**MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE**

**NATIONAL TECHNICAL UNIVERSITY OF UKRAINE**

**“IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE”**

APPROVED

Academic Council of NTUU “Igor Sikorsky Kyiv Polytechnic Institute”

(meeting protocol № 3 from 15/03/2021

Chairman of the Academic Council

\_\_\_\_\_\_\_\_\_ Mykhaylo ILCHENKO

**INTERNATIONAL ECONOMICS**

**EDUCATIONAL PROFESSIONAL PROGRAM**

**First (bachelor's) level of higher education**

|  |  |
| --- | --- |
| **in specialty** | **051 Economics** |
| **Areas of knowledge** | **05 Social and behavioral sciences** |
| **Qualification** | **Bachelor** |

Entered into force by Order of the Rector

of NTUU “Igor Sikorsky Kyiv Polytechnic Institute”

from 19/04/2021 2021 № 404/89/2021

Kyiv – 2021**DEVELOPED by the project team:**

***Project team leader:***

Kukharuk Anna, Ph.D., associate professor, Department of International Economics

***Project team members:***

Gaidutskiy Ivan, Doctor of Economic Sciences, associate professor, Department of International Economics

HlushchenkoYaroslava, Ph.D., associate professor, Department of International Economics

Skorobogatova Natalia, Ph.D., associate professor, Department of International Economics

The Department of International Economics is responsible for the training of higher education students in the educational program

***Head of the International Economics Department***

Voitko Serhii, Doctor of Economic Sciences, professor

**AGREED:**

Scientific and Methodical Council of Speciality 051 "Economics" Igor Sikorsky Kyiv Polytechnic Institute

Head of the Scientific and Methodical Council of 051 Speciality \_\_\_\_\_\_\_\_\_\_\_\_ Serhii Voitko

(meeting protocol № 2 from «22» 12/ 2021 р.)

Methodical Council Igor Sikorsky Kyiv Polytechnic Institute

Head of Methodical Council \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Yuri Yakimenko

(meeting protocol № 6 from «25»/02/ 2021 р.)

**INCLUDED:**

The following were involved in the work on the Educational Program:

|  |
| --- |
| Eugene, NOVAKIVSKY, Technical DirectorLLC "Center for Resource Efficient Production" |
| Khmilevska Anastasia Alexandrovna, applicant for higher education,the first (bachelor's) level of higher education  |
| Zrobok Oleksiy Olehovych, a graduate of higher education,the first (bachelor's) level of higher education |

Relevant feedback is attached.

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**1. Educational program profile, specialty Economics 051**

