



Oles Honchar Dnipro National University
Faculty of Biology and Ecology
Master's Program
for BIOCHEMISTRY
DEPARTMENT OF BIOPHYSICS AND BIOCHEMISTRY

XXI Century is the rapid development of biotechnology and nanotechnology, which is based on research on the structure and function of biomolecules. The modern biochemical trend combines biochemistry, biophysics, molecular biology, molecular genetics, biotechnology, bioinformatics, cellular and genetic engineering.

The Department of Biophysics and Biochemistry of DNU invites for Master's program in the specialty 091 Biology. Biochemistry, the term of study - 1,5 years

The rapid development and implementation of new biomedical technologies requires trained masters with the qualification Biochemist, which offers many opportunities for employment.



Graduates of the masters in this specialty are in demand in biochemical and analytical laboratories of the industrial direction (food, pharmaceutical, biotechnological, agricultural); medical diagnostic centers; scientific research institutions of biology and medical direction; laboratories for product quality control, forensic laboratories; teachers in the field of education of different levels of accreditation. Graduates-masters have recommendations for entering the postgraduate course of DNU and other educational, scientific institutions of Ukraine

and Europe. Masters of biochemistry who defended master's degree in DNU work in their specialty in other countries without additional diploma confirmation (Denmark, Germany, Canada, USA, France, Spain, Israel, Poland, Mozambique, Mongolia, Russia, etc.).

According to the program of training in specialty 091 Biology. Biochemistry masters will have modern theoretical basis and practical skills of using spectrophotometric, immunological, immunochromatographic, electrophoretic and physico-chemical methods. The experimental part of master's degree training is held within the framework of state-funded projects for the study of molecular-biochemical mechanisms of pathogenesis of metabolic syndrome and various types of neurodegeneration, testing of natural neuro- and cardioprotectors. Masters can take part in international scientific projects that are carried out at the Department of Biophysics and Biochemistry (Poland, Sweden).

Choose a specialty 091 Biology. Biochemistry - and you will receive a diploma of a qualified masters, in demand in many industries, medicine and education in Ukraine and abroad!

For admission to study at Master Program for Biochemistry the following exams must be taken:

- (1) Biology. Biochemistry (Bioorganic chemistry, Biochemistry Molecular biology, Radiobiology, Human Physiology) and (2) Foreign language (**a person who have the bachelor's degree in biology**);
- (1) Biology. Biochemistry (Bioorganic chemistry, Biochemistry Molecular biology, Radiobiology, Human Physiology) (2) Advanced Biology. Biochemistry (Cytology and Immunology) and (3) Foreign language (**a person who have the bachelor's degree in any other specialty**).

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**Websites: <http://www.biochemistry-dnu.dp.ua>;
http://www.dnu.dp.ua/en/education_in_ukraine**