

**MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
SUMY NATIONAL AGRARIAN UNIVERSITY**

**EDUCATIONAL AND PROFESSIONAL PROGRAM
"LOCAL ECONOMIC DEVELOPMENT"
Second (Master's) Level of Higher Education
in the field of specialization 051 "Economics"
of the branch of knowledge 05 "Social and Behavioral Sciences"
Qualification: Master in Local Economic Development
(Enrolment year: 2024)**

Approved by the Academic Council of Sumy NAU
on the ____ day of _____ 2024

Protocol No. ____

Chairman of the Academic Council: Volodymyr LADYKA

The educational program becomes effective on September 1, 2024
(Order No. ____ dated _____ 2024)
Rector: Volodymyr LADYKA

Letter of Approval
for the Educational and Professional Program
051 "LOCAL ECONOMIC DEVELOPMENT"

Project team consisting of:

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Approved at the meeting of the faculty of economics and management academic council on march 21, 2023, protocol No. 8.

Chair of the faculty of economics and management academic council, D.Sc. (Economics), professor

Margaryta Lyshenko

FOREWORD

The educational and professional program for the preparation of higher education seekers at the master's level in the specialty 051 "Economics" with the specialization "Local Economic Development" contains the volume of ECTS credits required to obtain the corresponding degree of higher education; a list of competencies of the graduate; the normative content of the preparation of higher education seekers, formulated in terms of learning outcomes; forms of attestation of higher education seekers; requirements for the availability of a quality assurance system for higher education.

The educational program is developed based on the following regulatory documents and recommendations:

On Higher Education: Law of Ukraine dated July 01, 2014, No. 1556-VII. URL: <http://zakon5.rada.gov.ua/laws/show/2145-19>.

On Education: Law of Ukraine dated September 05, 2017, No. 2145-VIII. URL: <http://zakon5.rada.gov.ua/laws/show/2145-19>.

On the Approval of the List of Fields of Knowledge and Specialties for the Preparation of Higher Education Seekers: Resolution of the Cabinet of Ministers of Ukraine dated April 29, 2015, No. 266. URL: <http://zakon4.rada.gov.ua/laws/show/266-2015-п>.

On the Approval of the National Qualifications Framework: Resolution of the Cabinet of Ministers of Ukraine dated November 23, 2011, No. 1341. URL: <http://zakon4.rada.gov.ua/laws/show/1341-2011-п>.

National Classifier of Ukraine "Classification of Types of Economic Activity" DK 009: 2010. URL: <http://www.ukrstat.gov.ua>.

National Classifier of Ukraine "Occupational Classification" DK 003: 2010. URL: <http://www.dk003.com>.

Methodological recommendations for the development of higher education standards, approved by the order of the Ministry of Education and Science of Ukraine dated June 01, 2016, No. 600 (as amended by the order of the Ministry of Education and Science of Ukraine dated October 01, 2019, No. 1254), approved by the Higher Education Sector of the Scientific and Methodological Council of the Ministry of Education and Science of Ukraine (Protocol No. 3 of June 21, 2019). URL: <https://law.chnu.edu.ua/metodychni-rekomendatsii-shchodo-rozroblennia-standartiv-vo/>

Development of the quality assurance system of higher education in Ukraine: an information and analytical review. URL: http://ihed.org.ua/images/doc/04_2016_Rozvitok_sisitemi_zabesp_yakosti_VO_UA_2015.pdf.

EQF-LLL – European Qualifications Framework for Life long Learning. URL: https://ec.europa.eu/ploteus/sites/eac-eqf/files/brochexp_en.pdf.

QF-EHEA – Qualification Framework of the European Higher Education Area. URL: <http://www.ehea.info/article-details.aspx?ArticleId=67>.

TUNING (for acquaintance with special (professional) competencies and standards. URL: <http://www.unideusto.org/tuningeu>.

Profile of the educational program in the specialty 051 "Economics" with the specialization "Local Economic Development"

| 1 - General Information | |
|---|---|
| Full name of the higher education institution and its structural unit. | Sumy National Agrarian University Faculty of Economics and Management |
| Degree of higher education and the qualification name in the original language. | Master's Degree Master's in Local Economic Development |
| Official name of the educational program. | Local Economic Development |
| Type of diploma and the scope of the educational program. | Master's Diploma – singular. 90 ECTS credits, duration of study: 1 year and 4 months. Over 35% of the educational program is dedicated to acquiring general professional (specialized) competencies in accordance with the higher education standard. |
| Accreditation status. | Certificate No. 2539 dated December 17, 2021 |
| Cycle/level. | NQF Ukraine – Level 7, QF-EHEA – Second cycle, EQF-LLL – Level 7 |
| Prerequisites. | Existing degree: Bachelor's |
| Language(s) of instruction. | Languages of instruction: Ukrainian, English |
| Duration of the educational program. | Duration of the educational program "Local Economic Development" until July 1, 2027. |
| Internet address for the permanent location of the program description. | https://snau.edu.ua/viddil-zabezpechennya-yakosti-osviti/zabezpechennya-yakosti-osviti/osvitni-programi/osvitni-programi-2022/osvitni-programi-fakultetu-ekonomiki-i-menedzhmentu-2022/ |
| 2 - Purpose of the educational and professional program | |
| <p>The main mission of the program is to prepare professionals with synergistic thinking skills to improve the quality of life and economic potential of local communities, capable of building a society based on sustainable development principles.</p> <p>The goal of the Educational and Professional Program "Local Economic Development Economics" under the specialty 051 "Economics" (Educational qualification level – Master's) is to train highly qualified leaders capable of solving complex economic problems and issues characterized by uncertainty in the field of local (territorial) development. Graduates of the program should be able to make relevant analytical and managerial decisions to ensure sustainable development of territories (local communities) through attracting investment resources, increasing the efficiency of resource potential, and applying methods of strategic planning, programming, and forecasting.</p> <p>The object of study includes contemporary economic processes and phenomena, scientific methods of normative, quantitative, and institutional analysis, and the toolkit for forming regional economic policies and the economy of regional enterprises.</p> | |

