

Technology and Commodity Science of Food Products for Functional and Specialized Purposes and Public Catering

Far Eastern Federal University

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

Language of study: **Russian**

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

Duration: **4 years**

Availability of free education: **yes**

Price: **320 000 rub per year (full-time) / 160 000 rub per 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%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%B0%D1%81%D0%BF%D0%B8%D1%80%D0%B0%D0%BD%D1%82%D1%83%D1%80%D1%8B,%D0%BE%D0%B1%D1%8A%D1%8F%D0%B2%D0%BB%D0%B5%D0%BD%D0%BD%D1%8B%D1%85%D0%B2%D0%BD%D0%B0%D0%B1%D0%BE%D1%80%202020%D0%B3%D0%BE%D0%B4%D0%B0.pdf>

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The Department of Food Science and Technology is a subdivision in the Far East that trains highly qualified researchers, research teachers who have knowledge and are able to conduct research in the field of technological processes of food quality and rational nutrition.

The training of graduate students is carried out, first of all, taking into account the food biological resources of the Russian Far East, new areas of food technology, the geopolitical location of the Pacific region 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 patterns of technological processes and develop a matrix for the rational use of food biological resources. 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.

Graduates of this direction are in demand and have employment opportunities in academic and industrial research institutes, higher educational institutions, design and survey organizations, food industry enterprises, public catering, and health care institutions.

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

Researcher, teacher-researcher should be prepared to solve the following tasks:

1. Development of a holistic view of technology and research methods in the design and production of food for various purposes;
2. Mastering the methodology of scientific research, allowing to control the technological process, determine the quality and safety of raw materials and finished products;
3. Teaching the skills of obtaining new knowledge.

Qualification - Researcher. Research instructor.

The normative term of development is 4 years (full-time), 5 years (correspondence).

The complexity of the educational program is 240 credit units.

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

- microorganisms, cell cultures of animals and plants, viruses, enzymes, biologically active chemicals;
- devices and equipment for studying the properties of microorganisms used, cell cultures obtained by biosynthesis of substances obtained in laboratory and industrial conditions;
- biomass, installations and equipment for biotechnological processes;
- means of quality control of raw materials, semi-finished products and finished products;
- regulations for the production of biotechnology products, international standards;
- natural, anthropogenic, natural-economic, ecological-economic, production, social, public territorial systems and structures at the global, national, regional and local levels;
- state planning, control, monitoring, expertise of environmental components of all forms of economic activity;
- programs for sustainable development at all levels, as well as education, enlightenment and public health;
- basic chemical, petrochemical and biotechnological production and processes and devices in chemical technology, petrochemistry and biotechnology;
- industrial installations and technological schemes, including automated control systems; - methods and means of assessing the state of the environment and protecting it from anthropogenic impact;
- artificial intelligence systems in chemical technology, petrochemistry and biotechnology.

Specializations within this programme