|  |  |
| --- | --- |
|  |  |
| **1 – General information** |
| Full name of the Higher Education Institution and the institute / faculty  | National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Department of International Economics |
| Higher education degree and title of qualification in the original language | Educational degree – BachelorEducational qualification – Bachelor of Economics in OPP "International Economics"  |
| EP official name  | International Economics |
| Diploma type and EP scope | Bachelor's degree, unitary, 240 ECTS credits, study period 3 years 10 months |
| Accreditation availability  | Certificate of accreditation of the specialtyND 1192537, valid til 01.07.2025 |
| Program cycle / level | НРК of Ukraine – 6 level QF-EHEA – first cycleЕQF-LLL – 6 level |
| Prerequisites | Completed general secondary education |
| Teaching language  | Ukrainian, English |
| EP validity  | Until 01.07.2025 |
| Permanent placement of the educational program Internet address  |  [http://ied.kpi.ua/uk/archives /Навчання](http://keip.kpi.ua/%D0%9D%D0%B0%D0%B2%D1%87%D0%B0%D0%BD%D0%BD%D1%8F) /Освітні програми та навчальні планиhttps://osvita.kpi.ua/Освітні програми |
| **2 – Educational program purpose** |
| Training of specialists in the economics who have modern thinking, theoretical knowledge and practical skills needed to solve the problems of the subject area; able to identify problems in the international economic system functioning as a whole and make informed management decisions regarding specific subjects of international economic relations; as well as able to comprehensively and systematically analyze, provide and conduct intercultural communication, aware of the nature of environmental processes and phenomena, to form a high adaptability in the labor market transformation through interaction with employers and other stakeholders. |
| **3 – Characteristics of the educational program** |
| Subject area  | *Object of study and / or activity:* patterns of functioning and development of the socio-economic systems and processes, their modeling, forecasting and regulation, motivation and behavior of economic entities.*Educational objectives:* to train specialists who have modern economic thinking, theoretical knowledge and practical skills needed to solve the problems in this subject area*Theoretical content of the subject area:* definition, categories, concepts, principles of economic sciences.*Methods, techniques and technologies:* general scientific methods of cognition and research, mathematical and statistical methods of economic analysis, economic and mathematical modeling, information and communication technologies of research, dissemination and presentation of research results.*Tools and equipment:* modern information and communication equipment, information systems and software products used in professional activities. |
| EP Orientation | Educational and professional |
| EP main focus | Special education in the "Social and Behavioral Sciences" in the specialty 051 "Economics". Key words: world market, international economy, international economic system, international economic relations, subjects of international business, management decision-making, management efficiency, international economic activity, world economy, transnational corporations, international organizations. |
| EP features | Thorough fundamental training in combination with modern professional training, which allows to carry out innovative activities and work with leading institutions in the field of international economic relations, as well as the implementation of the program involves the involvement of practitioners, industry experts, employers. It is planned to pass an internship, pass a comprehensive final exam in the specialty and defend the qualification (diploma) work of a bachelor. |
| **4 – Suitability of graduates for employment and further study** |
| Suitability for employment  | Graduates can work at enterprises of any organizational and legal form in positions (according to the classifier of professions of Ukraine DK 003: 2010): **2419.2** Professionals in the field of marketing, business efficiency, production rationalization, intellectual property. Entrepreneurship efficiency specialist;Product rationalization specialist;Public Procurement Specialist;Specialist in the market expanding methods;Specialist in standardization, certification and quality;Commodity market research analyst;Expert in foreign economic issues;Production management engineer;Consultant on foreign economic issues.Jobs in domestic and international companies in various sectors of the economy; in public authorities and local governments; international organizations; international consulting and auditing companies. |
| Further training | Further education at the second (master's) level of higher education and / or acquisition of additional qualifications in the system of postgraduate education. |
| **5 –Teaching and assessment** |
| Teaching and learning | General learning style - task-oriented. Teaching is carried out in the form of: lectures, practical classes, computer workshops, independent work with the possibility of consulting with the teacher, term papers, individual tasks, practice, application of information and communication technologies (e-learning, online lectures, distance learning courses) educational components, performance of qualification work. All educational process participants are provided with timely and understandable information on the goals, content and program learning outcomes, the procedure and evaluation criteria. |
| Assessment | Current and semester control and qualification work defense are assessed in accordance with the defined criteria of the Rating system. |
| **6 – Program competencies** |
| Integral competence | The ability to solve complex specialized and practical problems in the economic sphere, which are characterized by complexity and uncertainty of the conditions and imply application of theories and methods of economics. |
| **General competencies**  **(ЗК)** |
| ЗК 1 | The ability to realize rights and responsibilities as a member of society, the values of civil (democratic) society and the need for its sustainable development, the rule of law, human and civil rights and freedoms in Ukraine. |
| ЗК 2 | The ability to preserve moral, cultural, scientific values and multiply the achievements of society on the basis of understanding of history and patterns of development of the subject area, its place in the general system of knowledge about nature and society and in the development of society and technology using different types and forms of motor activity for active rest and healthy lifestyle. |
| ЗК 3 | The ability to think abstractly, to analyze and to synthesize. |
| ЗК 4 | The ability to apply knowledge in practical problems. |
| ЗК 5 | Ability to communicate in the official language both verbally and in writing. |
| ЗК 6 | Ability to communicate in foreign language. |
| ЗК 7 | Skills of using information and communication technologies. |
| ЗК 8 | The ability to search, process and analyze information from different sources. |
| ЗК 9 | The ability to adapt and act in a new situation. |
| ЗК 10 | The ability to be critical and self-critical. |
| ЗК 11 | The ability to make informed decisions. |
| ЗК 12 | Interpersonal skills. |
| ЗК 13 | The ability to act socially and consciously. |
| **Professional competencies** **(ФК)** |
| ФК 1 | The ability to identify knowledge and understanding of the problems of the subject area, the foundations of the functioning of the modern economy at the micro, meso, macro and international levels. |
| ФК 2 | The ability to carry out professional activity in accordance with current normative and legal acts. |
| ФК 3 | Understanding the features of leading scientific schools and areas of economics. |
| ФК 4 | The ability to explain economic and social processes and phenomena on the basis of theoretical models, analyze and comprehensively interpret the obtained results.  |
| ФК 5 | Understanding the features of the modern world and national economy, their institutional structure, substantiation of directions of social, economic and foreign economic policy. |
