

1.6.15. Land management, cadastre and land monitoring



Уровень Training level:	aspirantura
Form of training:	aboutchnaya
Duration of training:	3 years old
Group of scientific specialties:	<i>Earth Sciences and the environment</i>
Number of seats:	1 (budget), 2 (contract)

Program Description

The purpose of mastering the postgraduate program is to write, design and submit for the defense of a dissertation for the degree of Candidate of Sciences, containing the solution of a scientific problem that is important for the development of the relevant branch of science.

Scientific specialty 1.6.15 Land management, cadastre and land monitoring – a field of science that deals with ensuring the rational use and protection of land, creating a favorable environment and improving landscapes, ensuring the entry of reliable information in the state register of real estate, performing cadastral works in relation to real estate, performing a complex of works to obtain information about the terrain and the situation of the area for the preparation of project documentation, creation and use of cartographic materials, geoinformation systems, spatial data bases, etc.

The program is aimed at comprehensive and high-quality training of scientific and scientific-pedagogical personnel in the following areas:

1. Information support for the assessment of real estate objects and territorial systems, including cadastral, individual, environmental, economic, and qualitative assessment.
2. Comprehensive diagnostics of the state of natural, natural-economic and socio-economic territorial systems.
3. Разработка Development of modern technological means of digitalization in land management, cadastres, and land monitoring.
4. Формирование Formation and use of a geospatial land data bank for the implementation of investment and land management projects.
5. Designing an organizational and legal mechanism for managing land resources and real estate objects through land management and cadastres.
6. Development of methods, technologies and techniques for performing survey works and engineering and geodetic surveys to develop technically sound standards for processing remote sensing data in land management, cadastre and land monitoring.
7. Development of methods and technologies for implementing the state's supervisory function over cadastral activities.
8. Zoning and zoning of territories of various origins and contents.