

**Master programs taught in English:
National Research University Higher School of Economics**

General Information	Courses	Graduates' areas of activity
<p><i>System and Software Engineering</i> The aim of the programme is to train professionals in the area of industrial production of software, information and communication technologies and systems for various purposes. The contents of the programme are fully in line with international recommendations on teaching software engineering in university master's programmes, Integrated Software and Systems Engineering Curriculum.</p> <p>https://www.hse.ru/en/ma/se/</p>		<p>The master's programme involves internships – full-time practice in leading IT companies, including partner companies. Agreements on vocational training have been signed with Microsoft, EPAM, CyberPlat, PMSOFT group, DialogNauka, International Center for Informatics and Electronics, ROSECO, TEKAMA and others.</p> <p>Our graduates will work in stated above organisations and other leading Russian and international software manufacturers, research centers of transnational companies, system integrators and IT departments of large Russian companies and governmental bodies. They will be highly sought after professionals in a fast growing labour market, and able to effectively participate in the industrial implementation of the processes of development, maintenance and support of complex software systems.</p>
<p><i>Statistical Learning Theory</i> The goal of the new joint programme is to develop a new generation of scientists who can effectively carry out fundamental research and work on new challenging problems in statistical learning theory. This area is at the cutting edge of various disciplines of mathematics and computer science. It is one of the most dynamic and perspective areas of modern science, encompassing such fields as mathematical statistics, machine learning, optimization, information and complexity theory, etc. At the start of the programme, all students will be involved in thematic working groups, as well as actively participate in modern research. Leading HSE and Skoltech scientists will take part in the programme, along with leading global specialists in such fields as statistics, optimization and machine learning.</p> <p>https://www.hse.ru/en/ma/sltheory/</p>		

<p>Quantum Information Technologies This is a new programme. The first intake will be in 2017 The main goal of the programme is the education and training of highly-qualified specialists, who will be capable of competing on both Russian and global markets, as well as be able to solve complex problems related to the transmission, storage and processing of data using quantum-information technologies. Furthermore, graduates of the programme will be able to use cutting edge technologies and directly take part in their development. The programme's graduates are expected to embark on successful careers, either in academia/research work or IT and hi-tech industries. https://www.hse.ru/en/ma/quantum/</p>		
<p>Finance The Finance Master's programme at HSE St. Petersburg's School of Economics and Management prepares highly qualified and competitive specialists for careers in the financial sector. This programme is certified by the Association of Certified Chartered Accountants (ACCA) in the field of Financial Management. Students receive training that is in accordance with international standards recognized by professional associations including ACCA, PRMIA (Professional Risk Manager), and GARP (Financial Risk Manager). The programme is part of the IMESS consortium of universities headed by University College London (UCL). https://spb.hse.ru/en/ma/finance</p>	<p>Business English Introduction to Financial Management Macroeconomics Theory of Finance Advanced Econometrics Financial Markets and Institutions</p>	
<p>Financial Economics The programme is both academically rigorous and applied. Its curriculum is a unique blend of the core courses in Micro- and Macroeconomics, Econometrics, Asset pricing and corporate finance, and applied courses in various fields of Economics and Finance. Programme graduates start their careers as professional economists or analysts at financial institutions (including Sberbank, the Central Bank of Russia, HSBC, and UBS), non-financial companies (Sibur, Renault) or continue their studies at the doctoral level in top universities (such as LSE). https://www.hse.ru/en/ma/financial/</p>	<p>Microeconomics Macroeconomics Econometrics Mathematic for Economists Financial Economics</p>	
<p>Strategic Corporate Finance The Strategic Corporate Finance (SCF) programme is for those who want to simultaneously gain a deep, modern understanding of finance, as well as the broad, professional vision necessary for the modern-day financier.</p>		