| ФК 6 | The ability to apply economic and mathematical methods and models for solving economic problems. |
| ФК 7 | The ability to apply computer technology and data processing software to solve economic problems and analyze information and prepare analytical reports.  |
| ФК 8 | The ability to analyze and solve tasks in the field of economic and socio-labor relations. |
| ФК 9 | The ability to predict socio-economic processes on the basis of standard theoretical and econometric models. |
| ФК 10 | The ability to use modern sources of economic, social, managerial, accounting information for drawing up of official documents and analytical reports. |
| ФК 11 | The ability to substantiate economic decisions on the basis of understanding the regularities of economic systems and processes and using modern methodological tools.  |
| ФК 12 | The ability to independently identify problems of economic nature while analyzing specific situations, suggest means to solve them. |
| ФК 13 | The ability to conduct an economic analysis of the functioning and development of economic entities, assess their competitiveness. |
| ФК 14 | The ability to in-depth analyze issues and phenomena in one or more professional fields, taking into account economic risks and possible socio-economic consequences. |
| ***ФК 15*** | ***Ability to have a holistic system of knowledge about the essence of economic processes occurring in the international insurance market.*** |
| ***ФК 16*** | ***Ability to summarize information about the latest phenomena and processes occurring in the international economic system, and justify the strategies of its actors in the global environment.*** |
| **7** – **Program learning outcomes (ПРН)** |
| ПРН 1 | To associate oneself as a member of the civil society, the scientific community, to recognize the rule of law, in particular in professional activities, to understand and be able to use their own rights and freedoms, to show respect for the rights and freedoms of other persons, in particular, members of the collective.  |
| ПРН 2 | To reproduce moral, cultural, scientific values, multiply the achievements of society in the socioeconomic shere, and promote healthy lifestyles. |
| ПРН 3 | To know and use economic terminology, explain the basic concepts of micro- and macroeconomics. |
| ПРН 4 | To understand the principles of economics, especially the functioning of economic systems. |
| ПРН 5 | To apply analytical and methodical tools for substantiating proposals and making managerial decisions by various economic agents (individuals, households, enterprises and government authorities). |
| ПРН 6 | To use professional arguments to transmit information, ideas, problems and ways of their solving to professionals and non-professionals in the field of economic activity. |
| ПРН 7 | To explain the models of socio-economic phenomena from the point of view of fundamental principles and knowledge on the basis of understanding the basic directions of the development of economics. |
| ПРН 8 | To apply appropriate economic and mathematical methods and models for solving economic problems.  |
| ПРН 9 | To realize the main features of the modern world and national economy, the institutional structure, directions of social, economic and foreign economic policy of the state. |
| ПРН 10 | To analyze the functioning and development of economic entities, to identify functional areas, to calculate the relevant indicators that characterize the performance of their activities. |
| ПРН 11 | To be able to analyze the processes of government authorities and market regulation of socio-economic and labor relations. |
| ПРН 12 | To apply the acquired theoretical knowledge to solve practical problems and interpret the obtained results in a meaningful way. |
| ПРН 13 | To identify sources and understand the methodology of determination and methods for obtaining socioeconomic data, collect and analyze the necessary information, calculate economic and social indicators. |
| ПРН 14 | To identify and plan personal career development opportunities. |
| ПРН 15 | To demonstrate the basic skills of creative and critical thinking in research and professional communication. |
| ПРН 16 | To be able to use data, provide argumentation, critically evaluate logic and draw conclusions from scientific and analytical texts on economics. |
| ПРН 17 | To perform multidisciplinary analysis of socioeconomic phenomena and problems in one or more professional fields, taking into account risks and possible socio-economic consequences. |
| ПРН 18 | To use normative and legal acts regulating professional activities. |
| ПРН 19 | To use information and communication technologies to solve socio-economic problems, prepare and present analytical reports. |
| ПРН 20 | To master the skills of oral and written professional communication in official and foreign languages. |
| ПРН 21 | To be able to think abstractly, apply analysis and synthesis to identify the key characteristics of economic systems of various levels, as well as the peculiarities of their subjects' behavior. |
| ПРН 22 | To demonstrate flexibility and adaptability in new situations, in working with new objects and in uncertain conditions.  |
| ПРН 23 | To show skills of independent work, demonstrate critical, creative, self-critical thinking. |
| ПРН 24 | To demonstrate the ability to act socially and consciously on the basis of ethical principles, to appreciate and respect cultural diversity, individual differences of people. |
| ПРН 25 | Determine the influence of factors and analyze changes in the country's international monetary policy; to organize the functional support of foreign trade agreements involving the necessary foreign exchange transactions. |
| ПРН 26 | Calculate the parity ratio of exchange rates, cross-rates, forward rates. |
| ПРН 27 | To form the mission and strategic goals of the enterprise. |
| ПРН 28 | Develop systems for monitoring the strategic activities of the enterprise. |
| ПРН 29 | Identify and understand the causal links between economic phenomena and processes in the professional field, identify and assess the factors of influence. |
| ПРН 30 | Determine the performance of export and import operations. |
| ПРН 31 | Carry out financial planning of the enterprise. |
| ПРН 32 | Carry out a comparative description of insurance products and choose the appropriate ones. |
| **8 - Resource support for the implementation of the program** |
| Staffing  | According to the personnel requirements for ensuring the implementation of educational activities for the relevant level of HE, approved by the Resolution of the Cabinet of Ministers of Ukraine dated 30.12.2015 № 1187 as amended in accordance with the Resolution of the Cabinet of Ministers of Ukraine №347 dated 10.05.2018. |
| Material and technical support | According to the technological requirements for the material and technical support of educational activities of the corresponding level of Higher Education, approved by the Resolution of the Cabinet of Ministers of Ukraine dated 30.12.2015 № 1187 as amended in accordance with the Resolution of the Cabinet of Ministers of Ukraine № 347 dated 10.05.2018.Use of equipment for lectures in the format of presentations, network technologies, in particular on the distance learning platform Sikorsky, demonstration industry equipment during laboratory workshops. |
| Information, educational and methodological support | According to the technological requirements for educational, methodological and informational support of educational activities of the corresponding level of Higher Education approved by the Resolution of the Cabinet of Ministers of Ukraine dated 30.12.2015 № 1187 as amended in accordance with the Resolution of the Cabinet of Ministers of Ukraine № 347 dated 10.05.2018.Use of the Scientific and Technical Library of the National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”. |
| 9 - **Academic mobility** |
| National credit mobility | The opportunity for concluding relevant agreements |
| International credit mobility | Erasmus +, Eurasia |
| Training for foreign applicants of HE | Teaching with the condition of proficiency in the Ukrainian language - teaching in general groups, or in separate groups with teaching in English |

