

Документ подписан простой электронной подписью
Информация о владельце:
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Должность: Ректор
Дата подписания: 20.06.2025 14:06:36
Уникальный программный ключ:
ca953a0120d891083f939673078ef1a989dae18a

**Federal State Autonomous Educational Institution of Higher Education
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA
NAMED AFTER PATRICE LUMUMBA
RUDN University**

Academy of Engineering

(educational division (faculty/institute/academy) as higher education programme developer)

Approved at the meeting of Academic
Council of RUDN University
Protocol № 2022-08/24-11/1
29.11.2024
(date, month, year)

PROFESSIONAL EDUCATION PROGRAMME OF HIGHER EDUCATION

Field of Studies / Specialty:

2.9.5. Operation of Vehicles

(scientific speciality code and title)

Profile / Specialisation

Operation of Vehicles

(PhD program title)

The Educational Programme is developed in compliance with:

Educational Standard of RUDN University, approved by order of the Rector of RUDN University No. 139 dated March 9, 2022.

Length of Educational PhD Programme:

4 years

(full-time education)

Educational PhD Programme Features: programme is implemented in English

AGREED by:

Head of Educational

Programme

Asoyan A.R.

(signature)

Head of Educational Policy

Department

Vorobyeva A. A.

(signature)

Head of Faculty

Razoumny Yu.N.

(signature)

Head of PhD Study

Department

Borisova A. S.

(signature)

1. EDUCATIONAL PROGRAMME GOAL

The program is focused on the training of highly qualified specialists in areas related to land transport equipment and technologies. In the process of education, graduate students undergo theoretical and practical training in order to form universal, general professional and professional competencies.

Postgraduate students gain skills in:

- research activities in universities, in industry enterprises, in institutes of the Russian Academy of Sciences, in the field of engineering and technology of land transport;
- teaching activities in educational programs of higher education

The purpose of postgraduate studies is to guide the postgraduate student to the development of an academic career, maximum adaptation in the scientific environment.

The goal is to prepare and defend a dissertation for the degree of candidate of sciences.

2. BRIEF SUMMARY OF THE PROGRAM

The main professional educational program is implemented in full-time education in accordance with a license for the right to carry out educational activities. The term of education under the program is 4 years.

The volume of the program is 240 credit units (hereinafter referred to as credits). The volume of the postgraduate program implemented in one academic year is 60 CU.

3. LABOUR MARKET NEEDS FOR PERSONNEL TRAINING IN EDUCATIONAL PROGRAMME PROFILE

An analysis of the state and trends in the development of research and educational activities in the field of road transport operation shows that the training of researchers and research teachers in this industry is one of the necessary conditions for increasing the potential and competitiveness of domestic educational institutions of higher education, research organizations engaged in scientific and educational activities within the scope of its activities.

Graduates who have mastered this program are oriented to work in Russian and international educational institutions, research institutes, companies specializing in the operation of equipment and technologies for land transport.

4. REQUIREMENTS FOR APPLICANTS APPLYING TO THE PHD PROGRAMME

For admission to the program, the Admission Rules are valid, approved by the relevant local regulatory act and posted in the public domain on the official website of RUDN University.

A potential applicant must be prepared for activities that require technical, research and pedagogical training.

A candidate for admission to graduate school must have a diploma of higher education (specialist, master's degree) in a chosen or related specialty, and also have training in organizing research work, methods of conducting and processing experimental results, know the physical and mathematical foundations of the specialty; take a systematic

approach to processes and phenomena. It is also desirable to have published works in the chosen specialty.

Entrance examinations are held in the form of an exam, upon satisfactory passing of which the applicant is enrolled in graduate school on a paid or budgetary basis.

5. STRUCTURE AND WORKLOAD OF THE EDUCATIONAL PROGRAMME FOR PhD STUDIES

The structure and volume of the postgraduate program - the period of development is 4 years in full-time.

№	Structure of the Postgraduate Program	The scope of the PhD program in z.e.
1. Scientific component		210
1.1.	Scientific activity aimed at preparing a dissertation for defense	178
1.2.	Preparation of publications and (or) applications for patents for inventions, utility models, industrial designs, selection achievements, certificates of state registration of programs for electronic computers, databases, topologies of integrated circuits, provided for in paragraph four of clause 5 of federal state requirements	24
1.3.	Intermediate certification by stages of scientific research	8
2. Educational component		24
2.1.	Disciplines (modules)	13
2.2.	Practices, including teaching practice	5
2.3.	Intermediate certification in disciplines (modules) and practice, including pedagogical	6
3. Final certification		6
Scope of the Postgraduate Program		240

6. CHARACTERISTICS OF EDUCATIONAL PROGRAMME GRADUATE'S PROFESSIONAL ACTIVITIES

6.1 Area of professional activity.

- sections of science and technology that study connections and patterns in the theory of motion,

calculations, design, testing and operation of land transport for construction, agricultural and special purposes in order to solve the problems of creating new and improving existing models of equipment;

- higher and secondary vocational education.

6.2 Object of professional activity.

The objects of professional activity of graduates who have mastered the program graduate schools are:

- samples of land transport equipment for various purposes;
- regulatory and technical documentation on the technique and technology of ground transport;
- methods and means of testing, quality control of ground transport facilities as a whole, as well as individual units, subsystems and parts.

6.3 Types of professional activity.

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

- research activities in universities, industry enterprises, institutes of the Russian Academy of Sciences, in the field of engineering and technology of land transport;
- teaching activity on educational programs of higher education.

6.4. Tasks of professional activity.

As a result of mastering postgraduate programs, the student should be formed:

- universal competencies that do not depend on a specific area of training;
- general professional competencies determined by the direction of training or the direction of training and the focus of the postgraduate program within the framework of areas of training (hereinafter - the focus of the program);
- professional competencies determined by the direction of the program.

7. LOCATION OF IMPLEMENTATION OF THE PHD PROGRAMME

7.1. The postgraduate program is implemented by the Russian University of Peoples' Friendship.

7.2. Information about the planned bases for conducting practices and (or) performing scientific research

Practice and research*	Practice base (name of organization, location)
Pedagogical practice (stationary)	RUDN University, Moscow
Scientific research (stationary)	RUDN University, Moscow

* - the type of practice is indicated - its name (pedagogical, technological, etc.), method of conducting (stationary / visiting), or scientific research.

8. FEATURES OF EDUCATIONAL PROGRAMME IMPLEMENTATION

8.1. The postgraduate program is implemented with elements of e-learning / digital / distance learning technologies

8.2. The language of the PhD program is Russian.

8.3. The program does not provide for the training of people with disabilities and people with disabilities.