<p>The programme focuses on studying the contemporary theory and global practices involved in corporate finance. At the same time, the SCF programme provides fundamental knowledge in all areas of finance and economics, which ensures that graduates, have wide career options. Our alumni work at leading consulting companies, investment banks, M&A advisory firms, investment funds, companies of the real sector, and research centres. The SCF programme's high quality is provided by its instructors, among who are leading Russian academics, including those with PhDs, visiting professors from Western universities, and finance practitioners from some of the largest international companies. In just two years, students are able to apply themselves and build their own personal network of professional contacts.</p> <p>https://www.hse.ru/en/ma/companyfin/</p>		
<p><i>Applied and Interdisciplinary History: Usable Pasts (St. Petersburg)</i></p> <p>The programme is founded on a practical focus, proposing both traditional training methods focused on research and developing practical skills related to applied history. On the one hand, the programme focuses on preparing students for work in the public sphere right after graduation. Other objective implies that the programme produces graduates with strong background for further academic career: it trains students in new historical approaches and methodologies that will make them successful in application to PhD programmes.</p> <p>https://spb.hse.ru/en/ma/apphist/</p>	<p>Introductory courses:</p> <ul style="list-style-type: none"> • Introduction to General History • Critical Analysis of Historical Sources and Information Resources • • Core general courses • Historical Textual Criticism • Theory and History of Culture • History of Historical Science <p>Core courses of the programme:</p> <ul style="list-style-type: none"> • Historical Memory and Identity Narratives • Technology, Science and Environment in History • Historical Heritage: Policy and Practices <p>Elective courses</p> <ul style="list-style-type: none"> • History of Economics and Economic Institutions • Ideology and Political Imagination of Imperialism and Nationalism 	

	<ul style="list-style-type: none"> • History of Social Institutions, Movements and Communication • Urban History in Transnational Perspective • Russia in World Politics • Public Choice and Public Policy 	
<p><i>Linguistic Theory and Language Description</i> The international MA program in linguistic theory and language description invites students from undergraduate to MA level with different background, interested in methods of linguistic analysis, interdisciplinary study of language and language documentation. We focus on Russian linguistics, sociolinguistics and typologically informed language description. Courses are taught by the staff of School of Linguistics (HSE). The language of instruction is English. https://www.hse.ru/en/ma/ling</p>	<p>Introduction to programming</p> <ul style="list-style-type: none"> • Cognitive and functional linguistics: an introduction • Linguistic data analysis: quantitative methods and visualization • Preprocessing and analyzing linguistic data in Python • Explanatory models in social sciences • Laboratory phonetics • Theoretical models in language description • Historical linguistics • Experimental linguistics • Introduction to the grammar of a lesser known language • Linguistic anthropology • Russian studies • Sociolinguistics • Typology 	<p>The program is essentially an academic MA designed for people who plan further career in fundamental / academic research and teaching. Successful graduates might want to consider PhD positions, in Russia or abroad, as well as teaching theoretical linguistics at leading universities. Applied and interdisciplinary experience includes neurolinguistic research, Russian as a foreign language, sociolinguistics, and computer lexicography.</p>
<p><i>Global Business (Nizhny Novgorod)</i> The programme is aimed at preparing managers with the professional and social competencies necessary to work under global economic conditions. Taught in collaboration with the Johannes Kepler University Linz (Austria) and the University of Bergamo (Italy), this programme combines teaching modules in three countries to cover the foundations of general managerial theory and practice on the international level, elements of management, and negotiation skills. Students study a second</p>	<ul style="list-style-type: none"> • 	

<p>foreign language (Russian, German or Italian) and gain work experience through internships with Italian companies. https://nnov.hse.ru/en/ma/global/</p>		
<p>International Business The Master of International Business (MIB) program is a unique hybrid of a business degree and an international affairs degree. The MIB aims to equip students with both the traditional business skills and the knowledge in the political, economic and socio-cultural aspects of the global marketplace. Unlike the standard MBA which is insufficiently international or globalizes functionally oriented curricula, this programme ensures that graduates not only understand how companies operate, but also the complex context in which they operate. This unique innovative programme is the first of its kind in Russia. The curriculum and the core aspects of the programme meet the requirements of the world's most advanced MIB programmes. The graduates of the MIB program receive a state-accredited diploma. https://www.hse.ru/en/ma/inbusiness/</p>	<ul style="list-style-type: none"> • International Business Research • Strategic Management of International Companies • International Corporate Finance • Foundations of Managerial Economics • Introduction to Financial and Managerial Accounting • International Marketing • World's Business Cultures and International Business Negotiations 	
<p>Governance of Science, Technology and Innovation Programme "Governance of Science, Technology and Innovation" pioneers Masters Education by taking account of the complexity of science, technology and innovation (STI) management and policy. Education targets at equipping students with competences which are frequently in short supply to companies and public institutions. The programme delivers competences to students giving them a global perspective and horizon on science, technology and innovation, the ability to make assessments in the field of Science, Technology and Innovation Policy and Management, taking into account relevant scientific, social and ethical aspects, and demonstrate an awareness of ethical aspects of research and development work. The programme provides students the opportunity to choose optional courses in either STI policy or in STI management. https://www.hse.ru/en/ma/sti/</p>	<ul style="list-style-type: none"> • Scientific Research Methods for STI • Economics of Innovation • Strategies in STI management • STI Policy • Measurement of STI • Foresight and Strategic Planning 	
<p>Mathematics The programme aims at training professional researchers in mathematical sciences and experts in mathematical education. Students will be</p>	<ul style="list-style-type: none"> • Mathematical methods of Science • Graduate students seminar • Complex analysis 	

