demand and have employment opportunities in academic and industry research institutes, higher educational institutions, design and survey, geological, hydrometeorological, environmental, industrial and other organizations.

Period of study: full time – 3 years, part-time – 4 years

### **Specializations within this programme**