

Code and title of speciality (programme subject area): 051 “Economics”

Title of specialization: “Applied Statistics”

Code and title of the field of study: 05 Social and Behavioural Sciences

Qualification: Bachelor of Economics

Number of credits: 240 ECTS credits

Level of higher education: the first (bachelor) level corresponds to the sixth qualification level of the National Qualifications Framework in Ukraine

Requirements to the previous education level: a person has the right to acquire the bachelor level in case he/she has obtained general secondary education or education according to the educational program of junior bachelor in relevant speciality. Given that the previous level has been obtained in the other country, nostrification is required.

Qualification requirements: higher education document is issued to a person who has successfully completed the educational programme and has been attested. Final attestation is carried out by evaluating the degree of maturity of competences. The form of attestation is state examination and graduation work.

Programme learning outcomes:

Knowledge and understanding:

- basic knowledge about development of forecasts of supply and offer ration in the market of goods and services;
- basic knowledge about forecasts of statistical evaluation of natural population movement;
- basic knowledge about use of simulation modelling of population size and composition for advanced calculations;
- idea about design of information technology in statistics;
- basic knowledge about development of forecasts of social development of society;
- basic knowledge about analysis of state and trends of economic development of a company, region, state using information and statistic technologies;
- basic knowledge about providing the process of management solution development.

Applying knowledge and understanding, and forming judgments:

- the ability to make statistic reports on the enterprise activities;
- the ability to perform input and processing of data concerning the enterprise activities for fulfilling management purposes;
- the ability to prepare analytical reports on the results of the conducted analysis of the situation in commodity markets;
- the ability to draw up tables of survival and average life expectancy;
- the ability to use modern computer technology to process statistical information;
- the ability to create text and drawn visual objects to present statistical information.
- the ability to organize collection, processing and analysis of statistic data about the company for management purposes;
- the ability to carry out assessment of the situation in commodity markets;
- the ability to conduct statistic study of the structure and behaviour of consumers;
- the ability to analyse and predict the level of living standards and social development;
- the ability to conduct comprehensive statistic analysis of social and economic phenomena and processes;
- the ability to evaluate effectiveness of management decisions;
- the ability to analyse and synthesize on the basis of logical arguments and proven facts;
- learning ability and willingness to raise the level of knowledge;
- the ability to work and make decisions independently;
- the ability to work with information, including global computer networks;
- the ability to find and analyse information from different sources;
- the ability to work in team;
- the ability to take an active stand in life and develop leadership skills;

- the ability to create new ideas (creativity).

Competencies and learning outcomes:

To implement statistical methodology based on the results of scientific research, international and national standards and guidelines. To master the technique of modelling and forecasting analysis of social and economic phenomena and processes at different management levels. To master the technique of international statistical comparisons. To elaborate programme and methodological and organizational issues of statistical observation. To carry out statistical observation of social and economic phenomena and processes. To monitor social and economic phenomena and processes in accordance with the needs of the government office and members of social reproduction. To possess modern information technologies for collecting, processing, analysing and disseminating data. To use economic and statistic models to analyse social and economic phenomena and processes. To develop layouts of tables, flowcharts and algorithms for consolidation and computer processing of information. To make algorithms of solving economic and statistic problems. To process and disseminate consolidated statistical information in accordance with management needs. To provide organizational and practical statistic support for management decisions. To ensure preparation, support and flow of documents on accounting, financial, industrial, economic and public activities. To carry out system analysis of internal and external environment of activities of economic entities. To organize and monitor production quality. To perform statistical monitoring of research and development activities. To control correspondence of statistic reporting to requirements of applicable regulations and standards. To control reliability of statistic reporting. To ensure reliability, relevance, timeliness of statistic information.

Further study prospects: Bachelor of specialty 051 “Economy” may continue study for obtaining the educational qualification level of master in “Economy” and other specialities.

Department graduating a student with degree: Department of Economics and Entrepreneurship

Institute / Faculty: Institute of Economics and Management of V. Dahl EUNU.

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