| 3 - Description of the educational and professional program | |
|---|---|
| Field of expertise, speciality, specialisation | 05 Social and Behavioral Sciences 051 Economics Local Economic Development |
| Orientation of the educational programme | Educational and Professional. The program develops competence in the field of local economic development, strategic planning, institutional analysis, modern quantitative methods for analyzing socio-economic processes in territories, attracting investments, preserving local businesses, financing, and evaluating local economic development, sustainable development of rural areas. The educational program is oriented towards the implementation of dual forms of education using geographic information systems in teaching and research. Students undergo internships in relevant departments and structures of territorial entities. |
| Main focus of the study programme and specialisation | Special education in the field of "Social and Behavioral Sciences" in specialty 051 "Economics" OP "Local Economic Development". <i>Keywords:</i> local development, socio-economic analysis, forecasting, strategic planning, programming, expert assessment, survey, design, financing. |
| 4 - Employability and further education prospects of graduates | |
| Suitability for employment | Graduates of the educational program have the opportunity to work in state authorities, local self-government bodies, agencies, and associations for regional development, holding positions such as specialists in strategic planning for the development of territorial communities, specialists in the formation of economic development programs for territories, experts in marketing and branding of territories, analysts in "green" economy projects, specialists in promoting investment opportunities of territories, and business plan development in various sectors of the economy, project managers, economic analysts, and more. |
| <i>Graduates are prepared for employment in the fields of the economy according to DK 003:2010.</i> | |
| Professional group code | Professional job title (position) |
| <i>Graduates are prepared to work in the fields of economics according to DK 003:2010.</i> | |
| 2441.2 | Investment Analyst |
| 1231 (21097) | Chief Economist |
| 1229.7 (21100) | Chief Expert |
| 2441.2 (25351) | Economist |
| 2441.2 (25359) | Economist for contractual and claims work |
| 2441.2 (25362) | Economist for material and technical support |
| 2441.2 (25368) | Economist for planning |
| 2441.2 (25377) | Economist for financial work |
| 2441.2 | Pricing Economist |
| 2441.2 | Statistician Economist |
| 2441.2 | Economic Advisor |
| 1229.1 | Head of the Department |
| 1238 | Project and Program Manager in the field of material and non-material production |

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| | 2441.2 (23068) | Economic consultant |
| | 2419.2 | Entrepreneurship efficiency consultant |
| | 1229.3 (23898) | Head of department (local government authorities) |
| | 1231 (23927) | Head of planning and economic department |
| | 2441.2 (24191) | Economic reviewer |
| | 2419.2 | Entrepreneurship efficiency specialist |
| | 2442.2 | Specialist in the placement of productive forces and regional economics |
| | 2447.2 | Project and program manager in the field of material and non-material production |
| <i>Graduates are prepared to work in the fields of economics according to DK 009:2010.</i> | | |
| | 70.10 | Activities of central offices (head offices) |
| | 84.13 | Regulation and promotion of economic activity |
| Further education | The possibility of pursuing education at the third (educational-scientific) level of higher education; obtaining postgraduate education in related and other specialties; professional development | |
| 5 – Teaching and assessment | | |
| Teaching and learning | Student-centered learning, problem-oriented learning, e-learning using the Moodle system, self-study, use of video conferencing services (ZOOM, Webex, Microsoft Teams, and other services), research-based learning, etc. | |
| Assessment | Continuous assessment, test-based assessments, individual assignment presentations, team project reports, internship reports, socio-economic development projects at various levels of economic systems. Final assessment includes exams and credits based on accumulated points from continuous assessment. Student performance is evaluated on a rating scale (passing grades 60...100) and a conversion scale ("excellent," "good," "satisfactory," "unsatisfactory"), which is used for credit conversion. | |
| 6 – Program competencies | | |
| Integrated competence | The ability to identify and solve complex economic problems, make appropriate analytical and managerial decisions in the field of economics or in the learning process, which involves conducting research and/or implementing innovations in conditions of uncertainty. | |
| General Competencies (GC) | GC1 – Ability to generate new ideas (creativity). | |
| | GC2 – Ability for abstract thinking, analysis, synthesis, and establishing connections between phenomena and processes. | |
| | GC3 – Ability to motivate people and work towards a common goal, act socially responsibly and consciously. | |
| | GC4 – Ability to communicate with representatives of other professional groups at different levels (with experts from other fields of knowledge). | |
| | GC5 – Ability to work in a team. | |
| | GC6 – Ability to develop and manage projects. | |
| | GC7 – Ability to act based on ethical considerations (motives). | |
| | GC8 – Ability to conduct research at an appropriate level. | |
| | GC9 – Ability to use information and communication technologies. | |
| | SC1 – Ability to apply scientific, analytical, methodological tools for forming and justifying strategies of local economic development and related management decisions. | |

