

Educational program annotation

38.04.01_26 Digital economy and Business analytics

Program field:	38.04.01 Economics
Master's program	38.04.01_26 Digital economy and Business analytics
Qualification:	Master

1. List of structural units in the program

The master's program in the direction 38.04.01 Economics is implemented at the Institute of Industrial Management, Economics and Trade, graduating from the Graduate School of Industrial Economics.

Highly qualified teaching staff (candidates and doctors of science), including those from foreign universities, representatives of the professional community (employers, practitioners), who teach general education and profile disciplines of the curriculum and supervise the project and research work of students and practice.

The disciplines of the general scientific module are taught by the teachers of the Humanitarian Institute and foreign professors, the disciplines of the block The basic module of the direction is the faculty of the the Graduate School of Industrial Economics, The module of profile orientation is implemented by the teaching staff of the the Graduate School of Industrial Economics, as well as representatives of the employer within the block of disciplines "Digital technologies in economics ", teachers of the Higher School of Management and Business - the block of disciplines" Management system in the digital economy. " Management systems in the digital economy are taught by teachers of the Higher School of Management and Business.

2. Mission and goals of the educational program

The mission of the master's program is to provide high-quality, affordable, competitive at the world level education, transformed through the development of scientific and educational technologies for graduates of a new formation, capable of practical implementation of the knowledge gained in science, production, and entrepreneurial activity.

The mission of the program is in line with the tasks facing domestic enterprises and public authorities - the implementation of the national program "Digital Economy".

The purpose of specialized training of masters in the program "Digital Economy and Business Analytics" is the formation of the following competencies: generation, processing and analysis of big data, as well as automation and digitalization of managerial decision-making processes in enterprises and organizations of various fields of activity.

The uniqueness of the master's program "Digital Economy and Business Analytics" lies in the focus on the processes of digitalization and digital transformation of business currently taking place in Russia and the world, associated with the use of information and communication technologies.

1. The program prepares specialists in the following demanded professions: business analyst, financial analyst and data analyst. The training program is aimed at developing students' skills that correspond to trends in the labor market - a complex of soft skills (the ability to work in a team and be aware of their role, give reasoned opinions, the ability to solve problems and think critically) and hard skills (skills in data management and analysis, building and evaluating models, the ability to use various statistical packages, basic programming skills).

2. Involvement in the training process of leading specialists from various spheres and sectors of the economy, in order to transfer to masters practical experience in digitalization of economic processes and assessment of business efficiency.

3. Integration into the curriculum of disciplines as a basic module, focused on deepening knowledge in the field of economic theory, and a profile focus, focused on solving real cases and analytical problems on the examples of existing organizations implementing and using digital solutions in business.

4. A unique combination of specialized disciplines allows the masters to form a system of "hard", professional skills that allow them to: collect, process and analyze big data, including using modern software products and static research methods; modeling business processes and conducting financial modeling of organizations with a subsequent assessment of its effectiveness; analysis of the current state of business digitalization and the development of management decisions based on the results obtained.

5. Use of modern software products in the course of training, including the Qlikview software product, which allows you to receive and compare big data from any sources (databases similar to SQL Server or Oracle, as well as Excel, XML or text files), ArchiMate modeling - a tool for modeling enterprise architecture and analyzing business processes of companies, including those focused on digitalization, Microsoft Project - a software product for managing complex, multi-stage projects; software product Stata and Excel, allowing the use of statistical research methods in the analysis of big data. Obtaining basic programming knowledge for data processing in the Python programming language.

6. Combining both classical approaches and teaching methods (lectures and practical classes) and new, active methods, case sessions, scientific and practical conferences with the opportunity to meet and exchange experience with representatives of other Universities, including foreign ones, and specialists from the real sector of the economy.

3. Requirements

Persons who have a higher education of any level, the presence of which is confirmed by a document of the established sample, are allowed to master the main educational program. Admission to the training is carried out for the first year. The procedure and conditions of admission are regulated by the Rules of Admission to the Federal state autonomous educational institution of higher Education "Peter the Great St. Petersburg Polytechnic University", which are approved for each year of admission.

4. Areas of professional activity and (or) areas of professional activity in which graduates who have mastered the educational program can carry out professional activities:

08 Finance and Economics (in the field of statistical activities, providing remote banking services to legal entities and individuals);

- in the field of research, analysis and forecasting of socio-economic processes and phenomena at the micro-and macro-level in expert and analytical services (centers for economic analysis, the government sector, public organizations);

- in the field of production of products and services, including analysis of demand for products and services and assessment of their current and future supply, promotion of products and services to the market, planning and servicing of financial flows related to production activities;

- in the areas of lending, insurance, including pension and social security, operations in the financial markets;

- in the areas of internal and external financial control, and audit, financial consulting, and risk management;

- in the field of consulting.

Graduates can carry out professional activities in other fields and (or) areas of professional activity, provided that the level of their education and the acquired competencies meet the requirements for the qualification of the employee.

5. Type (types) of tasks of professional activity, for the solution of which the graduate should be ready:

- research;
- organizational and managerial;
- project-economic;
- analytical.

6. Professional standards, in accordance with which OPOP VO is developed:

No	Associated professional standard or other grounds for the inclusion of professional competencies in the educational program (name and details of documents)	Selected generalized labor function	Labor function, the preparation of the implementation of which is directed by professional competence
1.	08.022 Professional standard "Statistics" approved by order of the Ministry of Labor and Social Protection of the Russian	C7. Scientific and methodological activity in statistics	C / 01.7 Activities for the development and improvement of applied statistical methodologies

	Federation on September 8, 2015 N 605n (registered by the Ministry of Justice of the Russian Federation on October 2, 2015, registration number 39121)		C / 02.7 Development and improvement of applied statistical methodologies
			C / 03.7 Preparation of analytical reports, as well as reviews, reports, recommendations, draft normative documents based on statistical calculations.
			C / 04.7 Consultancy statistical activities
2.	08.033 Professional standard "Remote banking specialist" approved by order of the Ministry of Labor and Social Protection of the Russian Federation dated April 19, 2017 No. 366n (registered by the Ministry of Justice of the Russian Federation on May 11, 2017, registration No. 46685)	C7. Development of a strategy for the development of remote banking services	B / 01.7 Identification of promising directions for the development of remote banking services
			B / 02.7 Development of a strategic development plan for remote banking services

7. Structure and content of MEP

The educational program is implemented through a system of disciplinary modules and a module of state final certification.

The Master's program consists of the following types of modules:

General scientific module (Fundamentals), within which the development of universal, general professional, as well as mandatory professional competencies takes place. The general scientific module includes compulsory disciplines: History and methodology of science; Foreign language in professional activities; Scientific discourse.

Professional modules (Professional), within the framework of which the development of universal, general professional, as well as professional competencies takes place, which include:

a) basic module of the direction - a set of disciplines (modules) that form knowledge, skills and abilities in the direction of training.

b) a module of a profile orientation, which determines the orientation of training.

Mobility module is an educational cycle within the framework of an educational program, which represents an additional educational trajectory for students in addition to training in the main educational direction.

The module of project activity (Project) is an independent activity of students, focused on solving a certain practically or theoretically significant problem, implemented in the framework of disciplines, practices, research work.

The module "State final certification" includes: the defense of the final qualifying work and the state exam (s) (if any).