**2. 2. COMPONENTS LIST OF THE EDUCATIONAL PROGRAM**

|  |  |  |  |
| --- | --- | --- | --- |
| Code | Components of the educational program(disciplines, course projects / works,practice, qualification work) | Number of ECTS credits | Form of final control |
| **1. Сompulsory educational components** |
| **1.1. General training cycle** |
| ЗО 1 | Ukrainian language for professional purposes | 2 | Тest |
| ЗО 2 | History of Ukrainian Culture | 2 | Тest |
| ЗО 3 | Basics of a healthy lifestyle | 3 | Тest |
| ЗО 4 | Foreign Language | 6 | Тest  |
| ЗО 5 | Philosophy | 2 | Тest |
| ЗО 6 | Science of law | 2 | Тest |
| ЗО 7 | Foreign Language for professional purposes  | 6 | Еxam |
| ЗО 8 | History of Economics and Economic Concept | 4,5 | Еxam |
| ЗО 9 | Mathematics for Economists | 7,5 | Еxam |
| ЗО 10 | Theory of Probability and Mathematical Statistics | 5 | Еxam |
| ЗО 11 | Informatics | 6 | Тest |
| ЗО 12 | Management | 3,5 | Тest |
| ЗО 13 | Socially responsible marketing | 3,5 | Тest  |
| ЗО 14 | Statistics | 5 | Еxam |
| **1.2. Vocational training cycle** |
| ПО 1 | Economic Theory | 4,5 | Еxam |
| ПО 2 | Regional Economics | 3,5 | Тest |
| ПО 3 | Money and Credit | 4 | Еxam |
| ПО 4 | Macroeconomics | 4,5 | Еxam |
| ПО 5 | Microeconomics | 4 | Тest |
| ПО 6 | Optimization Methods and Models | 4,5 | Еxam |
| ПО 7 | Finances | 5 | Еxam |
| ПО 8 | Economics of Enterprise | 5 | Тest |
| ПО 9 | Econometrics | 4,5 | Тest |
| ПО 10 | Accounting | 4,5 | Еxam |
| ПО 11 | Economics of Labour and Social Labour Relations | 5 | Еxam |
| ПО 12 | International Economics | 4,5 | Еxam |
| ПО 13 | Integration Processes:Introduction to Specialty | 3 | Тest |
| ПО 14 | National economy | 3 | Тest |
| ПО 15 | International Economic Activity of Ukraine | 4 | Еxam |
| ПО 16 | Economic Analysis of International Business | 4 | Еxam |
| ПО 17 | Functional-cost analysis | 3,5 | Тest |
| ПО 18 | International Insurance | 3,5 | Еxam |
| ПО 19 | International Accounts and Currency Operations | 5 | Еxam |
| ПО 20 | International economic law | 3 | Тest |
| ПО 21 | European integration | 4 | Тest |
| ПО 22 | European integration Coursework | 1 | Тest |
| ПО 23 | Investment | 4 | Еxam |
| ПО 24 | Investment Coursework | 1 | Тest |
| ПО 25 | Economics of Foreign Countries | 4 | Еxam |
| ПО 26 | Economics of Foreign Countries Coursework | 1 | Тest |
| ПО 27 | International financial system | 6,5 | Еxam |
| ПО 28 | International financial system: Basics of International Finance Coursework | 1 | Тest |
| ПО 29 | Multinational Corporations | 4 | Еxam  |
| ПО 30 | Multinational Corporations Coursework | 1 | Тest |
| ПО 31 | Pre-diploma Practice | 6 | Тest |
| ПО 32 | Bachelor Thesis Designing | 6 | Defence |
| **2. Оptional educational components** |
| **2.1. General training cycle (Оptional subjetcs from University catalogue)** |
| ЗВ 1 | Educational component 1 of the GU-Catalog | 2 | Тest |
| ЗВ 2 | Educational component 2 of the GU-Catalog | 2 | Тest |
| **2.2. Vocational training cycle (Оptional subjetcs from Faculty catalogue)** |
| ПВ 1 | Educational component 1 of the F-Catalog | 4 | Тest |
| ПВ 2 | Educational component 2 of the F-Catalog | 4 | Тest |
| ПВ 3 | Educational component 3 of the F-Catalog | 4 | Тest |
| ПВ 4 | Educational component 4 of the F-Catalog | 4 | Тest |
| ПВ 5 | Educational component 5 of the F-Catalog | 4 | Тest |
| ПВ 6 | Educational component 6 of the F-Catalog | 4 | Тest |
| ПВ 7 | Educational component 7 of the F-Catalog | 4 | Тest |
| ПВ 8 | Educational component 8 of the F-Catalog | 4 | Тest |
| ПВ 9 | Educational component 9 of the F-Catalog | 4 | Тest |
| ПВ 10 | Educational component 10 of the F-Catalog | 4 | Тest |
| ПВ 11 | Educational component 11 of the F-Catalog | 4 | Тest |
| ПВ 12 | Educational component 12 of the F-Catalog | 4 | Тest |
| ПВ 13 | Educational component 13 of the F-Catalog | 4 | Тest |
| ПВ 14 | Educational component 14 of the F-Catalog | 4 | Тest |
| TOTAL IN СOMPULSORY educational components**:** | **180** |
| TOTAL IN SELECTIVE educational components**:** | **60** |
| TOTAL OF THE EDUCATIONAL PROGRAM | **240** |