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| Specialized (professional) competencies (SC) | SC2 – Ability to conduct professional communication in a foreign language and prepare project (grant) applications in a foreign language. |
| | SC3 – Ability to collect, analyze, and process empirical and statistical data, scientific-analytical materials necessary for solving complex economic problems of settlements and territories, and make reasoned conclusions based on them. |
| | SC4 – Ability to use modern information technologies, methods, and techniques for researching economic and social processes, as well as economic-mathematical methods and models adequate to the established research needs. |
| | SC5 – Ability to identify key trends in socio-economic and human development |
| | SC6 – Ability to formulate professional tasks in the field of economics and solve them by choosing appropriate directions and methods for their solution, taking into account available resources. |
| | SC7 – Ability to justify management decisions regarding the effective development of economic entities, identify negative and positive factors for the development of territorial business entities. |
| | SC8 – Ability to assess possible risks and socio-economic consequences of management decisions. |
| | SC9 – Ability to apply a scientific approach to the formation and implementation of effective projects in the socio-economic sphere. |
| | SC10 – Ability to develop scenarios and strategies for the development of socio-economic systems. |
| | <i>Additionally, for the educational program in accordance with the standard:</i> |
| | SC11 – Ability to plan and develop projects in the field of economics, provide its informational, methodological, material, financial, and personnel support. |
| | <i>Unique special (professional) competencies:</i> |
| | SC12 – Ability to create support for effective interaction with the public, government, and non-government institutions, and businesses in the process of marketing and branding of territories and other populated areas. |
| | SC13 – Ability to establish interpersonal social interactions, possess socio-psychological influence techniques in conflict resolution, optimization of social relationships, establishing effective teamwork, and collaborating with the media. |
| | SC14 – Ability to identify all types of competitive advantages possessed by the territory and factors for promoting investments in economic development of territories. |
| SC15 – Ability to assess sustainable development of the territory based on relevant indicators and develop methodological tools for economic justification of optimal directions for socio-economic development. | |
| 7 - Program learning outcomes (PLO) | |
| <i>Program learning outcomes according to the standard</i> | |
| | PLO 1 - Formulate, analyze, and synthesize solutions to scientific and practical problems. |
| | PLO 2 - Develop, justify, and make effective decisions related to the development of socio-economic systems and the management of economic entities. |
| | PLO 3 - Communicate fluently in both native and foreign languages, orally and in writing, on professional and scientific topics. |

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| | PLO 4 - Develop socio-economic projects and a system of comprehensive actions for their implementation, taking into account their goals, expected socio-economic consequences, risks, legislative, resource, and other constraints. |
| | PLO 5 - Adhere to the principles of academic integrity. |
| | PLO 6 - Evaluate the results of one's own work, demonstrate leadership skills, and manage personnel while working in a team. |
| | PLO 7 - Choose effective methods for managing economic activities and substantiate proposed decisions based on relevant data and scientific and applied research. |
| | PLO 8 - Collect, process, and analyze empirical and statistical data, as well as scientific and analytical materials necessary for solving complex economic tasks. |
| | PLO 9 - Make effective decisions under uncertain conditions and requirements that necessitate the application of new approaches, methods, and tools of socio-economic research. |
| | PLO 10 - Apply modern information technologies and specialized software in socio-economic research and management of socio-economic systems. |
| | PLO 11 - Identify and critically assess the state and trends of socio-economic development, formulate and analyze models of economic systems and processes. |
| | PLO 12 - Substantiate management decisions for the effective development of economic entities, taking into account goals, resources, constraints, and risks. |
| | PLO 13 - Evaluate possible risks and socio-economic consequences of management decisions. |
| | PLO 14 - Develop scenarios and strategies for the development of socio-economic systems. |
| | PLO 15 - Organize the development and implementation of socio-economic projects, considering information, methodological, material, financial, and personnel support. |
| | <i>Additional Learning Outcomes for this program beyond the standard:</i> |
| | PLO 16 - Create support for effective interaction with the public, governmental and non-governmental institutions, and businesses in the process of marketing and branding of regions, cities, united territorial communities, and other populated areas. |
| | PLO 17 - Establish interpersonal social interactions, possess social-psychological influence techniques for conflict resolution, optimization of social relations, effective interaction within a team, and cooperation with the media. |
| | PLO 18 - Identify all types of competitive advantages possessed by a territory and factors for promoting investments in territorial development; organize interaction between local self-government bodies, investors, and investment projects. |
| | PLO 19 - Conduct an assessment of sustainable territory development based on relevant indicators and develop a methodological toolkit for the economic justification of optimal directions for socio-economic development. |