Optional disciplines aimed at the socio-cultural development of students.

The learning outcomes by disciplines (modules) are correlated with indicators of achievement of competencies and ensure the gradual formation of the competencies of the graduate of MPEP HE.

Structure and scope of the educational program

The structure of MPEP HE	Volume MPEP HE (w .)
BLOCK 1 "Disciplines (modules)"	63
BLOCK 2 "Practice"	51
BLOCK 3 " State final certification"	6
Total	120
BLOCK 4 " Elective Courses "	4

7.1. Competence- based curriculum and curriculum

The competence- based curriculum includes two interrelated components: competency- forming and disciplinary-modular. The competence- forming part of the curriculum connects all the mandatory competencies of the graduate with the sequence of studying all academic disciplines, practices, etc. The disciplinary-modular part of the curriculum reflects the logical sequence of mastering the elements of MEP that ensure the formation of competencies.

The curriculum defines a list, labor intensity (in credit units and academic hours), sequence and semester distribution of disciplines (modules), practices, forms of intermediate certification of students, state final certification, the volume of contact work of students with a teacher (by type of training) is highlighted and independent work of students.

The educational calendar indicates the periods of the types of educational activities and the periods of vacations.

7.2. Work programs of disciplines (modules), practice programs

The working program of discipline (module) is developed according to educational policy of the university, educational standard established by SPbPU independently (SIES) in the program field 38.04.01 Economics and requirements of professional standards and employers.

7.3. Practice programs

Practices are a mandatory section of MEP and are a type of training sessions directly focused on the professional and practical training of students. Practices consolidate the knowledge and skills acquired by students as a result of mastering theoretical courses in special disciplines, develop practical skills and contribute to the integrated formation of general cultural and professional competencies of students.

In the MP "Digital Economy and Business Analytics" the following types and types of practices are established:

educational practice:

- practice to acquire primary professional skills.

production practice:

- research work
- pre-graduate practice

7.4. Funds of assessment tools for the current and intermediate certification of students in the discipline (module), practice

The fund of assessment tools for conducting the current and intermediate certification of students in the discipline (module), practice is included in the work program of the discipline (module) and the practice program, respectively, and is drawn up in the form of attachments to the programs.

7.5. Organization of research work of students

Research work is carried out by a master student under the guidance of a scientific advisor. The direction of scientific research work is determined in accordance with the topic of the master's thesis. The purpose of the research work is to integrate the educational process with the development of the professional sphere of activity in the areas of training masters to ensure the formation of students' research competencies necessary for conducting research and solving professional problems. The documents regulating the organization of students' research work are developed and executed in accordance with the Educational Policy of the University, the SIES in the direction 38.04.01 Economics and the requirements of professional standards.

Master's research work includes:

- Research work on assessing business performance
- Research work on project management
- Research paper on applied statistics
- Research work on the topic of master's qualification work
- Research work on information technology planning and accounting

Methodical recommendations for students are presented in the educational-methodical manual "Practice of masters in the direction of Economics".

7.6. Fund of assessment tools for state final certification

The fund of assessment means for the state final certification is developed for the implementation and protection of the final qualifying work. In the course of state final certification, the degree of compliance of the formed competencies of graduates with the requirements of this educational standard and the implemented educational program is assessed.

The fund of assessment means includes: the program of state final certification, including requirements for final qualifying works and the procedure for their implementation, criteria for assessing the results of defense of final qualifying works.

8. Places of practice and employment

Students can undergo practical training at LLC "EVS", PC "UK", LLC "Trading House" Food Technologies ", LLC" Service ", LLC" Alliance-Audit ", LLC" Omega "and others.

There are a number of long-term internship agreements between SPbPU and the Investment Committee, the Foreign Transport Agency, JSC Technopark of St. Petersburg, the St. Petersburg branch of Gazprom Proektirovanie and others.

Applications for graduates are received from enterprises of the city and the region: LLC "Sportego", Agency for External Transport.

9. Material and technical base for educational and scientific activities

To implement the training of masters in the direction of 38.04.01 Economics, IPMEiT has:

- auditoriums for lectures, practical classes;
- research laboratories, including Polytech-Invest, the book value of the equipment is about 1 million rubles.
- classrooms for independent work of students.

The material and technical base of the educational program of the master's degree ensures the conduct of all types of classes, disciplinary and interdisciplinary training, practical and research work of students, provided for by the curriculum and corresponding to the current sanitary and fire safety rules and regulations.

Today, student education and research is conducted using Microsoft Office software; 1C; StataCorp; SAP; MATLAB; AltFinance; Alt-Invest Summ. The set of laboratory software allows solving the most modern tasks in the field of evaluating the effectiveness of investment projects, including digitalization. Within the laboratory, a computer program "Poly-tech-invest" has been developed. In the laboratory, it is possible to simulate socio-economic processes, perform mathematical calculations in the field of risk assessment and financial modeling.

10. Competitive advantages of graduates and possible places of employment

The training of undergraduates is carried out on the basis of the Gradual School of Industrial Economics. Classes for undergraduates are

conducted by leading experts from the real sector: ROBOTEX LLC, Promsvyazbank PJSC. In addition, introductory lectures, cases and workshops are conducted by invited experts from VimpelCom, SUPERTEL LLC. Graduates of this program will be able not only to gain practical knowledge, but also to determine their future place of work. Part-time employment is possible already during the training period, including in the structural units of the Gradual School of Industrial Economics.

11. The international cooperation

The main international partner is Tallinn University of Technology (TUT), Estonia, the second largest educational institution in Estonia. Within the framework of the concluded agreement, the course "Innovation and Entrepreneurship" is conducted on the basis of TUT, during which students carry out a research project, which can become the basis of their master's thesis.

Within the framework of the agreement with the Brandenburg University of Technology Cottbus-Senftenberg, (BTU), Germany), academic mobility and exchange of students and staff are carried out under the Erasmus + program. Students get the opportunity to undergo free training for 6 months at BTU with a scholarship, and teachers – to improve their qualifications, for the university this is an opportunity to develop interuniversity cooperation.

Foreign teachers from leading foreign universities, included in the TOP-500 world rankings, are regularly invited to conduct training courses. Foreign teachers with unique scientific and practical professional experience are involved in the classes. Classes are held in English in person and remotely using MS Teams and Zoom programs. So, among the foreign teachers involved in teaching students under the program 38.04.01_26 "Digital Economy and Business Analytics":

- Charles Nolan, professor at the University of Glasgow, Great Britain, Scotland, (77th place in QS), course "Macroeconomics (advanced level)";
- Valentina Lagasio, Associate Professor, University of Rome Sapienza, Italy (203rd place in QS), course "Digital banking technologies";
- Peeter Muyursepp, Associate Professor, Tallinn University of Technology, Estonia (651st place in QS), course "Research Methodology";
- Magdalena Misler-Behr, professor at Brandenburg University of Technology Cottbus-Senftenberg, Germany, classes on "Innovation Management".

Students of the program "Digital Economy and Business Analytics" regularly participate in international academic mobility within the framework of contracts concluded with partner universities. The duration of such an exchange is six months. Education at the partner university is free of charge. Upon successful completion of the competition "Erasmus +" and "First +" – with payment of a scholarship. Based on the results of training at the partner university, students are issued a transfer of the passed disciplines.