<p>prepared for Ph.D. qualifying tests in Algebra, Topology and Analysis, have own research agenda and experience and have teaching experience at university level. https://www.hse.ru/en/ma/math/</p>	<ul style="list-style-type: none"> • Ordinary differential equations • Introduction to probability • Functional analysis • Equations of mathematical physics • Partial differential equations and distributions • Introduction to dynamical systems • Analysis of several complex variables • Integrable systems 	
<p>Applied Statistics with Network Analysis The Master of Applied Statistics with Network Analysis is intended for students who wish to enhance their statistical knowledge and credentials by obtaining a graduate degree in Applied Statistics, regardless of their primary field of study. Given the focus of the International Laboratory for Applied Network Research, an emphasis on network analytic methods will further enhance the programme offering, since networks recently became a popular source of data in a variety of fields. The programme will be offered in English and targeted at both Russian and international students. https://www.hse.ru/en/ma/sna</p>	<ul style="list-style-type: none"> • Contemporary Data Analysis: Methodology of Interdisciplinary Research • Contemporary Decision Sciences Methods: an Integrated Perspective • Statistical Learning Theory • Probability Theory • Nonparametric Theory and Data Analysis • Bayesian Theory and Data Analysis • Applied Linear Models • Categorical Data Analysis • Multilevel Models • Covariance Structure Analysis • Time Series Analysis • Data Mining • Exploratory Data Analysis 	<p>As the program will be associated with the research laboratory, students can get involved in the ongoing laboratory projects, some of which may culminate in their diplomas defense. Offering the program on the basis of a research laboratory will allow for a more meaningful interaction of research and teaching, as all program instructors are simultaneously laboratory researchers, and students will be paired with supervisors within the lab who closely align with their interests. In a way, the educational program will broaden the reach of the university, allowing a targeted selection of graduate students. Because the program is offered by an international research laboratory, those students who are interested in research will be enrolled for their internship (end of the second year) at the lab. Moreover, the ANR currently has a student exchange agreement with the SONIC lab at Northwestern University, Chicago. Other exchange opportunities are currently being explored, and students will also have a chance to complete their internships at companies where their analytical skills are needed.</p>
<p>City and Technology The programme will focus on the issues of urban planning and management using new city models and technologies. It will be led by international and Russian scholars and experts who are forming the current agenda for smart city development in Russia and worldwide. The key principle of the programme is learning by doing. The programme will take place in a laboratory-type environment where students will try</p>		

<p>new technology, prepare prototypes, investigate and analyse the city through data, and develop projects that come as a relevant response to complex problems that affect modern cities.</p> <p>The programme invites architects, designers, engineers, economists, entrepreneurs and graduates interested in the management of cities and technologies. The skills acquired during the programme will provide the graduates with a variety of career opportunities in large technological companies, city administrations or their own innovative businesses.</p> <p>https://www.hse.ru/en/ma/techcity/</p>		
<p>Applied Social Psychology</p> <p>Programme is a 2-year English-taught course, provided by Higher School of Economics and Tilburg University, Netherlands. It offers courses within the fields of Social Psychology, Cross-Cultural Psychology, Economic psychology, and Work and Organizational psychology. Students are free to choose an individual learning pathway, combining the Major in Social Psychology with Minors from Management, Asian studies, Sociology, Economics or other fields. Programme provides opportunity to spend the second year in Tilburg University, and obtain two degrees: MSc in Psychology from HSE and MSc in Social Psychology from TiU.</p> <p>https://www.hse.ru/en/ma/sna/</p>		
<p>Cognitive Sciences and Technologies: From Neuron to Cognition</p> <p>Our research-oriented programme offers courses in cognitive psychology, cognitive neuroscience, and neuro-modelling. The programme is carried out in close cooperation with the École Normale Supérieure and Center for Functionally Integrative Neuroscience, Aarhus University. Students attend lectures in English and have hands-on training in leading laboratories of Moscow and international partner institutions.</p> <p>https://www.hse.ru/en/ma/coqito/</p>		
<p>Comparative Social Research</p> <p>The programme provides students with professional research and writing skills to allow them to excel on the international professional research labour market. They will be well-qualified to build careers in academia or as experts in international organizations (and companies) such as the World Bank, International Labour Organization, OECD, UNESCO, UNICEF. Students will learn how to write scientific articles based on the analysis of empirical data and to publish these articles in international</p>		