| 8 – Resource Provision for Program Implementation | |
|---|---|
| Personnel provision | <p>According to the personnel requirements for ensuring the implementation of educational activities for the second level of higher education in accordance with the Licensing Conditions for Educational Activities, the implementation of the educational-professional program is carried out by highly qualified specialists with at least 10 years of work experience. All academic and teaching staff involved in the implementation of the educational-professional program in local economic development are permanent employees of Sumy National Agrarian University. All academic and teaching staff have academic degrees and/or academic titles and have a confirmed level of scientific and professional activity.</p> <p>To enhance the practical orientation of the educational process, leading scientists from the National Academy of Sciences of Ukraine, experts-practitioners (regional consultants in local economic development), and foreign experts are involved in conducting lectures, seminars, and training sessions.</p> <p>During their education, students complete all exercises using practical materials relevant to the respective locality.</p> |
| Material and technical provision | <p>In accordance with the technological requirements for ensuring the implementation of educational activities for the second level of higher education in accordance with the Licensing Conditions for Educational Activities.</p> <p>The availability of educational premises, computer workstations, and multimedia equipment meets the needs. All necessary social and household infrastructure is available, and the number of places in dormitories meets the requirements.</p> <p>To implement the educational-professional program at the Faculty of Economics and Management, there are specialized training and computer laboratories equipped with the necessary equipment and software.</p> |
| Information and educational methodological provision | <p>In accordance with the technological requirements for educational and methodological support and information provision of educational activities for the second level of higher education in accordance with the Licensing Conditions for Educational Activities.</p> <p>Official website of SNAU: https://snau.edu.ua/ (in Ukrainian and English); Virtual learning environment Moodle.</p> <p>Access to databases of periodic scientific publications Scopus and Web of Science; Work plans for educational programs.</p> <p>Syllabi for all educational disciplines of the educational-professional training program in local development economics are provided, including lecture outlines, methodological recommendations for practical classes and self-study, guidelines for completing pre-graduation internships, as well as recommendations for writing qualification (diploma) papers and means of assessment (criteria for assessing the level of preparation).</p> |
| 9 – Academic mobility | |
| National credit mobility | The possibility of concluding agreements on academic mobility. |
| International credit mobility | The possibility of concluding agreements on international mobility, long-term international projects involving higher education students, and so on. |
| Education of foreign students in higher education | The program does not include the education of foreign higher education students. |

10. List of components of the educational and professional program

| Code | Components of the educational program | Credits | Form of final assessment |
|--|---|---------|--------------------------|
| 1 | 2 | 3 | 4 |
| 1. MANDATORY COMPONENTS OF THE PROGRAM | | | |
| Cycle of professional-oriented humanitarian and socio-economic training (general training) | | | |
| MO1 | Research methodology and adherence to academic integrity principles | 5 | exam |
| MO2 | Empirical methods of sociological research | 5 | credit |
| MO3 | Management psychology and social communications in territory development | 5 | exam |
| MO4 | Business foreign language | 5 | credit |
| Cycle of professional and practical training | | | |
| MO5 | Fundamentals of local economic development | 5 | exam |
| MO6 | Project management for local and regional development | 5 | exam |
| MO7 | Marketing and branding of territories | 5 | exam |
| MO8 | Strategic planning and economic development forecasting for territories | 5 | credit |
| MO9 | Environmental economics | 5 | exam |
| MO10 | Applied information systems in territorial communities | 5 | credit |
| Total for theoretical and practical normative training | | 50 | - |
| 2. ELECTIVE COMPONENTS OF THE PROGRAM | | | |
| <p>*The list of elective educational components is determined based on the educational level of higher education applicants, in accordance with the Regulations of SNAU "On Elective Courses." During their studies, a student has the right to choose 5 educational disciplines in the second year of study. Elective disciplines are multiples of 5.0 ECTS credits.</p> <p>Elective educational disciplines consist of three blocks:</p> <p>2.1. General university elective disciplines.</p> <p>2.2. Elective disciplines of general training within the program of the faculty.</p> <p>2.3. Elective disciplines of professional training.</p> | | | |
| Total volume of elective components: | | 25 | |
| 3. ASSESSMENT OF HIGHER EDUCATION STUDENTS | | | |
| MO11 | Pre-graduation internship and professional training | 5 | |
| MO12 | Preparation of qualification work and certification of higher education graduates | 10 | |
| TOTAL VOLUME OF THE EDUCATIONAL PROGRAM | | | |
| Cycle of elective general education disciplines of the faculty's master's program | | | |
| Code | Educational discipline | | |
| Elective component-1 | Methods of empirical and social research | | |
| | Modern information technologies for data visualization | | |
| | Global and national security | | |
| | Social and ethical marketing | | |
| | Motivational mechanisms and team leadership | | |
| | Behavioral finance | | |

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|------------------------|--|
| | Information security and data protection |
| Elective component - 2 | Information Systems and Technologies for Applied and Scientific Research |
| | Digital Finance |
| | Agricultural Policy (Ukrainian, English) |
| | Intellectual Property |
| | Budget Processes and Procurement |
| | Audit of Administrative Activities |