**3. STRUCTURAL AND LOGICAL SCHEME OF THE EDUCATIONAL PROGRAM**

**ПО 29.** Multinational Corporations

**ПО 30.** Multin Corporations Coursework

**ПО 26.** Між фін ст: Осн між. Фін.

**ПО 19.** International Accounts and Currency Operations

**ПО 27.** International fin sys: Basics of International Finance Coursework

**ПО 28.** Inter fin sys: B of Inte Fin Cours Coursework

**ПО 31.** Pre-diploma Practice

**ПО 32.** Bachelor Thesis Designing

Сompulsory educational components of EP

General training cycle

Vocational training cycle

Оptional educational components of EP

General training cycle

Vocational training cycle

**ЗО 3.** Basics of a healthy lifestyle

**ЗО 4.** Foreign Language

**ЗО 1.** Ukrainian language for professional purposes.

**ЗО 2.** History of Ukrainian Culture

**ЗО 8.** History of Economics and Economic Concept

**ЗО 11.** Informatics

**ЗО 9.** Mathematics for Economists

**ЗО 12.** Management

**ЗО 13.** Socially responsible marketin

**ПО 1.** Economic Theory

**ПО 2.** Regional Economics

**ПО 3.** Money and Credit

**ПО 4.** Macroeconomics

**ПО 5.** Microeconomics

**ПО 6.** Optimization Methods and Models

**ЗО 16.** Economic Analysis of International Business

**ПО 10.** Accounting

**ПО 11.** Economics of Labour and Social Labour Relations.

**ПО 23.** **Investment**

**ПО 24.** Investment Coursework

**ЗО 6** Science of law

**ПО 12.** International Economics

**ПО 25.** Economics of Foreign Countries

**ПО 26.** Economics of F C Coursework

**ПО 17**. Functional-cost analysis

**ЗВ 2.** Educational c 1 of the GU-Catalog

**ЗВ 1.** Educational c 1 of the GU-Catalog

**ЗО 7 .** Foreign Language for professional purposes

**ЗВ 1.** Educational com-t 1 of the F-Catalog

**ПВ 8.** Educational com-t 8 of the F-Catalog

**ПВ 9.** Educational com-t 9 of the F-Catalog

**ПВ 10.** Educational com 10 of the F-Catalog

**ПВ 11.** Educational com 11 of the F-Catalog

**ПВ 12.** Educational com 12 of the F-Catalog

**ПВ 13.** Educational com 13 of the F-Catalog

**ПВ 14.** Educational com 14 of the F-Catalog

**ПВ 2.** Educational com-t 2 of the F-Catalog

**ПВ 3.** Educational com-t 3 of the F-Catalog

**ПВ 4** Educational com-t 4 of the F-Catalog

**ПВ 5.** Educational com-t 5 of the F-Catalog

**ПО 14.** National economy

**ПО 7.** Finances

**ПО 8.** Economics of Enterprise

**ПО 18.** International Insurance

**ПО 13.** Integration Processes:Introduction to Specialty

**ЗО 14.** Statistics

**ПО 9.** Econometrics

**ПО 12.** European integration

**ПО 22.** European integration Courswork

**ПО 15.** International Econ Activity of Ukr

**ЗО 10.** Theory of Probability and Mathematical Statistics

ІІ course

ІІІcourse

ІV course

І course



**ПВ 6.** Educational com-t 6 of the F-Catalog

**ПВ 7.** Educational com 7 of the F-Catalog

**4. FORMS FOR GRADUATE CERTIFICATION FOR APPLICANTS OF HIGHER EDUCATION**

|  |  |
| --- | --- |
| **Forms for certification for applicants of higher education**  | Graduation certification for applicants of higher education under the educational program "International Economics" specialty 051 "Economics" is conducted in the form of public defense of the qualification work. The qualification work is checked for plagiarism and after the defense is placed in the repository of KPI Library for free access.  Publication of qualification works containing information with limited access should be carried out in accordance with the requirements of current legislation.  Graduation certification ends with the issuance of a standard document on the award of a bachelor's degree with the qualification: Bachelor of Economics for EPP "International Economics". |
| **Requirements for qualification work** | The qualification work should involve solving a complex specialized problem or practical problem in the economic field using theories and methods of economics. There can’t be academic plagiarism, falsification or writing off in the qualification work. |