12. Main scientific directions and schools

The teachers involved in the implementation of the educational program are engaged in research activities in the framework of the following research projects:

No. 20-78-10123, Development of a digital environment for a model of the regional innovation system of the Russian Federation as a driver of sustainable development, supported by the Russian Science Foundation in the period from 2020 to 2023 in the amount of 14,970,000 rubles.

№: 18-310-20012, Methodology for assessing the level of development of the digital environment and key RIS institutions, supported by the Russian Foundation for Basic Research in the period from 2019 to 2020 in the amount of 4,260,000 rubles.

13. The most significant results and achievements

The following significant results and achievements were developed by the teaching staff of the educational program as a result of research and design work:

A methodology for improving educational programs of higher education was developed and tested on the basis of analysis and identification of the structure of profession skills using machine learning methods and analysis of social networks.

A technique for econometric modeling of spatial panel data for the case of regional industry specialization has been developed and tested. A program for econometric modeling of regional industry specialization has been developed.

A methodology for the analysis and identification of clusters in the regional economy has been developed and tested.

A software package for modeling investment projects "Polytech - invest" has been developed.

A methodology for analyzing the effectiveness of regional innovation systems has been developed.

The results obtained are used in the educational process.

**Annotations of educational program elements 38.04.01_26 «Digital economy and Business analytics»
(subjects, practice and State Final Examination)**

Foreign Language In Professional Activity				
<i>Objectives</i>	The objectives of studying are: 1. Achieving practical knowledge of a foreign language that allows students to use it in their future professional activities and scientific work, as well as in everyday communication. 2. Creating a base for the correct understanding, translation and processing of foreign language texts. 3. Development of communicative academic competence that allows students to present scientific works (articles, abstracts, reports, etc.) in the academic environment.			
<i>Content</i>	1. The modern system of higher education in Russia. The structure of higher education in modern Russia. The concept of a scientific grant. 2. Universities as research centers. My university. MIT University. 3. History of Science and Engineering. Science and engineering in the modern world. History of the formation and development of science. 4. Reading, translating and discussing the text in the specialty. 5. My research interests. My career and future work. Grants. 6. Presentations of the grant project. 7. Research, discoveries and innovations in Russia. Scientific achievements and innovations in modern Russia. 8. Research, discovery and innovation in the countries of the language being studied. Scientific achievements and innovations in the United States and the United Kingdom. 9. Outstanding scientific events in the modern world. 10. International programs to support students and young scientists. 11. Science and global problems of our time. Science and the future of the world. Scientific ethics. 12. Reading, translating and discussing the text in the specialty, testing, and talking about the topics covered.			
<i>Teaching and learning methods</i>	Lecture	Practical training	Indep. study	Exam
	-	48	60	36
<i>ECTS Credits</i>	4 credits/144 hours			
<i>Assessment</i>	Examination (score-rating system based on the results of individual tasks)			
History And Methodology Of Science				
<i>Objectives</i>	The objectives of studying are: 1. Formation of students ' methodological and scientific culture, system of knowledge, skills and abilities in the field of organizing and conducting scientific research; 2. Obtaining knowledge of the basics of methodology, methods and concepts of scientific research; 3. Formation of practical skills and skills of applying scientific methods;			

	4. Education of moral qualities, instilling ethical standards in the process of scientific research.			
<i>Content</i>	<ol style="list-style-type: none"> 1. The emergence of science. General aspects 2. Scientific knowledge in the Middle Ages and the Renaissance 3. Arab scientific heritage 4. Classical science of the XVIII-XIX centuries. 5. The concept of scientific research 6. Methods of theoretical and empirical research 7. The concept of the system methodology 8. Communications and their specifics in modern science 			
<i>Teaching and learning methods</i>	Lecture	Practical training	Indep. study	Exam
	-	16	83	9
<i>ECTS Credits</i>	3 credits/108 hours			
<i>Assessment</i>	Pass/Fail assessment (score-rating system based on the results of individual tasks and final test)			
Scientific Discourse				
<i>Objectives</i>	<p>The objectives of studying are:</p> <ol style="list-style-type: none"> 1. Study of modern communication technologies for academic and professional interaction also in a foreign language 2. Study of methods of generalization and critical evaluation of scientific research in economics 3. Obtaining practical skills to substantiate the relevance, theoretical and practical significance of the chosen topic of scientific research 4. Getting practical skills to conduct independent research in accordance with the developed program 			
<i>Content</i>	<ol style="list-style-type: none"> 1. Introduction to the theory of scientific discourse 2. Qualification work as a form of presentation of scientific results 3. Research work as a form of presentation of scientific results 4. Review, opposition and discussion of scientific work 			
<i>Teaching and learning methods</i>	Lecture	Practical training	Indep. study	Exam
	-	16	56	36
<i>ECTS Credits</i>	3 credits/108 hours			
<i>Assessment</i>	Examination (based on the results of the defense of the research plan implemented by the student in the framework of the master's thesis)			
Econometrics (Advanced Level)				
<i>Objectives</i>	<p>The objectives of studying are:</p> <ol style="list-style-type: none"> 1. To study modern approaches and methods of econometric research 2. Make a selection of tools, conduct a thorough testing of the statistical adequacy of the resulting models 			

	3. Learn to interpret the economic essence of the obtained research results 4. Learn how to collect and analyze economic data when performing research during the preparation of a master's thesis			
<i>Content</i>	1. Fundamentals of econometrics and economic data. Simple regression analysis. OLS modeling 2. Sample distributions. Multiple regression: properties of estimators, CLMR, specification of models. 3. Non-compliance with the provisions of the Gauss-Markov theorem: multicollinearity, incorrect choice of variables, non-linearity, non-constant parameters, non-zero mathematical expectation of the perturbation 4. Non-compliance with the provisions of the Gauss-Markov theorem: non-spherical perturbations (heteroskedasticity and autocorrelation) 5. Non-compliance with the provisions of the Gauss-Markov theorem: endogeneity, the method of instrumental variables, systems of regression equations 6. Dummy variables. Time series analysis models. 7. Panel data analysis models. 8. Regression analysis with qualitative dependent variables (logit and probit models). Models with limited dependent variables (tobit model)			
<i>Teaching and learning methods</i>	Lecture	Practical training	Indep. study	Exam
	16	32	18	42
<i>ECTS Credits</i>	3 credits/108 hours			
<i>Assessment</i>	Examination (score-rating system based on the results of testing and interviews on the theoretical material of the subject) Course paper			
Microeconomics (Advanced Level)				
<i>Objectives</i>	The objectives of studying are: 1. Apply the knowledge of fundamental economic science in solving practical and / or research problems (at an advanced level) 2. Reasonably apply in-depth knowledge in the field of microeconomic analysis in the study of socio-economic processes and phenomena at the micro level			
<i>Content</i>	1. Theory of consumer behavior and market demand 1.1. Consumer choice and demand in conditions of certainty 1.2. Consumer choice and demand under conditions of risk and uncertainty 1.3. The theory of identified preferences and demand 1.4. The consumer as a subject of supply in the market of factors of production 2. Modeling the behavior of firms in imperfect markets 2.1. Theory of the firm: production and technology 2.2. Monopoly and market power 2.3. Market structure: strategic behavior of firms			