<p>peer-reviewed journals. Our graduates will be well qualified to continue their careers within the PhD programmes of our international partners or in collaboration with the HSE academic PhD programme.</p> <p>https://www.hse.ru/en/ma/csr/</p>		
<p>Political Analysis and Public Policy</p> <p>The Programme is based on the best experience of Master's Programmes in Public Policy around the world. We are constantly developing and improving the programme and involve representatives from the leading Russian, European and American universities, most influential think tanks and renowned international organizations in the teaching process.</p> <p>The Programme has two study tracks: 'Public Policy Analysis' and 'Human Rights and Democratic Governance'. Students may choose from a wide variety of courses of both study tracks.</p> <p>https://www.hse.ru/en/ma/politanaliz/</p>	<ul style="list-style-type: none"> • Foundations of Public Policy • Conflict Management • Modern Political Science • Theory and Methodology of Political Research • Human Rights in Globalizing World • Global Actors in Public Policy • Comparative public policy analysis • Applied qualitative methods in social research • Methodology and Research methods in Sociology • Quantitative methods in social research • Applications of Statistical Methods to Public Policy • Foresight Methods and Analysis 	
<p>Politics. Economics. Philosophy</p> <p>The Master's programme is lead by a unified 'troika' of disciplines: political science, economics and philosophy. This is no coincidence. Along with the trend towards deeper specialization and pragmatism strongly represented in current higher education systems, the opposite countervailing trend towards knowledge integration is no less evident and tends to strengthen over time. This trend is fuelled by the understanding that important breakthroughs in the social sciences and humanities are often achieved at interdisciplinary crossings, and that divided disciplinary knowledge is unfit to face most challenges presented by the contemporary world. Demand for specialists capable of strategic thinking, prepared to cope with complex problems, and trained to work within interdisciplinary and/or international teams is becoming more and more imperative. A widening network of the programmes developing the pattern and purpose of Oxford PPEs <i>'Philosophy, Politics and</i></p>		<p>The most immediate field where graduates can apply their skills is that of political expertise and organization: analytical support for decision-making in governmental agencies, political parties, NGOs and businesses. Another option is think tanks and research centres, especially those that are focused on interdisciplinary problems of institutional reform and social policy. Extended training of graduates allows them to prepare and initiate strategic decisions and take a leading role in their implementation, thus making them competitive for key positions where joint competences from politics, economics and philosophy are most relevant.</p>