**5. MATRIX OF CONFORMITY A PROGRAM COMPETENCIES TO THE COMPONENTS OF THE EDUCATIONAL PROGRAM**

**5.1. Compulsory educational components of the EP (general training cycle).**

|  | ЗО 1 | ЗО 2 | ЗО 3 | ЗО 4 | ЗО 5 | ЗО 6 | ЗО 7 | ЗО 8 | ЗО 9 | ЗО 10 | ЗО 11 | ЗО 12 | ЗО 13 | ЗО 14 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ЗК 1 |  |  |  |  |  | + |  |  |  |  |  |  |  |  |
| ЗК 2 |  | + | + |  | + |  |  |  |  |  |  |  |  |  |
| ЗК 3 |  |  |  |  |  |  |  | + |  |  |  |  |  | + |
| ЗК 4 |  |  |  |  |  |  |  |  | + |  |  |  |  | + |
| ЗК 5 | + |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ЗК 6 |  |  |  | + |  |  | + |  |  |  |  |  |  |  |
| ЗК 7 |  |  |  |  |  |  |  |  |  |  | + |  |  |  |
| ЗК 8 |  |  |  |  |  |  |  |  | + | + |  |  |  |  |
| ЗК 9 |  |  |  |  |  | + |  |  |  |  |  |  |  |  |
| ЗК 10 |  |  |  |  |  |  |  | + |  |  |  |  |  |  |
| ЗК 11 |  |  |  |  |  |  |  |  |  |  |  | + |  | + |
| ЗК 12 | + |  | + |  |  |  | + |  |  |  |  |  |  |  |
| ЗК 13 |  |  |  |  |  |  |  |  |  |  |  |  | + |  |

**5.2. Compulsory educational components of the EP (Vocational training cycle from ПО 1-16).**

|  | **ПО 1** | **ПО 2** | **ПО 3** | **ПО 4** | **ПО 5** | **ПО 6** | **ПО 7** | **ПО 8** | **ПО 9** | **ПО 10** | **ПО 11** | **ПО 12** | ПО 13 | ПО 14 | ПО 15 | ПО 16 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ФК 1** | + |  |  | + | + |  | + |  |  |  |  | + | + | + | + |  |
| **ФК 2** |  |  |  |  |  |  |  |  |  |  | + |  |  |  | + |  |
| **ФК 3** | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **ФК 4** | + |  |  |  |  | + | + | + |  |  |  |  |  |  |  |  |
| **ФК 5** |  |  |  | + |  |  |  |  |  |  |  | + | + | + | + |  |
| **ФК 6** |  |  |  |  |  | + |  |  | + |  |  |  |  |  |  | + |
| **ФК 7** |  |  |  |  |  | + |  |  | + |  |  |  |  |  |  |  |
| **ФК 8** |  | + |  |  |  |  |  |  |  | + | + |  |  |  |  |  |
| **ФК 9** |  |  |  |  |  | + |  |  | + |  |  |  |  |  |  |  |
| **ФК 10** |  |  |  |  |  |  |  | + |  | + |  |  |  |  | + | + |
| **ФК 11** |  |  |  |  |  |  |  |  |  |  |  |  | + |  |  | + |
| **ФК 12** |  |  | + |  |  |  |  |  |  |  |  |  | + |  |  |  |
| **ФК 13** |  |  | + |  |  |  | + | + |  |  |  |  |  |  | + | + |
| **ФК 14** |  |  |  |  |  |  |  |  |  |  |  |  |  | + | + |  |
| ФК 15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ФК 16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ФК 17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ФК 18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ФК 19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**5.3. Compulsory educational components of the EP (Vocational training cycle from ПО 17-32).**

|  | ПО 17 | ПО 18 | ПО 19 | ПО 20 | ПО 21 | ПО 22 | ПО 23 | ПО 24 | ПО 25 | ПО 26 | ПО 27 | ПО 28 | ПО 29 | ПО 30 | ПО 31 | ПО 32 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ФК 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | + | + |
| ФК 2 |  |  |  | + |  |  |  |  |  |  |  |  |  |  | + | + |
| ФК 3 |  |  |  |  |  |  |  |  | + | + |  |  |  |  |  |  |
| ФК 4 |  |  |  |  |  |  |  |  | + | + |  |  |  |  |  |  |
| ФК 5 |  |  |  |  | + | + |  |  | + | + |  |  |  |  | + | + |
| ФК 6 | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ФК 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ФК 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ФК 9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | + | + |
| ФК 10 | + |  | + |  |  | + |  |  |  |  |  |  |  |  |  |  |
| ФК 11 | + |  |  |  | + | + | + | + |  |  |  |  |  |  |  |  |
| ФК 12 |  |  |  |  |  |  | + | + |  |  |  |  |  |  | + | + |
| ФК 13 | + |  |  |  |  |  | + | + |  |  | + | + |  |  |  |  |
| ФК 14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | + | + |
| ФК 15 |  | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ФК 16 |  |  |  |  |  |  |  |  |  |  | + | + | + | + | + | + |
| ФК 17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ФК 18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ФК 19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**6. MATRIX OF PROVIDING PROGRAM LEARNING RESULTS BY RELEVANT COMPONENTS OF THE EDUCATIONAL PROGRAM**