	2.4. Information asymmetry in the markets of goods and services 2.5. Information asymmetry in the labor market 2.6. Information interaction in markets with asymmetric information 2.7. Market failure: Externalities and public goods 2.8. Economic mechanisms			
<i>Teaching and learning methods</i>	Lecture	Practical training	Indep. study	Exam
	-	32	22	18
<i>ECTS Credits</i>	2 credits/72 hours			
<i>Assessment</i>	Graded assessment (score-rating system based on the results of individual tasks and final test)			
Macroeconomics (Advanced Level)				
<i>Objectives</i>	The objectives of studying are: 1. Formation of knowledge about the functioning of the economy at the macro level, focused on modeling dynamic development, taking into account the latest achievements of macroeconomic theory. 2. Expand the scope of application of basic knowledge of macroeconomic theory. 3. Provide an in-depth understanding of the methodology for the comprehensive analysis of national economic problems. 4. Study of theoretical and practical problems of the functioning of the economy. 5. Consideration of the theoretical and practical aspects of the distribution of national income as one of the factors of welfare growth.			
<i>Content</i>	1. Development of the macroeconomic theory taking into account changes in production and social relations. 2. Macroeconomic equilibrium in an open economy. 2.1. Modeling of the equilibrium state in the market of goods and the market of money. The IS-LM model. 2.2. Long-term equilibrium and the theory of economic growth. 2.3. Control of knowledge on the topic "Macroeconomic equilibrium in an open economy". 3. Modeling of macroeconomic dynamics. 3.1. The genesis of the theory of conjunctural fluctuations. The theory of long cycles. 3.2. Modeling of industrial cycles. 3.3. Control of knowledge on the topic "Modeling of macroeconomic dynamics". 4. Macroeconomic policy in an open economy. 4.1. Monetary, fiscal and monetary policy of states in an open economy. 4.2. The social model of society and the theory of well-being. 4.3. Control of knowledge on the topic "Macroeconomic policy in an open economy"			
<i>Teaching and learning methods</i>	Lecture	Practical training	Indep. study	Exam
	16	32	33	27

<i>ECTS Credits</i>	3 credits/108 hours			
<i>Assessment</i>	Examination(score-rating system based on the results of individual calculation work and final test)			
Institutional Economics				
<i>Objectives</i>	<p>The objectives of studying are:</p> <ol style="list-style-type: none"> 1. Obtaining knowledge in the field of institutional economics. 2. Study of the concepts of modern institutional analysis, which allows students to independently analyze complex problems of socio-economic development of society and the state, to predict problem situations at different levels of behavior of economic entities in a market economy. 			
<i>Content</i>	<ol style="list-style-type: none"> 1. Historical and behavioral prerequisites for the emergence of institutionalism 2. Institutions, institutional environment and institutional arrangements 3. Transactions and transaction costs. Coase's theorem. 4. Transaction costs of specification and protection of property rights 5. Transaction costs of contractual relations. 6. Institutional foundations of the theory of the firm 7. The institutional aspect of the theory of the state. 			
<i>Teaching and learning methods</i>	Lecture	Practical training	Indep. study	Exam
	16	32	51	45
<i>ECTS Credits</i>	4 credits/144 hours			
<i>Assessment</i>	Examination (interview on the theoretical material of the subject)			
Managerial Economics				
<i>Objectives</i>	<p>The objectives of studying are:</p> <ol style="list-style-type: none"> 1. Formation of future masters ' ideas about the patterns of development of modern production and economic processes and the general principles of behavior of economic entities in market conditions. 2. Study of approaches and methods used for the objective assessment of the activities of economic entities for making management decisions 3. Formation of theoretical knowledge and practical skills to justify decisions on the implementation of the financial and investment policy of the enterprise and production management, 4. Gain skills in using economic theory and its analytical tools to solve practical problems and make optimal use of limited resources. 			
<i>Content</i>	<ol style="list-style-type: none"> 1. Introduction to managerial economics <ol style="list-style-type: none"> 1.1. The concept of " managerial economics" 1.2. The theory of the firm 2. Demand estimation and forecasting <ol style="list-style-type: none"> 2.1. Industry demand and its factors 2.2. Assessment and forecasting of demand for the products of a particular company 			

	2.3. Control of the first part of the individual task. 3. Theory of production and costs 3.1. Theory of production 3.2. The theory of cost 3.3. Market structure and behavioral patterns 3.4. Control of the execution of the 2nd and 3rd parts of the individual task. 4. The impact of external conditions on decision-making 4.1. Macroeconomic factors of influence. 4.2. Development of solutions in conditions of risk and uncertainty.			
<i>Teaching and learning methods</i>	Lecture	Practical training	Indep. study	Exam
	16	32	51	45
<i>ECTS Credits</i>	4 credits/144 hours			
<i>Assessment</i>	Examination (score-rating system based on the results of an individual task and the final test)			
Public Sector Economics				
<i>Objectives</i>	The objectives of studying are: 1. Study of the institutional foundations of the activities of the state authorities for the formation and implementation of public goods. 2. Consideration of the conditions and principles of the formation of public finances as an instrument of socio-economic development of society. 3. Study of the main directions of the organization of non-commercial activities			
<i>Content</i>	1. Public goods. M. Olson's theory of collective actions 2. The activity of the state in the formation of the economy of the public sector 3. Budget federalism as the basis for the management and regulation of the processes of socio-economic development of the federal state. Institutional foundations of fiscal federalism. 4. Interaction of business and the state in solving the tasks of developing the economy of the public sector. The impact of corporate business structures on the socio-economic development of society			
<i>Teaching and learning methods</i>	Lecture	Practical training	Indep. study	Exam
	16	32	51	45
<i>ECTS Credits</i>	4 credits/144 hours			
<i>Assessment</i>	Examination (interview on the theoretical material of the subject)			
Economics Of Innovation				
<i>Objectives</i>	The objective of studying is: 1. Study and analysis of the reasons for the emergence, essence, logical structure, fundamentals of methods for creating and evaluating innovations in the field of transformation of organizations and financing tools.			

<i>Content</i>	<ol style="list-style-type: none"> 1. Fundamentals of innovation theory 2. National Innovation Systems (NIS) 3. Innovations and innovative business, planning of innovative processes <ol style="list-style-type: none"> 3.1. Innovations and innovative business 3.2. Planning of innovation processes 4. Economic analysis of innovative projects and programs 5. The system of financing innovation activities, organizational forms of innovation activities <ol style="list-style-type: none"> 5.1. The system of financing of innovative activity 5.2. Organizational forms of innovation activity 6. Pricing and costs in innovative business 7. The integrated system of management of innovation risks 			
<i>Teaching and learning methods</i>	Lecture	Practical training	Indep. study	Exam
	16	32	63	33
<i>ECTS Credits</i>	4 credits/144 hours			
<i>Assessment</i>	Examination (score-rating system based on the results of the final test), Course paper			
Digital Economy				
<i>Objectives</i>	<p>The objectives of studying are:</p> <ol style="list-style-type: none"> 1. Study of the basic concepts, features, technologies, and regulatory framework of the digital economy of Russia. 2. Study the methods, approaches, and technology of forming complex target programs for the development of complex economic systems. 3. Getting practical skills in performing practical calculations to assess the indicators of digitalization of the economy. 			
<i>Content</i>	<ol style="list-style-type: none"> 1. State Science and Technology Policy and Digital Economy <ol style="list-style-type: none"> 1.1. State Scientific and Technical Development Policy of the Russian Federation 1.2. Digital economy: Concept, essence and features 1.3. Problems and risks in the development of the digital economy 1.4. Regulatory and legal regulation of the formation of the digital economy 2. Trends in the development of the digital economy in Russia and abroad <ol style="list-style-type: none"> 2.1. Global competitiveness and trends in the digital economy 2.2. Factors determining the development of the digital economy in Russia and abroad 3. Long waves and technological structures in the economy <ol style="list-style-type: none"> 3.1. Innovations and long waves Kondratieva N. D. 3.2. Technological structures and their characteristics 4. Industrial revolutions in the economy <ol style="list-style-type: none"> 4.1. The origin and development of industrial revolutions in the economy 			