Cycle of elective professional training disciplines

| Code | Educational discipline |
|------------------------|---|
| Elective component - 3 | Relationship marketing |
| | Project management |
| | Global economics |
| | Communicative management |
| | Budget processes and procurement |
| | Assessment and accounting of complex property complexes |
| | Local business and entrepreneurship |
| Elective component - 4 | Social entrepreneurship |
| | local Development project development |
| | Preparation and support of grant projects |
| | Financial support for regional development |
| | Investment attractiveness of territories |
| Elective component - 5 | Marketing management |
| | Rural green tourism |
| | Organization of the cooperative movement in territorial communities |
| | Economics and organization of urban economy |
| | Management of municipal property |
| | Marketing management |

11. Form of certification of higher education graduates

Certification of graduates of the educational and professional program "Local Economic Development" in the specialty 051 "Economics" is carried out in the form of public defence of the qualification work and concludes with the issuance of a document of the established sample conferring the degree of Master in Local Economic Development.

The qualification work should involve solving a problem in the field of local economic development and the development of a socio-economic development project for a specific area.

There should be no academic plagiarism, falsification, or cheating in the qualification work.

The qualification work must be published in the repository of Sumy National Agrarian University. The publication of qualification works containing restricted access information should be done in accordance with the requirements of current legislation.

12. Explanatory Note

The higher education standard includes competencies that define the specificity of training for masters in the specialty 051 "Economics" and learning outcomes, which express what the student should know, understand, and be able to do after successfully completing the educational program. They are aligned with each other and correspond to the descriptors of the National Qualifications Framework. Table 1 shows the correspondence between the competencies defined by the Standard and the NQF descriptors. Table 2 demonstrates the correspondence between learning outcomes and competencies. Table 3 presents the correspondence of educational components to program competencies of the educational program. Table 4 illustrates the provision of program learning outcomes with the relevant components of the educational program.

Table 1

Matrix of correspondence of competencies defined by the Standard to the descriptors of the NQF (at level 7, master's).

| Classification of competencies according to the NQF (National Qualifications Framework) | Knowledge K1 Conceptual knowledge acquired through education and professional activities, including specific knowledge of contemporary advancements. K2 Critical comprehension of fundamental theories, principles, methods, and concepts in education and professional endeavors. | Skills S1 Solving complex and unpredictable problems in specialized areas of professional activity and/or education, involving data collection and interpretation, selection of methods, and the application of innovative approaches. | Communication C1 Conveying information, ideas, problems, solutions, and personal experience in the field of professional activity to both specialists and non-specialists. C2 The ability to effectively formulate a communication strategy. | Autonomy and Responsibility AR1 Managing complex actions or projects, taking responsibility for decision-making in unpredictable conditions. AR2 Responsibility for the professional development of individuals and/or groups. AR3 The ability to engage in further learning with a high level of autonomy. |
|---|--|--|--|--|
| General competencies | | | | |
| GC1 | K2 | | C2 | |
| GC2 | K1 | S1 | | |
| GC3 | | | C1 | AR3 |
| GC4 | | | C2 | |
| GC5 | K2 | S1 | | |
| GC6 | | | C1 | AR1 |
| GC7 | | | | AR2 |
| GC8 | | S1 | C1 | |
| GC9 | | S1 | C1 | |

| Specialized (professional) competencies | | | | |
|--|----|----|----|-----|
| SC1 | K2 | S1 | | |
| SC2 | | | C2 | |
| SC3 | | S1 | | |
| SC4 | K2 | | C2 | |
| SC5 | K1 | S1 | | |
| SC6 | | S1 | | |
| SC7 | | | C1 | AR1 |
| SC8 | | | | AR1 |
| SC9 | K1 | | | |
| SC10 | | S1 | | AR1 |
| Additionally for educational-professional programs: | | | | |
| SC11 | | | | AB1 |
| Additionally for the educational-professional program "Local Economic Development": | | | | |
| SC12 | K1 | | C1 | |
| SC13 | | | C1 | |
| SC14 | | S1 | | AR1 |
| SC15 | | S1 | | AR1 |

Table 2

Matrix of correspondence of the identified learning outcomes and competencies as determined by the Standard

| Program learning outcomes | Competences | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------------------------------|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| | Integrated competence | General competences | | | | | | | | | Special (professional) competences | | | | | | | | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 1. Formulate, analyze, and synthesize solutions to scientific and practical problems. | + | | + | | | | + | | | | + | | | + | + | | | + | | | | | | + | |
| 2. Develop, justify, and make effective decisions related to the development of socio-economic systems and the management of economic entities. | + | + | | + | + | | | + | | | | | + | | | + | | + | | | | | | + | + |
| 3. Communicate fluently in both native and foreign languages, orally and in writing, on professional and scientific topics. | + | | | | | | | | | | | | | | | + | | | | | | | | + | |