**6.1. Compulsory educational components of the EP (general training cycle).**

|  | ЗО 1 | ЗО 2 | ЗО 3 | ЗО 4 | ЗО 5 | ЗО 6 | ЗО 7 | ЗО 8 | ЗО 9 | ЗО 10 | ЗО 11 | ЗО 12 | ЗО 13 | ЗО 14 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ПРН 1 | + | + | + | + | + | + | + |  |  |  |  | + | + | + |
| ПРН 2 | + | + | + |  | + | + | + | + |  |  |  |  | + |  |
| ПРН 3 | + |  |  |  |  |  |  | + | + |  |  |  |  | + |
| ПРН 4 |  |  |  | + |  | + | + | + | + |  |  |  |  | + |
| ПРН 5 | + | + | + | + | + | + | + |  |  | + | + |  |  |  |
| ПРН 6 | + | + | + |  | + | + |  | + | + |  |  |  |  | + |
| ПРН 7 |  | + | + |  | + | + |  |  | + | + | + |  |  |  |
| ПРН 8 |  |  |  | + |  | + | + | + | + |  |  |  |  | + |
| ПРН 9 |  |  |  | + |  | + | + | + | + |  |  |  |  | + |
| ПРН 10 | + | + |  | + |  | + | + |  | + | + | + | + |  | + |
| ПРН 11 | + | + | + | + |  | + | + | + | + | + |  |  |  |  |
| ПРН 12 | + | + | + |  | + | + | + | + | + | + |  | + |  | + |
| ПРН 13 | + | + |  |  |  | + |  |  | + | + | + |  | + | + |
| ПРН 14 |  | + | + |  | + | + |  | + | + | + |  | + |  | + |
| ПРН 15 | + | + | + |  | + | + |  | + | + | + | + |  |  |  |
| ПРН 16 | + |  | + |  |  | + | + | + | + |  |  |  |  | + |
| ПРН 17 | + | + | + | + | + | + | + |  | + | + |  |  |  |  |
| ПРН 18 | + | + | + |  | + | + | + |  |  |  |  |  |  |  |
| ПРН 19 | + |  |  | + |  | + | + |  | + | + | + |  |  |  |
| ПРН 20 | + |  | + | + |  | + | + | + | + |  |  |  |  |  |
| ПРН 21 |  | + |  |  |  | + |  | + | + | + | + |  |  | + |
| ПРН 22 | + | + | + |  | + | + | + |  |  |  |  |  |  |  |
| ПРН 23 |  | + | + |  | + |  |  | + |  |  |  | + | + | + |
| ПРН 24 | + | + | + |  | + | + | + | + |  | + | + | + | + | + |
| ПРН 25 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ПРН 26 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ПРН 27 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ПРН 28 |  |  |  |  |  |  |  |  |  |  |  |  |  | + |
| ПРН 29 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ПРН 30 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ПРН 31 |  |  |  |  |  |  |  |  |  |  |  |  |  | + |
| ПРН 32 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**6.2. Compulsory educational components of the EP (Vocational training cycle from ПО 1-16).**

|  | ПО 1 | ПО 2 | ПО 3 | ПО 4 | ПО 5 | ПО 6 | ПО 7 | ПО 8 | ПО 9 | ПО 10 | ПО 11 | ПО 12 | ПО 13 | ПО 14 | ПО 15 | ПО 16 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ПРН 1 | + |  |  | + | + |  |  |  |  |  |  | + | + | + | + |  |
| ПРН 2 | + |  | + |  |  | + | + | + |  |  |  |  | + |  |  | + |
| ПРН 3 | + |  |  | + | + | + | + | + |  |  |  | + | + | + | + |  |
| ПРН 4 | + |  | + | + | + | + | + | + | + |  |  | + | + | + | + | + |
| ПРН 5 |  |  | + |  |  |  |  | + |  |  | + |  | + | + | + | + |
| ПРН 6 | + |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| ПРН 7 | + |  |  | + | + | + | + | + | + |  |  | + | + | + | + | + |
| ПРН 8 | + |  | + |  |  | + | + | + | + |  |  |  | + |  |  | + |
| ПРН 9 | + | + |  | + | + | + | + | + |  |  |  | + | + | + | + |  |
| ПРН 10 | + |  |  | + | + |  | + | + |  | + | + | + | + | + | + | + |
| ПРН 11 |  |  |  | + |  |  | + | + |  | + | + | + | + | + | + | + |
| ПРН 12 |  |  | + |  |  |  |  |  |  |  | + |  | + | + | + | + |
| ПРН 13 | + |  |  |  |  | + | + | + |  | + |  |  |  | + | + | + |
| ПРН 14 | + |  | + | + | + |  | + |  |  |  |  | + | + | + | + |  |
| ПРН 15 |  |  | + |  |  |  |  |  |  |  |  |  | + | + | + | + |
| ПРН 16 | + |  |  |  |  | + | + | + |  | + |  |  |  | + | + | + |
| ПРН 17 | + |  |  | + | + | + | + | + |  | + |  | + | + | + | + | + |
| ПРН 18 |  |  |  |  |  |  |  | + |  | + | + |  |  | + | + | + |
| ПРН 19 |  |  |  |  |  | + |  | + | + | + |  |  |  |  | + | + |
| ПРН 20 |  |  |  | + |  |  |  |  |  |  |  | + | + | + | + |  |
| ПРН 21 | + |  | + | + | + | + | + | + |  |  |  | + | + | + | + | + |
| ПРН 22 |  |  | + |  |  |  | + | + |  |  |  |  | + | + | + | + |
| ПРН 23 | + |  | + |  |  | + | + | + |  |  |  |  | + |  |  |  |
| ПРН 24 |  |  |  | + |  |  |  |  |  |  |  | + | + | + | + |  |
| ПРН 25 |  |  |  |  |  |  | + |  |  |  |  |  | + |  | + |  |
| ПРН 26 |  |  |  |  |  |  |  |  |  |  |  |  | + |  |  |  |
| ПРН 27 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ПРН 28 |  |  |  |  |  |  |  |  |  | + |  |  |  |  |  |  |
| ПРН 29 |  |  |  |  |  |  | + |  |  | + |  |  |  | + | + |  |
| ПРН 30 |  |  |  |  |  |  |  |  |  | + |  |  |  |  | + |  |
| ПРН 31 |  |  |  |  |  |  | + |  |  |  |  |  |  |  | + |  |
| ПРН 32 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**6.3. Compulsory educational components of the EP (Vocational training cycle from ПО 17-32).**