	4.2. Characteristics of industrial revolutions 5. The life cycle of economic systems 5.1. Product and product life cycle 5.2. Characteristics of the stages and stages of the life cycle 6. Digitalization of industry and Industry 6.1. The concept of Industry 4.0 and its technologies 6.2. Types of digital enterprises 6.3. Digital platforms in the economy and industry 6.4. Digital Economy and Industry Technologies 6.5. Features and characteristics of digital enterprises 7. Digitalization of the public sector and services 7.1. The concept of the Cyber State and its features 7.2. Digitalization of the service sector 8. Program and target management of digital economy development 8.1. The essence and methodology of program-target management 8.2. The program "Digital Economy of the Russian Federation": purpose, objectives, structure 8.3. Management system development of the digital economy in the Russian Federation 8.4. Directions, levels and indicators of the Digital Economy program 8.5. Procedure for creating the Digital Economy Roadmap 9. Assessment of the level of digitalization of the economy and the enterprise 9.1. Innovative potential of the enterprise 9.2. Assessment of the level of digitalization of the economy and the enterprise 9.3. Determination of the level of innovative potential of the enterprise 9.4. Calculation of the digitalization index of the economy and enterprise			
<i>Teaching and learning methods</i>	Lecture	Practical training	Indep. study	Exam
	32	32	188	36
<i>ECTS Credits</i>	8 credits/288 hours			
<i>Assessment</i>	Examination (interview on the theoretical material of the subject)			
Digital Technologies Of Financial Markets				
<i>Objectives</i>	The objective of studying is: 1. Study of digital technologies of financial markets that industrialize processes, reduce costs and ensure compliance with regulatory requirements			
<i>Content</i>	1. Financial and technological digital platforms 2. Cryptocurrencies			

	3. Digital innovations in the banking sector 4. Digital marketing services of financial markets			
<i>Teaching and learning methods</i>	Lecture	Practical training	Indep. study	Exam
	8	16	15	33
<i>ECTS Credits</i>	2 credits/72 hours			
<i>Assessment</i>	Examination (score-rating system based on the results of the final test), Course paper			
Digital Banking Technologies				
<i>Objectives</i>	The objectives of studying are: 1. Study of modern theoretical and applied knowledge in the field of management of banking facilities. 2. Formation of technologies for solving financial problems focused on customer satisfaction. 3. Development of the bank's business on the basis of advanced digital technologies.			
<i>Content</i>	1. Theoretical foundations and conceptual framework of digital banking 2. Stages of development of banking innovations. Transformation of the banking system paradigm. Electronic banking environment, Internet banking 3. Digital Banking models 4. Factors of implementation of the digital banking project 5. Digital banking technologies 6. Applied aspects of digital banking			
<i>Teaching and learning methods</i>	Lecture	Practical training	Indep. study	Exam
	16	8	13	35
<i>ECTS Credits</i>	2 credits/72 hours			
<i>Assessment</i>	Examination (interview on the theoretical material of the subject), Course project			
Digital Taxation Technologies				
<i>Objectives</i>	The objective of studying is: 1. Obtaining knowledge, skills and abilities to develop and improve applied methods and methods of tax management at the level of economic entities in the digital economy			
<i>Content</i>	1. The necessary components of the formation of electronic (digital) taxation: global and domestic trends 2. Theoretical and methodological foundations of electronic (digital) taxation 3. Some innovations in the taxation of the digital nature 4. Training of financial and tax personnel for the digital economy 5. Prospects for the development of electronic (digital) taxation			
<i>Teaching and learning methods</i>	Lecture	Practical training	Indep. study	Exam
	16	16	31	9

<i>ECTS Credits</i>	2 credits/72 hours			
<i>Assessment</i>	Pass/Fail assessment (score-rating system based on the results of individual tasks)			
Enterprise Architecture				
<i>Objectives</i>	<p>The objectives of studying are:</p> <ol style="list-style-type: none"> 1. Study of the theoretical foundations of modeling and analysis of an enterprise as a complex system of interrelated and interdependent objects, including organizational units, business processes, software and hardware. 2. Providing a comprehensive view of future specialists of the industry tasks in the field of development, implementation and adaptation of modern information technologies. 			
<i>Content</i>	<ol style="list-style-type: none"> 1. Basic concepts of Enterprise Architecture 2. Modeling the business layer of the architecture 3. Modeling of the application layer and the technological layer, development of requirements for IT services 3. Building a transition plan for the target architecture 			
<i>Teaching and learning methods</i>	Lecture	Practical training	Indep. study	Exam
	32	32	80	36
<i>ECTS Credits</i>	5 credits/180 hours			
<i>Assessment</i>	Examination (score-rating system based on the results of an individual task and the final test)			
Project Management				
<i>Objectives</i>	<p>The objectives of studying are:</p> <ol style="list-style-type: none"> 1. Studying of theoretical and practical aspects in the field of project management 2. Studying of the project management process, which consists of setting goals, clarifying requirements, planning, organizing, executing, completing 3. Studying of project implementation techniques in conditions of uncertainty and risks 			
<i>Content</i>	<ol style="list-style-type: none"> 1. Introduction to the Project Management course 2. Development of the initial documentation for the project 3. Structural decomposition of the project works 4. Allocation of project resources. 5. Risks of the project. 6. Monitoring the progress of the project. 7. Completion of the project. Quality issues of project management 			
<i>Teaching and learning methods</i>	Lecture	Practical training	Indep. study	Exam
	32	-	31	9
<i>ECTS Credits</i>	2 credits/72 hours			
<i>Assessment</i>	Pass/Fail assessment (score-rating system based on the results of an individual task and the final test)			
Presentation of Research Results				

<i>Objectives</i>	The objective of studying is: 1. Training of undergraduates in the correct writing, design and presentation of the results of various types of scientific research in accordance with the requirements of the relevant GOST, regulations of the university, institute and higher school.			
<i>Content</i>	1. Types, structure, methods of design and presentation of the results of scientific research. 1.1. Forms of presentation of scientific results. 1.2. Basics of the design and presentation of the results of scientific research. 2. Design and presentation of the final qualification work. 2.1. Design the final qualification work. 2.2 Presentation of the final qualification work.			
<i>Teaching and learning methods</i>	Lecture	Practical training	Indep. study	Exam
	2	16	45	9
<i>ECTS Credits</i>	2 credits/72 hours			
<i>Assessment</i>	Pass/Fail assessment (score-rating system)			
Data Warehouses And Business Intelligence				
<i>Objectives</i>	The objectives of studying are: 1. Developing an understanding of modern concepts in the field of data warehouse management to improve business efficiency. 2. Formation of skills to apply existing methods of data warehouse design and their subsequent processing. 3. Formation of an understanding of the specifics of data warehouse management for various types of enterprise activities.			
<i>Content</i>	1. Introduction to data warehouses. 2. Architecture of corporate data warehouses. 3. Logical design of data warehouses. 4. The method of multidimensional modeling 5. Physical modeling of data warehouses. 6. Design and development of the data extraction, transformation, and loading process. 7. SQL in data stores. 8. Methods of multidimensional data analysis			
<i>Teaching and learning methods</i>	Lecture	Practical training	Indep. study	Exam
	32	32	72	44
<i>ECTS Credits</i>	5 credits/180 hours			
<i>Assessment</i>	Examination (score-rating system based on the results of the final test), Course project			

