

Ministry Of Education And Science Of Ukraine  
Higher Educational Establishment Of Ukroospilka  
«Poltava University Of Economics And Trade»



**POLTAVA UNIVERSITY OF  
ECONOMICS AND TRADE**

## **EDUCATIONAL - PROFESSIONAL PROGRAM**

The first (Bachelor) level of higher education

Field of knowledge:  
**05 Social and behavioral sciences**

Specialty  
**051 Economics**

## **Educational program «Information Systems in Economics and Business Analytics »**

Qualification:  
**Bachelor in Information Systems in Economics and Business**

**Poltava 2018**

## General characteristics

<b>Level of higher education</b>	First (Bachelor) level
<b>Degree in Higher Education</b>	Bachelor's Degree
<b>Field of Knowledge</b>	05 Social and behavioral sciences
<b>Specialty</b>	051 Economics
<b>Educational program</b>	Information Systems in Economics and Business Analytics
<b>Restrictions on Learning</b>	No restriction
<b>Educational qualification</b>	Bachelor in Information Systems in Economics and Business
<b>Description of the subject area</b>	<p><b>Object of study:</b> general laws and trends of economic systems development, motivation and behavior of market actors, socio-economic processes, their modeling and regulation.</p> <p><b>Learning objectives:</b> development of modern economic thinking, theoretical knowledge and practical skills necessary for solving tasks in the field of activity.</p> <p><b>Theoretical content of the subject area:</b> concepts, categories, principles of social-behavioral and economic sciences.</p> <p><b>Methods, techniques and technologies:</b> general scientific methods of cognition, mathematical, statistical and qualitative methods of economic analysis, economic and mathematical modeling, information and communication technologies, research methods and presentation of results.</p> <p><b>Tools and equipment:</b> modern information and communication equipment, information systems and software products used in economic activity.</p>
<b>Academic rights of the graduates</b>	Possibility of continuing education at the second (master's) educational level, receiving postgraduate education in related and other specialties, advanced training, academic mobility

## Employment of graduates

Graduate is able to perform the following kind of professional work according to International Standard Classification of Occupations 2008 (ISCO-08):

- 12 Administrative and Commercial Managers
- 133 Information and Communications Technology Services Managers
- 212 Mathematicians, Actuaries and Statisticians
- 251 Software and Applications Developers and Analysts
- 2511 Systems Analysts
- 2513 Web and Multimedia Developers
- 252 Database and Network Professionals
- 2413 Financial Analysts
- 2421 Management and Organization Analysts
- 2434 Information and Communications Technology Sales Professionals
- 3314 Statistical, Mathematical and Related Associate Professionals
- 3339 Business Services Agents Not Elsewhere Classified
- 3511 Information and Communications Technology Operations Technicians
- 3514 Web Technicians
- 2631 Economists
- 41 General and Keyboard Clerks
- 4312 Statistical, Finance and Insurance Clerks

## ECTS credits needed to obtain a corresponding degree of higher education

The volume of the bachelor's educational program on the basis of complete general education:

- on the basis of complete secondary education with a 4 year study term is 240 ECTS credits;

- on the basis of the educational qualification level of the junior specialist with a term of training of 2 years is 120 ECTS credits;

A minimum of 50% of the volume of the educational program should be directed towards the provision of general and special (professional) competencies in the specialty defined by the standards of higher education.

Requirements for the minimum amount of practice is not less than 10% of the total volume of the educational program.

**List of educational disciplines of the professional-educational program by the training cycles**

<b>Nº</b>	<b>Name of the discipline</b>	<b>Hours/Credits</b>
1	History and Culture of Ukraine	90/3
2	Practical psychology	90/3
3	Philosophy	90/3
4	Ukrainian Language (for Professional Purposes)	90/3
5	Foreign Language	150/5
6	Physical Education	120/4
7	Modern information and communication technologies	120/4
8	Mathematics for Economists	240/8
9	Statistics	150/5
10	Economic theory, micro- and macroeconomics	150/5
11	Business analysis of enterprise activity	270/9
12	Economics of Enterprise	270/9
13	Information Systems in Economics	150/5

<b>Nº</b>	<b>Name of the discipline</b>	<b>Hours/Credits</b>
14	Logistics	180/6
15	Fundamentals of Economic Modeling	180/6
16	Business Strategy	180/6
17	Theory of system management	300/10
18	Management	150/5
19	Marketing with the basics of Internet Marketing	150/5
20	Finance Companies	150/5
21	Foreign Language (for Professional Purposes)	240/5
22	Business Analytics: Databases and Data Warehouses	300/10
23	Business analytics: processing and analysis of large data	240/8
24	Introduction to programming: Algorithmization	150/5
25	Econometrics	180/6

<b>Nº</b>	<b>Name of the discipline</b>	<b>Hours/Credits</b>
26	Modeling business processes	120/4
27	Optimization methods and models	150/5
28	Fundamentals of Web-programming and Web-design	150/5
29	Basics of business analytics and data visualization	150/5
30	Fundamentals of Economics and Economics Diagnostics	300/10
31	Predicting Social and Economic Processes	120/4
32	Risks Studies	120/4
33	Processing Systems of Economic Information	180/6
34	Decision-Making Systems	150/5
35	Information Project Management	150/5
36	Fundamentals of Leadership	90/3
37	Specialized Practical Training	1050/35
38	University Education	30/1
39	Final certification	60/2
<b>The total number of training hours</b>		<b>7200/240</b>



## CONTACTS

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