|  | ПО 17 | ПО 18 | ПО 19 | ПО 20 | ПО 21 | ПО 22 | ПО 23 | ПО 24 | ПО 25 | ПО 26 | ПО 27 | ПО 28 | ПО 29 | ПО 30 | ПО 31 | ПО 32 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ПРН 1 |  |  |  |  | + | + |  |  | + | + |  |  |  |  | + | + |
| ПРН 2 | + |  |  |  | + | + | + | + | + | + |  |  |  |  |  |  |
| ПРН 3 |  |  |  |  | + | + |  |  | + | + |  |  |  |  | + | + |
| ПРН 4 | + |  |  |  | + | + | + | + | + | + | + | + |  |  | + | + |
| ПРН 5 | + |  |  | + | + | + | + | + |  |  |  |  | + | + | + | + |
| ПРН 6 | + |  | + | + | + | + | + | + |  |  |  |  |  |  | + | + |
| ПРН 7 | + |  |  |  | + | + | + | + | + | + | + | + |  |  | + | + |
| ПРН 8 | + |  |  |  | + | + | + | + | + | + |  |  |  |  | + | + |
| ПРН 9 |  |  |  |  | + | + |  |  | + | + |  |  |  |  | + | + |
| ПРН 10 | + |  | + | + | + | + | + | + |  |  | + | + | + | + | + | + |
| ПРН 11 | + |  | + |  | + | + |  |  | + | + |  |  | + | + | + | + |
| ПРН 12 | + |  |  | + | + | + | + | + |  |  |  |  |  |  | + | + |
| ПРН 13 | + |  | + |  | + | + | + | + | + | + | + | + |  |  |  |  |
| ПРН 14 |  |  |  |  |  |  | + | + |  |  |  |  |  |  | + | + |
| ПРН 15 | + |  |  |  | + | + | + | + |  |  |  |  |  |  | + | + |
| ПРН 16 | + |  | + |  | + | + |  |  | + | + |  |  | + | + |  |  |
| ПРН 17 | + |  | + |  | + | + |  |  | + | + |  |  | + | + | + | + |
| ПРН 18 |  |  | + | + | + | + |  |  |  |  | + | + |  |  | + | + |
| ПРН 19 | + |  | + |  | + | + |  |  |  |  |  |  |  |  |  |  |
| ПРН 20 |  |  |  |  | + | + |  |  | + | + |  |  |  |  | + | + |
| ПРН 21 | + |  |  |  | + | + | + | + | + | + |  |  | + | + | + | + |
| ПРН 22 | + |  |  |  | + | + | + | + |  |  | + | + |  |  | + | + |
| ПРН 23 |  |  |  |  | + | + | + | + | + | + | + | + |  |  | + | + |
| ПРН 24 |  |  |  |  | + | + |  |  | + | + |  |  | + | + | + | + |
| ПРН 25 |  |  | + |  |  |  |  |  | + | + | + | + |  |  |  |  |
| ПРН 26 |  |  | + |  |  |  |  |  |  |  | + | + |  |  |  |  |
| ПРН 27 |  | + |  | + | + | + | + | + | + | + |  |  |  |  |  |  |
| ПРН 28 |  |  |  |  |  |  |  |  | + | + |  |  |  |  |  |  |
| ПРН 29 |  |  |  | + |  |  | + | + | + | + | + | + |  |  |  |  |
| ПРН 30 |  |  |  | + |  |  |  |  | + | + | + | + |  |  |  |  |
| ПРН 31 |  |  |  |  |  |  | + | + |  |  | + | + |  |  |  |  |
| ПРН 32 |  | + |  | + |  |  |  |  |  |  |  |  |  |  |  |  |