Business Analysis Technologies				
<i>Objectives</i>	The objectives of studying are: <ol style="list-style-type: none"> 1. Developing an understanding of modern concepts in the field of data warehouse management to improve business efficiency. 2. Formation of skills to apply existing methods of data warehouse design and their subsequent processing. 3. Formation of an understanding of the specifics of data warehouse management for various types of enterprise activities. 			
<i>Content</i>	<ol style="list-style-type: none"> 1. Introduction to data warehouses. 2. Architecture of corporate data warehouses. 3. Logical design of data warehouses. 4. The method of multidimensional modeling 5. Physical modeling of data warehouses. 6. Design and development of the data extraction, transformation, and loading process. 7. SQL in data stores. 8. Methods of multidimensional data analysis 			
<i>Teaching and learning methods</i>	Lecture	Practical training	Indep. study	Exam
	32	32	72	44
<i>ECTS Credits</i>	5 credits/180 hours			
<i>Assessment</i>	Examination(score-rating system based on the results of the final test), Course project			
Financial Analytics				
<i>Objectives</i>	The objective of studying is: <ol style="list-style-type: none"> 1. Formation of a comprehensive theoretical base on the methodology and tools of applied finance for the development and implementation of financial strategies of companies in the context of the global transformation of financial markets and the transition to an innovative economy. 			
<i>Content</i>	<ol style="list-style-type: none"> 1. Evolution of the fundamental concepts of financial management 2. The cost of capital: modern research directions and calculation methods 3. Structure and cost of capital: the main approaches and their applications in practice 4. Methods for evaluating the effectiveness of investment decisions 5. Taking into account uncertainty and risk when evaluating the effectiveness of an investment project 6. Distribution of profits among shareholders, payment of dividends and repurchase of shares 7. Decision-making process. Definition of the concept " model" 8. Graphic models 9. Linear models 10. Nonlinear models 11. Dynamic models 			

	12. Game models 13. Simulation models			
<i>Teaching and learning methods</i>	Lecture	Practical training	Indep. study	Exam
	16	32	61	35
<i>ECTS Credits</i>	4 credits/144 hours			
<i>Assessment</i>	Examination(score-rating system based on the results of the final test), Course project			
Quantitative Methods of Financial Decision-Making Process				
<i>Objectives</i>	The objectives of studying are: 1. Studying of the basics of the analysis of decision-making problems using mathematical models. 2. Getting practical skills in applying mathematical models and their quantitative implementation in financial decision-making tasks.			
<i>Content</i>	1. The decision-making process. Definition of the concept " model" 2. Graphic models 3. Investment process: basic concepts 4. Linear models 5. Nonlinear models 6. Dynamic models 7. Game models 8. Simulation models 9. Systematization of decision-making processes depending on the external environment 10. Qualitative methods of decision-making			
<i>Teaching and learning methods</i>	Lecture	Practical training	Indep. study	Exam
	16	32	61	35
<i>ECTS Credits</i>	4 credits/144 hours			
<i>Assessment</i>	Examination (score-rating system based on the results of the final test), Course project			
Career Adaptability				
<i>Objectives</i>	The objective of studying is: 1. Expanding the scope of the master's subject knowledge to increase the scope of professional activity			
<i>Content</i>	1. Building a career chart. 1.1. Building a career chart. 2. Career management in the organization. 2.1. Career management in the organization. 3. Self-diagnosis of personality and self-coaching. 3.1. Self-diagnosis and self-coaching.			

	4. Preparation and submission of a reflexive essay. 4.1. Intermediate control of the course (subject).			
<i>Teaching and learning methods</i>	Lecture	Practical training	Indep. study	Exam
	2	17	152	9
<i>ECTS Credits</i>	5 credits/180 hours			
<i>Assessment</i>	Pass/Fail assessment (score-rating system based on the results of the final test)			
Educational Foresight				
<i>Objectives</i>	<p>The objectives of studying are:</p> <ol style="list-style-type: none"> 1. Formation of an idea of using online learning in the modern educational process, the use of educational analytics to assess the progress of their own educational process, the disclosure of modern methods of building an educational trajectory to expand the capabilities of students. 2. Studying the process of using online courses in the educational process. 			
<i>Content</i>	<ol style="list-style-type: none"> 1. Basic concepts and definitions of e-learning and online learning <ol style="list-style-type: none"> 1.1. Electronic information and educational resources: definition and types 1.2. Overview of educational platforms 2. Introduction to online resources hosted on open educational platforms. Introduction to foreign educational platforms. <ol style="list-style-type: none"> 2.1. Features of courses hosted on various educational platforms. 3. Independent study of an online resource. Mandatory study of a resource hosted on a foreign platform. <ol style="list-style-type: none"> 3.1. Choosing a course for self-study. 4. Passing intermediate tests of an online resource to demonstrate the progress of studying the material <ol style="list-style-type: none"> 4.1. Embedding an online course in the educational process. 5. Work on the forum of an online resource <ol style="list-style-type: none"> 5.1. Communication in the online space. 			
<i>Teaching and learning methods</i>	Lecture	Practical training	Indep. study	Exam
	2	17	152	9
<i>ECTS Credits</i>	5 credits/180 hours			
<i>Assessment</i>	Pass/Fail assessment (score-rating system based on the results of the final test)			
Research work on the topic of the graduate qualification paper (master's dissertation)				
<i>Objectives</i>	<p>The purpose of the research work is to expand theoretical knowledge and acquire the necessary professional skills in accordance with the chosen field of study.</p> <p>The tasks of the training practice include obtaining skills:</p> <ol style="list-style-type: none"> 1. Justifies the current topics of scientific research, determines their theoretical and practical significance 2. Applies modern research methods, evaluates and presents the results of the work 			