| Program learning outcomes | Competences | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------------------|---------------------|---|---|---|---|---|---|---|---|------------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| | Integrated competence | General competences | | | | | | | | | Special (professional) competences | | | | | | | | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 4. Develop socio-economic projects and a system of comprehensive actions for their implementation, taking into account their goals, expected socio-economic consequences, risks, legislative, resource, and other constraints. | + | | + | | | | | + | | | | | | | | | | | | | | | | | |
| 5. Adhere to the principles of academic integrity | + | | | | | | | | + | | | | | | | + | | | + | | | | | | |
| 6. Evaluate the results of one's own work, demonstrate leadership skills, and manage personnel effectively, working collaboratively in a team | + | + | | | | | | | | + | | | | | | | | | | | | | | | |
| 7. Choose effective methods for managing economic activities, justify proposed decisions based on relevant data, and scientific and applied research. | + | | | | | | | | | | | | | | | | | | | | | | | | |
| 8. Collect, process, and analyze empirical and statistical data, as well as scientific and analytical materials necessary for solving complex economic tasks. | + | | | | | | | | | | | | | | | | | | | | | | | | |

| Program learning outcomes | Competences | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-----------------------|---------------------|---|---|---|---|---|---|---|---|------------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| | Integrated competence | General competences | | | | | | | | | Special (professional) competences | | | | | | | | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 9. Make effective decisions under uncertain conditions and requirements that demand the application of new approaches, methods, and tools of socio-economic research. | + | + | + | | | | | | | + | + | | + | | | | | | + | | | | | | |
| 10. Apply modern information technologies and specialized software in socio-economic research and management of socio-economic systems. | + | | + | | | | | | | | | + | + | | | | | | | + | | | | | |
| 11. Determine and critically evaluate the state and trends of socio-economic development, as well as formulate and analyze models of economic systems and processes. | + | + | + | | | | + | + | | | | | | + | + | + | | | | + | | | | + | + |
| 12. Justify managerial decisions for the effective development of economic entities, taking into account goals, resources, constraints, and risks. | + | | | + | | + | | | | | | + | | + | | + | | | | + | | | | + | + |
| 13. Assess potential risks and socio-economic consequences of managerial decisions. | + | | | | | | | + | | | | | | + | | | + | | | + | | | | | |
| 14. Develop scenarios and strategies for the development of socio-economic systems. | + | | + | | | | | + | | | | | | + | + | | + | | | + | | | | + | + |
| 15. Organize the development and implementation of socio-economic projects, considering information, methodological, material, financial, and personnel support. | + | | | + | | | | + | | | | + | | + | | | | + | | + | | | | | |

| Program learning outcomes | Competences | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------------------|---------------------|---|---|---|---|---|---|---|---|------------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| | Integrated competence | General competences | | | | | | | | | Special (professional) competences | | | | | | | | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16. Create support for effective interaction with the public, state and non-state institutions, and businesses in the process of marketing and branding regions, cities, amalgamated territorial communities (ATCs), and other populated areas | + | + | + | | | | | | | | | | | | | | | | | | | | | | |
| 17. Facilitate interpersonal social interactions, possess social-psychological influence techniques for conflict resolution, optimization of social relations, establishing effective teamwork, and cooperation with the media | + | | | + | | | + | | | | + | | | | | | | | | | | | | | |
| 18. Identify all types of competitive advantages possessed by a territory and factors for promoting investments in territorial development; organize the interaction of local self-government bodies with investors and investment projects. | + | + | | | | | | + | | | | + | | + | | | | | | | | | | + | |
| 19. Evaluate the sustainability of territorial development based on relevant indicators and develop methodological tools for economically justifying optimal directions for socio-economic development. | + | + | + | | | | | + | | | | | | | | | | | | | | | | + | + |

Table 3

Matrix of correspondence of educational components to program competencies of the educational program

| No | Competency content | Basic Competencies of the Curriculum | | | | | | | | | | | |
|-----|---|---|--|--|-------------------------------|--|---|---|---|-----------------------------|---|--|--|
| | | MO1 Research methodology and adherence to academic integrity principles | MO2 Empirical methods of sociological research | MO3 Management psychology and social communications in territory development | MO4 Business foreign language | MO5 Fundamentals of local economic development | MO6 Project management for local and regional development | MO7 Marketing and branding of territories | MO8 Strategic planning and economic development forecasting for territories | MO9 Environmental economics | MO10 Applied information systems in territorial communities | MO11 Pre-graduation internship and professional training | MO12 Preparation of qualification work and certification of higher education graduates |
| GC1 | Ability to generate new ideas (creativity). | + | + | | | + | + | + | + | | | | |
| GC2 | Ability for abstract thinking, analysis, synthesis, and establishing connections between phenomena and processes. | + | + | | | | | | | + | | | |
| GC3 | Ability to motivate people and work towards a common goal, act socially responsibly and consciously. | | | + | | | | | | | | | |
| GC4 | Ability to communicate with representatives of other professional groups at different levels (with experts from other fields of knowledge). | | + | + | + | | | | | | | | |
| GC5 | Ability to work in a team. | | | + | | | + | | | | | | |
| GC6 | Ability to develop and manage projects. | | | | | | + | | | | | | |
| GC7 | Ability to act based on ethical considerations (motives). | | + | + | | | | | | | | | |
| GC8 | Ability to conduct research at an appropriate level. | + | + | | | | | | | | + | | + |
| GC9 | Ability to use information and communication technologies. | | | + | | | | | | | + | | + |