<p><i>Economics</i>’, or alternatively <i>Politics, Economics and Philosophy</i>’ is an educational response to such social demand. https://www.hse.ru/en/ma/pep/</p>		
<p>Population and Development The primary goal of this programme is to develop students’ skills in applying multi-disciplinary analytic approaches to population development and resource allocation issues, essential for public administration in numerous sectors. It is aimed at individuals with different backgrounds who want to understand the ways in which changes in development and population influence each other. A strong theoretical background and history of population development issues are provided together with up-to-date approaches to analyzing and projecting population structure and needs for resources. Based on this knowledge, population policy and key demographic challenges (that arose in the second half of the 20th century, and persist in the 21st) are discussed. https://www.hse.ru/en/ma/pd</p>		<p>This Master’s programme prepares students for careers in a wide range of fields: Public administration work in government agencies and services at different levels. International funds and non-governmental organizations (UN, WHO, the World Bank etc.). Academic work at research centers and universities (starting with a PhD in a leading research centre). Private companies (consulting, recruiting, marketing, insurance, pharmaceutical, and healthcare). Marketing companies (Mittel-MGU , MASMI, Medsi , biopharmaceutical company AstraZeneca)</p>
<p>Comparative Politics of Eurasia Master’s Programme in Comparative Politics of Eurasia offered by HSE St. Petersburg responds to the growing strategic importance of the wider Eurasian region, including the former Soviet Union and the countries of East Asia. It also focuses on the pressing need for both national and international expertise regarding the comparative politics of this vital region. The programme offers discipline-based professional training in Comparative Politics, complemented with an advanced, specialist understanding of the unique and challenging political and social environment of the Eurasian region. https://spb.hse.ru/en/ma/pm</p>	<ul style="list-style-type: none"> • Intro into Comparative Politics: Comparative Political Institutions • Postcommunist Politics and Society • Public Choice and Public Policy • Media in Contemporary Politics and Society • Research Methods in PolSci • Computational Text Analysis or Social Network Analysis • Political Economy of Post-communist Transformation • Russia in World Politics • Russia’s Electoral Politics: Comparative Perspective • Nations and Nationalism in USSR and Russia • Russia’s Civil Society: Comparative Perspective 	

<p><i>International Relations in Eurasia</i></p> <p>The programme is delivered in collaboration with the University College London, UK, and the University of Kent, UK (separate tracks). Teaching in the programme is based on multidisciplinary approach which allows students to examine complex interrelationship of politics and economics in today's globalized world with the focus on Eurasian studies. Students of the programme benefit from studying in truly international groups under the supervision of international faculty and experts from academia, business and government institutions.</p> <p>https://www.hse.ru/en/ma/eurasia</p>		<p>Career Opportunities</p> <p>The Program alumni build their careers along various trajectories. Their first choice is usually private and state companies, both international and Russian ones, with a focus on international markets. Students' skills blended with their knowledge of languages help them to build their careers effectively in such companies on different positions.</p> <p>Another career avenue are being offered by international organizations and NGOs, both international ones working in Russia and Russian ones working abroad. Our alumni working there demonstrate not only their language skills but also impressive intellectual level and knowledge of political and social dynamics.</p> <p>The third field of prospective occupation is media and journalism. In this field our students demonstrate their writing talents and experience in writing texts, articles, reports etc.</p> <p>Another specific field of occupation is diplomatic service and academia. Our School does not position itself as a leading diplomatic and foreign service school, but as we see from the career trajectories of our alumni, our training turns out to be absolutely competitive in comparison with specialized diplomatic schools. Academia is not a common choice either fro our alumni, but this field offers a goof perspective for personal development and career growth as well, both at HSE and at other think tanks, universities and research centers.</p>
<p><i>Socioeconomic and Political Development of Modern Asia</i></p> <p>Programme is aimed at training researchers to conduct inter-disciplinary research and to use internationally recognized methods of study in the areas of politics, economics, sociology, culture, ethnicity, religions, and linguistics with regard to Asian countries and peoples. The programme is transparently formulated to allow our students to enhance their career prospects internationally in academics, diplomacy, non-governmental and governmental corporations.</p> <p>https://www.hse.ru/en/ma/asia/</p>		<p>Students, who graduated from our Master's programme "Socio-economic and Political Development of Modern Asia", are highly demanded in:</p> <p>Governmental organizations which are closely related to the countries of Asia and Africa. (Ministry of Foreign Affairs, Ministry of Economic Development, Ministry of Education and Science, Governing Institutions of the Regions).</p> <p>International and intergovernmental organizations, in particular, the departments of the SCO and the UN;</p>

		<p>Expert, industrial and governmental research organizations, which are involved in the analysis of the political and economic environment of the East.</p> <p>Institutions of the higher education associated with the countries of Asia and Africa.</p> <p>Informational agencies and mass media. (ITAR-TASS, RIA-Novosti, "The Voice of Russia", VGTRK, "Russia Today" etc).</p> <p>Organizations of the science and research. (Institute of Oriental Studies (of the Russian Academy of Sciences), Institute of Far Eastern studies (RAS), IMEMO etc.).</p> <p>Companies that have an economic interest in broadening our cooperation with the East. (Gazprom, Lukoil, Transneft etc.).</p>
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