

Chemistry of Organoelement Compounds

Far Eastern Federal University

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

Language of study: **Russian**

Mode of study: **full-time**

Duration: **4 years**

Availability of free education: **yes**

Price: **320 000 rub per year**

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%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.

Objectives of the educational program:

1. To implement a competency-based approach in the formation of the curriculum through the subject content of its basic and variable parts in accordance with the requirements of the Federal State Educational Standard and the requests of employers.
2. To provide teaching of disciplines in the form of author's courses according to programs compiled on the basis of research of scientific schools of FEFU, taking into account regional and professional specifics.
3. To carry out personnel, information and material support of the educational program in accordance with the requirements of the Federal State Educational Standard.
4. Provide for the widespread use of active and interactive forms of education aimed at the formation of a creative personality with the necessary competencies and ready for independent professional activity.
5. To provide an assessment of the quality of postgraduate students' training, including the current, intermediate control of students and the final state certification of graduates, including with the involvement of employers.

The area of professional activity of graduates who have mastered the postgraduate program includes the spheres of science, science-intensive technologies and chemical education, covering a set of tasks in theoretical and applied chemistry (in accordance with the focus of training), as well as related natural sciences.

Areas of science, science-intensive technologies and chemical education, covering a set of tasks in theoretical and applied chemistry of organoelement compounds, as well as related natural science disciplines.

The objects of professional activity of graduates who have mastered the postgraduate program are new substances, chemical processes and general patterns of their course, scientific tasks of an interdisciplinary nature. New organoelement substances, chemical processes and general patterns of their course, scientific problems of an interdisciplinary nature.

The types of professional activities for which the graduates who have mastered the postgraduate program are preparing: research activities in the field of chemistry and related sciences; teaching activities in the field of chemistry

and related sciences.

The postgraduate program is aimed at mastering all types of professional activities for which the graduate is preparing

Research activities in the field of chemistry of organoelement compounds and related sciences. Teaching activity in the field of chemistry of organoelement compounds and related sciences.

The choice of the postgraduate program was determined in accordance with the characteristics of the Far East region, the presence of two academic institutes of the chemical direction (TIBOCH FEB RAS and IH FEB RAS), existing scientific schools in the field of chemistry. And also a high demand for graduates of the highest qualifications in the field of synthesis of organoelement compounds, research of their composition and structure and properties on modern equipment.

The prospects for employment of graduates are high, they are in demand in academic institutions, in the departments of chemistry of universities, in departmental and factory laboratories. Such as TIBOCH FEB RAS, IH FEB RAS, POI FEB RAS, FEGI FEB RAS, Dalrybvtuz, Expert Forensic Service - regional branch of the Central Forensic Customs Directorate, Office of the Federal Drug Control Service of Russia for PC, LLC "Innovative laboratory and analytical center" and others.

Specializations within this programme