| No | Competency content | Basic Competencies of the Curriculum | | | | | | | | | | | |
|-----|---|---|--|--|-------------------------------|--|---|---|---|-----------------------------|---|--|--|
| | | MO1 Research methodology and adherence to academic integrity principles | MO2 Empirical methods of sociological research | MO3 Management psychology and social communications in territory development | MO4 Business foreign language | MO5 Fundamentals of local economic development | MO6 Project management for local and regional development | MO7 Marketing and branding of territories | MO8 Strategic planning and economic development forecasting for territories | MO9 Environmental economics | MO10 Applied information systems in territorial communities | MO11 Pre-graduation internship and professional training | MO12 Preparation of qualification work and certification of higher education graduates |
| SC1 | Ability to apply scientific, analytical, methodological tools for forming and justifying strategies of local economic development and related management decisions | + | + | | | | | | | | | | + |
| SC2 | Ability to conduct professional communication in a foreign language and prepare project (grant) applications in a foreign language. | | | | + | | | | | | | | |
| SC3 | Ability to collect, analyse, and process empirical and statistical data, scientific-analytical materials necessary for solving complex economic problems of settlements and territories, and make reasoned conclusions based on them. | + | + | | | | | | + | | | + | + |
| SC4 | Ability to use modern information technologies, methods, and techniques for researching economic and social processes, as well as economic-mathematical methods and models adequate to the established research needs. | + | + | | | | | | | | + | | |
| SC5 | Ability to identify key trends in socio-economic and human development | + | + | | | + | | | | + | | | |

| No | Competency content | Basic Competencies of the Curriculum | | | | | | | | | | |
|------|--|---|--|--|-------------------------------|--|---|---|---|-----------------------------|---|--|
| | | MO1 Research methodology and adherence to academic integrity principles | MO2 Empirical methods of sociological research | MO3 Management psychology and social communications in territory development | MO4 Business foreign language | MO5 Fundamentals of local economic development | MO6 Project management for local and regional development | MO7 Marketing and branding of territories | MO8 Strategic planning and economic development forecasting for territories | MO9 Environmental economics | MO10 Applied information systems in territorial communities | MO11 Pre-graduation internship and professional training |
| SC6 | Ability to formulate professional tasks in the field of economics and solve them by choosing appropriate directions and methods for their solution, taking into account available resources. | | | | | + | | + | | | | |
| SC7 | Ability to justify management decisions regarding the effective development of economic entities, identify negative and positive factors for the development of territorial business entities. | | | | | + | | + | + | | | |
| SC8 | Ability to assess possible risks and socio-economic consequences of management decisions. | | | | | | + | | | | | + |
| SC9 | Ability to apply a scientific approach to the formation and implementation of effective projects in the socio-economic sphere. | + | | | | | + | | | | | + |
| SC10 | Ability to develop scenarios and strategies for the development of socio-economic systems. | | | | | | + | | + | | | + |
| SC11 | Ability to plan and develop projects in the field of economics, provide its informational, methodological, material, financial, and personnel support | | | | | | + | | + | | | + |

| No | Competency content | Basic Competencies of the Curriculum | | | | | | | | | | |
|------|---|---|--|--|-------------------------------|--|---|---|---|-----------------------------|---|--|
| | | MO1 Research methodology and adherence to academic integrity principles | MO2 Empirical methods of sociological research | MO3 Management psychology and social communications in territory development | MO4 Business foreign language | MO5 Fundamentals of local economic development | MO6 Project management for local and regional development | MO7 Marketing and branding of territories | MO8 Strategic planning and economic development forecasting for territories | MO9 Environmental economics | MO10 Applied information systems in territorial communities | MO11 Pre-graduation internship and professional training |
| SC12 | Ability to create support for effective interaction with the public, government, and non-government institutions, and businesses in the process of marketing and branding of territories and other populated areas. | | | + | | | | + | | | | |
| SC13 | Ability to establish interpersonal social interactions, possess socio-psychological influence techniques in conflict resolution, optimization of social relationships, establishing effective teamwork, and collaborating with the media. | | | + | | | | + | | | | |
| SC14 | Ability to identify all types of competitive advantages possessed by the territory and factors for promoting investments in economic development of territories. | | | | | | | + | | + | | |
| SC15 | Ability to assess sustainable development of the territory based on relevant indicators and develop methodological tools for economic justification of optimal directions for socio-economic development | | | | | | | | | + | | |

Table 4

Matrix of ensuring program learning outcomes (PLO) with corresponding educational program components

| No | Competence content | Basic Competencies of the Curriculum | | | | | | | | | | | |
|-------|--|---|--|--|-------------------------------|--|---|---|---|-----------------------------|---|--|--|
| | | MO1 Research methodology and adherence to academic integrity principles | MO2 Empirical methods of sociological research | MO3 Management psychology and social communications in territory development | MO4 Business foreign language | MO5 Fundamentals of local economic development | MO6 Project management for local and regional development | MO7 Marketing and branding of territories | MO8 Strategic planning and economic development forecasting for territories | MO9 Environmental economics | MO10 Applied information systems in territorial communities | MO11 Pre-graduation internship and professional training | MO12 Preparation of qualification work and certification of higher education graduates |
| PLO 1 | Formulate, analyze, and synthesize solutions to scientific and practical problems | + | + | | | | | | | | | | + |
| PLO 2 | Develop, justify, and make effective decisions related to the development of socio-economic systems and the management of economic entities | + | | | | | + | | + | | | | + |
| PLO 3 | Communicate fluently in both native and foreign languages, orally and in writing, on professional and scientific topics | + | | | + | | | | | | | | |
| PLO 4 | Develop socio-economic projects and a system of comprehensive actions for their implementation, taking into account their goals, expected socio-economic consequences, risks, legislative, resource, and other constraints | | | | | | + | | + | + | | | + |