	<p>3. Presents the results of academic and professional activities at various scientific events, including international ones</p> <p>4. Develops the project concept within the framework of the identified problem, formulating the goal, objectives, relevance, significance (scientific, practical, methodological and other, depending on the type of project), expected results and possible areas of their application.</p> <p>5. Adequately explains the features of behavior and motivation of people of different social and cultural backgrounds in the process of interaction with them, based on knowledge the reasons for the emergence of social customs and differences in people's behavior.</p> <p>6. Conducts a critical analysis of scientific sources of information in accordance with the the set scientific task, determines promising areas and makes a research program</p> <p>7. Creates a schedule for the implementation of the project as a whole and a plan for monitoring its implementation.</p> <p>8. Has the skills to create a non-discriminatory interaction environment when performing professional tasks.</p> <p>9. Publicly presents the results of the project (or its individual stages) in the form of reports, articles, speeches at scientific and practical seminars and conferences.</p> <p>10. Plans team work, assigns assignments, and delegates authority to team members. Organizes the discussion of different ideas and opinions.</p>
<i>Content</i>	<p>1. Preparatory stage:</p> <p>1.1. Formation of an individual task.</p> <p>1.2. Organizational meeting to explain the goals, objectives, content and procedure of the internship.</p> <p>1.3. Introduction to the practice venue.</p> <p>2. Main stage:</p> <p>2.1. Collection and processing of regulatory, production and technological information.</p> <p>2.2. Performing an individual task.</p> <p>3. Final stage:</p> <p>3.1. Preparation and execution of the practice report.</p> <p>3.2. Defense of the report.</p>
<i>ECTS Credits</i>	9 credits/324 hours
<i>Assessment</i>	Pass/Fail assessment (based on the results of the preparation and defense of the research work)
Research work on project management	
<i>Objectives</i>	<p>The purpose of the research work is to expand theoretical knowledge and acquire the necessary professional skills in accordance with the chosen field of study.</p> <p>The task of the practice is to gain practical skills such as:</p> <ol style="list-style-type: none"> 1. The students initiate projects and coordinate it with stakeholders 2. The students form the members of the project management team, distributes roles and responsibilities 3. The students organize the management and monitore of the project execution

	<ul style="list-style-type: none"> 4. The students form a team of implementation of the project, builds the processes of interaction 5. The students manage the provision of resources for project implementation 6. The students form a communication management strategy in the project 7. The students manage changes that occur during the implementation of the project
<i>Content</i>	<ul style="list-style-type: none"> 1. Preparatory stage: <ul style="list-style-type: none"> 1.1. Formation of an individual task. 1.2. Organizational meeting to explain the goals, objectives, content and procedure of the internship. 1.3. Introduction to the practice venue. 2. Main stage: <ul style="list-style-type: none"> 2.1. Collection and processing of regulatory, production and technological information. 2.2. Performing an individual task. 3. Final stage: <ul style="list-style-type: none"> 3.1. Preparation and execution of the practice report. 3.2. Defense of the report.
<i>ECTS Credits</i>	3 credits/108 hours
<i>Assessment</i>	Pass/Fail assessment (based on the results of the preparation and defense of the research work)
Research work on information technologies of planning and accounting process	
<i>Objectives</i>	The purpose of research work is gain the knowledge and skills necessary to plan and implement a full cycle of production activities using SAP S/4HANA Enterprise management.
<i>Content</i>	<ul style="list-style-type: none"> 1. Introduction to the methodology of enterprise management. The concept of the business process of the enterprise SAP S4\HANA 2. Automation of business processes of the enterprise. The concept of ERP. SAP S/4HANA Enterprise Management: Overview 3. Integrated business processes in SAP S/4HANA. Advantages of using SAP S/4HANA 4. Processing of processes "from potential to payment" (Sales) in SAP S / 4HANA. Description of the business process "from potential opportunity to payment". Defining organizational levels that support the business process "from opportunity to payment" 5. From purchase to payment. Business process "from purchase to payment". Organizational levels "from purchase to payment" 6. Planning and production. Business process "from project to operation" (Production) in SAP S/4HANA. Definition of the main data in the process "from project to operation" 7. Finance and controlling. Defining organizational levels in SAP Financials 8. Project Management. Project system. 9. Management of fixed assets. 10. Quality Management

	11. Warehouse management. The differences between the SAP solutions for warehouse management. Description of structures and usage. Warehouse management.
<i>ECTS Credits</i>	3 credits/108 hours
<i>Assessment</i>	Examination (based on the results of the preparation and defense of the research work)
Research work on the evaluation of the effectiveness of the business	
<i>Objectives</i>	The purpose of the research work is to expand theoretical knowledge and acquire the necessary professional skills in accordance with the chosen field of study. The task of the practice is to gain practical skills such as: 1. The students develop and improve quantitative and qualitative assessment methods for managing the organization's business processes
<i>Content</i>	1. Formation of a business performance management strategy for an industrial enterprise (industry name) on the example of a company. 1.1. Definition of theoretical aspects of business efficiency assessment of industrial enterprises. 1.2. Features of the activities of enterprises (name of the industry). 1.3. Brief description of the company. 1.4. Express analysis of the company's financial and economic activities. 1.5. Evaluating business performance with a cost-based approach 1.6. Evaluating business performance with a revenue-based approach 1.7. Assessment of the effectiveness of the LLC's business according to the EVA indicator 1.8. Generalized assessment of the effectiveness of the business 1.9. Business Performance Management Strategy
<i>ECTS Credits</i>	3 credits/108 hours
<i>Assessment</i>	Graded assessment (based on the results of the preparation and defense of the research work)
Research work on applied statistics	
<i>Objectives</i>	The purpose of the research work is to expand theoretical knowledge and acquire the necessary professional skills in accordance with the chosen field of study. The task of the practice is to gain practical skills such as: 1. The students provide advice on the implementation of innovative statistical methods provided to statistical bodies, companies and organizations engaged in static activities in various fields of science, technology, public, industrial and commercial activities. 2. The students publish the results of scientific activity in the field of mathematical situation 3. The students provide advice to consumers of statistical data on the sources of statistical information and methods of their correct use. 4. The students prepare analytical reviews of reports, recommendations, draft regulatory documents based on statistical calculations

<i>Content</i>	<p>1. Forecasting of socio-economic development on the example of a subject of the Russian Federation (VAR model). Purpose: to build a VAR model on the example of a subject of the Russian Federation Object: socio-economic indicators of the subject of the Russian Federation. Subject: trends in the development of various socio-economic indicators of the subject of the Russian Federation. Tasks: 1. Find statistics for your region for the period from 1995 to 2018. 2. Build a VAR model based on statistical data. 3. Make a forecast for 2019-2020. 4. Formulate conclusions.</p>
<i>ECTS Credits</i>	3 credits/108 hours
<i>Assessment</i>	Pass/Fail assessment (based on the results of the preparation and defense of the research work)
Research Work	
<i>Objectives</i>	<p>The purpose of the research work is to gain practical experience, including independent work at the enterprise (in the organization) and competencies in the fields and (or) areas of professional activity.. The task of the practice is to gain practical skills such as: 1. The students substantiate current research topics, determine their theoretical and practical significance 2. The students apply modern research methods, evaluates and present the results of the research work. 3. The students develop the concept of the project within the framework of the designated problem, formulating the goal, objectives, relevance, significance (scientific, practical, methodological and other, depending on the type of project), expected results and possible areas of their application. 4. The students apply the knowledge of economic theory in solving the set research and practical tasks 5. The students form a schedule for the implementation of the project as a whole and a plan for monitoring its implementation.</p>
<i>Content</i>	<p>1. Preparatory stage: 1.1. Formation of an individual task. 1.2. Organizational meeting to explain the goals, objectives, content and procedure of the internship. 1.3. Introduction to the practice venue. 2. Main stage: 2.1. Collection and processing of regulatory, production and technological information. 2.2. Performing an individual task. 3. Final stage: 3.1. Preparation and execution of the practice report. 3.2. Defense of the report.</p>
<i>ECTS Credits</i>	6 credits/216 hours
<i>Assessment</i>	Pass/Fail assessment (based on the results of the preparation and defense of the research work)