| No | Competence content | Basic Competencies of the Curriculum | | | | | | | | | | | |
|--------|--|---|--|--|-------------------------------|--|---|---|---|-----------------------------|---|--|--|
| | | MO1 Research methodology and adherence to academic integrity principles | MO2 Empirical methods of sociological research | MO3 Management psychology and social communications in territory development | MO4 Business foreign language | MO5 Fundamentals of local economic development | MO6 Project management for local and regional development | MO7 Marketing and branding of territories | MO8 Strategic planning and economic development forecasting for territories | MO9 Environmental economics | MO10 Applied information systems in territorial communities | MO11 Pre-graduation internship and professional training | MO12 Preparation of qualification work and certification of higher education graduates |
| PLO 5 | Adhere to the principles of academic integrity | + | | | | | | | | | | | + |
| PLO 6 | Evaluate the results of one's own work, demonstrate leadership skills, and manage personnel while working in a team. | | | + | | | + | | | | | | |
| PLO 7 | Choose effective methods for managing economic activities and substantiate proposed decisions based on relevant data and scientific and applied research | + | + | | | | | | + | | | | + |
| PLO 8 | Collect, process, and analyze empirical and statistical data, as well as scientific and analytical materials necessary for solving complex economic tasks | + | + | | | | | | | | | + | + |
| PLO 9 | Make effective decisions under uncertain conditions and requirements that necessitate the application of new approaches, methods, and tools of socio-economic research | + | | + | | | | | + | | | | + |
| PLO 10 | Apply modern information technologies and specialized software in socio-economic research and management of socio-economic systems | + | + | | | | | | | + | | | |

| No | Competence content | Basic Competencies of the Curriculum | | | | | | | | | | | | |
|--------|---|---|--|--|-------------------------------|--|---|---|---|-----------------------------|---|--|--|---|
| | | MO1 Research methodology and adherence to academic integrity principles | MO2 Empirical methods of sociological research | MO3 Management psychology and social communications in territory development | MO4 Business foreign language | MO5 Fundamentals of local economic development | MO6 Project management for local and regional development | MO7 Marketing and branding of territories | MO8 Strategic planning and economic development forecasting for territories | MO9 Environmental economics | MO10 Applied information systems in territorial communities | MO11 Pre-graduation internship and professional training | MO12 Preparation of qualification work and certification of higher education graduates | |
| PLO 11 | Identify and critically assess the state and trends of socio-economic development, formulate and analyze models of economic systems and processes | + | + | | | + | | | | + | + | | + | + |
| PLO 12 | Substantiate management decisions for the effective development of economic entities, taking into account goals, resources, constraints, and risks | | | | | + | + | | | | | | | + |
| PLO 13 | Evaluate possible risks and socio-economic consequences of management decisions | | | | | | + | | | | | | | + |
| PLO 14 | Develop scenarios and strategies for the development of socio-economic systems | + | | | | | | | | + | | | | + |
| PLO 15 | Organize the development and implementation of socio-economic projects, considering information, methodological, material, financial, and personnel support | | | | | | + | | | + | | + | + | + |

| No | Competence content | Basic Competencies of the Curriculum | | | | | | | | | | |
|--------|---|---|--|--|-------------------------------|--|---|---|---|-----------------------------|---|--|
| | | MO1 Research methodology and adherence to academic integrity principles | MO2 Empirical methods of sociological research | MO3 Management psychology and social communications in territory development | MO4 Business foreign language | MO5 Fundamentals of local economic development | MO6 Project management for local and regional development | MO7 Marketing and branding of territories | MO8 Strategic planning and economic development forecasting for territories | MO9 Environmental economics | MO10 Applied information systems in territorial communities | MO11 Pre-graduation internship and professional training |
| PLO 16 | Create support for effective interaction with the public, governmental and non-governmental institutions, and businesses in the process of marketing and branding of regions, cities, united territorial communities, and other populated areas | | | + | + | | | + | | | | |
| PLO 17 | Establish interpersonal social interactions, possess social-psychological influence techniques for conflict resolution, optimization of social relations, effective interaction within a team, and cooperation with the media | | | + | | | | | | | | |
| PLO 18 | Identify all types of competitive advantages possessed by a territory and factors for promoting investments in territorial development; organize interaction between local self-government bodies, investors, and investment projects | | | | | | | + | | | + | + |
| PLO 19 | Conduct an assessment of sustainable territory development based on relevant indicators and develop a methodological toolkit for the economic justification of optimal directions for socio-economic development | | | | | | | | + | | + | + |