Practical Training for Obtaining Primary Professional Skills	
<i>Objectives</i>	<p>The purpose of the training practice is to expand theoretical knowledge and acquire the necessary professional skills in accordance with the chosen field of study.</p> <p>The task of the practice is to gain practical skills such as:</p> <ol style="list-style-type: none"> 1. The students conduct a critical analysis of scientific sources of information in accordance with the assigned scientific task, determine promising areas and draw up a research program 2. The students independently identify motivations and incentives for self-development, defining realistic goals for professional growth
<i>Content</i>	<ol style="list-style-type: none"> 1. Preparatory stage: <ol style="list-style-type: none"> 1.1. Formation of an individual task. 1.2. Organizational meeting to explain the goals, objectives, content and procedure of the internship. 1.3. Introduction to the practice venue. 2. Main stage: <ol style="list-style-type: none"> 2.1. Collection and processing of regulatory, production and technological information. 2.2. Performing an individual task. 3. Final stage: <ol style="list-style-type: none"> 3.1. Preparation and execution of the practice report. 3.2. Defense of the report.
<i>ECTS Credits</i>	6 credits/216 hours
<i>Assessment</i>	Pass/Fail assessment (based on the results of the preparation and defense of the practice report)
Practical training for obtaining professional skills and professional experience (including technological practice)	
<i>Objectives</i>	<p>The purpose of the practical training is to gain practical experience, including independent work at the enterprise(in the organization) and competencies in the fields and (or) areas of professional activity.</p> <p>The task of the practice is to gain practical skills such as:</p> <ol style="list-style-type: none"> 1. The students apply modern research methods, evaluate and present the results of their work 2. The students develop a strategy of cooperation and on its basis organize the work of the team to achieve the goal. 3. The students take into account in their social and professional activities the interests, behavioral characteristics and opinions (including critical ones) of the people with whom they work/interact, including by adjusting their actions. 4. The students organize and coordinate the work of project participants, contribute to constructive overcoming of emerging disagreements and conflicts, and provide the team with the necessary resources. 5. The students have the skills to overcome disagreements, disputes and conflicts arising in the team on the basis of taking into account the interests of all parties
<i>Content</i>	<ol style="list-style-type: none"> 1. Preparatory stage: <ol style="list-style-type: none"> 1.1. Formation of an individual task.

	<ul style="list-style-type: none"> 1.2. Organizational meeting to explain the goals, objectives, content and procedure of the internship. 1.3. Introduction to the practice venue. 2. Main stage: <ul style="list-style-type: none"> 2.1. Collection and processing of regulatory, production and technological information. 2.2. Performing an individual task. 3. Final stage: <ul style="list-style-type: none"> 3.1. Preparation and execution of the practice report. 3.2. Defense of the report.
<i>ECTS Credits</i>	9 credits/324 hours
<i>Assessment</i>	Pass/Fail assessment (based on the results of the preparation and defense of the practice report)
Pre-Graduate Practice	
<i>Objectives</i>	<p>The purpose of the pre-graduate practice is to expand theoretical knowledge and acquire the necessary professional skills in accordance with the chosen field of study.</p> <p>The task of the practice is to gain practical skills such as:</p> <ul style="list-style-type: none"> 1. The student summarize and critically evaluate domestic and foreign research results in the subject area 2. The student substantiate current research topics, determine their theoretical and practical significance 3. The student apply modern research methods, evaluate and present the results of the work performed 4. The student develop and improve methodologies for collecting and processing statistical data 5. The student analyze quantitative data based on probabilistic and statistical methods 6. The student present the results of academic and professional activities at various scientific events, including international ones 7. The student conduct research on current processes and trends in the field of finance, taking place at the micro level 8. The student develop and improve quantitative and qualitative assessment methods for managing the organization's business processes 9. The student evaluate the effectiveness of organizational and managerial decisions made within the framework of the set research and practical tasks 10. The student conduct a critical analysis of scientific sources of information in accordance with the set scientific task, determines promising areas and draws up a research program 11. The student form research programs on the economics of innovation based on the analysis of statistical data, scientific and analytical materials, etc.
<i>Content</i>	<ul style="list-style-type: none"> 1. Preparatory stage: <ul style="list-style-type: none"> 1.1. Formation of an individual task. 1.2. Organizational meeting to explain the goals, objectives, content and procedure of the internship. 1.3. Introduction to the practice venue. 2. Main stage:

	2.1. Collection and processing of regulatory, production and technological information. 2.2. Performing an individual task. 3. Final stage: 3.1. Preparation and execution of the practice report. 3.2. Defense of the report.			
<i>ECTS Credits</i>	9 credits/324 hours			
<i>Assessment</i>	Graded assessment (based on the results of the preparation and defense of the practice report)			
Defense of the graduate qualification paper (master's dissertation), including preparation for the defense and the defense procedure				
<i>Objectives</i>	The objective of studying is: 1. To set the level of preparedness of the graduate student to perform professional tasks and compliance with the training requirements of the educational standard and the basic educational program in the direction of training (specialty) of higher education.			
<i>Content</i>	1. Preparation of the master's final qualification work. 2. Defense of the master's final qualifying work.			
<i>ECTS Credits</i>	6 credits/216 hours			
<i>Assessment</i>	Defense of the master's final qualifying work (report with presentation)			
Seminar on Economic Theory				
<i>Objectives</i>	The objectives of studying are: 1. Using of knowledge of economic theory in solving applied problems. 2. Using the methodology and tools of economic theory to analyze the processes and phenomena of the real economy			
<i>Content</i>	1. Microeconomic analysis. 1.1. Theory of consumer behavior and market demand. 1.2. Fundamentals of the theory of production and costs. 1.3. Monopoly and competition in the markets of goods and services. 1.4. Monopoly and competition in factor markets. 1.5. General economic balance and efficiency. 2. Macroeconomic analysis. 2.1. The system of National Accounts. 2.2. The aggregated model of macroeconomic equilibrium in the explanation of market changes. 2.3. Modeling of aggregate demand and aggregate supply. 2.4. Macroeconomic instability. 2.5. State economic policy and its effectiveness.			
<i>Teaching and learning methods</i>	Lecture	Practical training	Indep. study	Exam

	16	-	52	4
<i>ECTS Credits</i>	2 credits/72 hours			
<i>Assessment</i>	Pass/Fail assessment (score-rating system based on the results of the final test)			
Information resources in scientific research				
<i>Objectives</i>	<p>The objectives of studying are:</p> <ol style="list-style-type: none"> 1. Getting the skills to work with information: problem statement; formulation of goals and objectives; justification and selection of directions for searching and extracting information for scientific research. 2. Gain the skills and understanding of the various types of digital resources needed to conduct scientific research. 3. Getting the skills to conduct scientific research. 			
<i>Content</i>	<ol style="list-style-type: none"> 1. Working with information: problem statement; formulation of goals and objectives; justification and selection of directions for searching and extracting information for scientific research. 2. Types of digital resources and stages of scientific research. 3. Skills of conducting scientific research. 			
<i>Teaching and learning methods</i>	Lecture	Practical training	Indep. study	Exam
	10	13	45	4
<i>ECTS Credits</i>	2 credits/72 hours			
<i>Assessment</i>	Pass/Fail assessment (score-rating system based on the results of individual tasks and research work)			

