

Master programs taught in English: Kazan Federal University

Evidence Based Pharmacology and Pharmacotherapy

The Masters in Evidence-Based Pharmacology and Pharmacotherapy Program is designed to prepare students for a research career in the expanding field of Evidence-Based Medicine, pharmaceuticals and Cochrane systematic reviews. The Course is primarily based on students' active participating in research projects. By the end of the Master's program graduates should be able to design their own PhD research project

http://kpfu.ru/portal/docs/F1083672948/Evidence_Based.pdf

Admission requirements

Bachelor diploma - TORFL-2 (for Russian taught program) - B1 – for English taught program

- Philosophy in Life Sciences
- Psychology of leadership: training workshop
- Professional languages: Russian and English (or other foreign language)
- Report and thesis writing
- Basics of Economics and Management sciences
- Ethics in biomedical research and practice of medicine
- History and methodology of biomedicine
- Computer technologies in biology, medicine and pharmaceuticals. Programming and mathematical modelling
- Primary candidates for many PhD programs, either at the same universities or internationally. Masters in Evidence-Based Pharmacology and Pharmacotherapy course provides a unique opportunity of creating students' own PhD projects and contributing to it in advance.
- Key specialists in administrative/legal/regulatory/policy affairs, particularly within the profile of pharmaceutical regulation. Positions linking medical pharmaceutical sciences to pharmaceutical business or policy strategy should become increasingly available at governmental and semi-governmental institutions such as the medicines evaluation boards or the Ministry of Health, at societal (non-governmental) organizations.
- Careers in education, lecturing and/ or research in Evidence-Based field, Cochrane systematic review development.
- Positions in academic and general hospitals/clinics. They would become key specialists in drug evaluation boards/formulary committees, clinical research, policymaking, clinical education, management and communications.
- Positions in research-intensive institutes within pharmaceutical and biotechnology industry emerging in Russia and internationally. They would be able to contribute to drug innovation within research institutes at any of the growing number of pharmaceutical and biotechnology companies or to advise on the rational use of medicines within health care organizations.

<p>Pharmacology</p> <p>The Masters in Pharmacology Course is designed to prepare students for a research career in various expanding biomedical and pharmaceutical fields. The Course is primarily based on students' active participating in research projects. By the end of the Master's program graduates should be able to design their own PhD research project.</p>	<p>Admission requirements</p> <p>Bachelor diploma - TORFL-2 (for Russian taught program) - B1 – for English taught program</p>	<ul style="list-style-type: none"> • Philosophy in Life Sciences Psychology of leadership: training workshop • Professional languages: Russian and English (or other foreign language) • Report and thesis writing Basics of Economics and Management sciences (laboratory management) • Ethics in biomedical research and practice of medicine • History and methodology of biomedicine • Computer technologies in biology, medicine and pharmaceuticals. Programming and mathematical modelling 	<ul style="list-style-type: none"> • Primary candidates for many PhD programs, either at the same universities or internationally. Masters in Pharmacology course provides a unique opportunity of creating students' own PhD projects and contributing to it in advance. • Key specialists in administrative/ legal/ regulatory /policy affairs, particularly within the profile of pharmaceutical regulation. Positions linking medical pharmaceutical sciences to pharmaceutical business or policy strategy should become increasingly available at governmental and semi-governmental institutions such as the medicines evaluation boards or the Ministry of Health, at societal (non-governmental) organizations. • Careers in education, lecturing and /or research in any biomedical or pharmaceutical field. • Positions in academic and general hospitals /clinics. They would become key specialists in drug evaluation boards /formulary committees, clinical research, policymaking, clinical education, management and communications. • Positions in research-intensive institutes within pharmaceutical and biotechnology industry emerging in Kazakhstan and internationally. They would be able to contribute to drug innovation within research institutes at any of the growing number of pharmaceutical and biotechnology companies or to advise on the rational use of medicines within health care organizations.
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<p>Software Engineering The master program corresponds to the international recommendations on teaching Software Engineering on Master Courses of the following higher education institutions: Integrated Software and Systems Engineering Curriculum – Graduate Software Engineering 2009 (GSWE2009): Curriculum Guidelines for Graduate Degree Programs in Software Engineering in 2004.</p>	<p>The program takes two years. After a year of basic education students can choose one of three specializations: “Cognitive Systems and Data Science”, “Methods and tools for software engineering”, or “Management of software development”</p>		<p>IT IS Students begin to work in real projects of the IT industry starting from the second year which provides them with proper experience and competitive advantages by the graduation time. Most of our graduates become IT entrepreneurs.</p>
<p>Open Computer Science The main goal is preparing of highly qualified IT-experts able to perform functions of senior programmers and system analysts, and pursue research as well as analytical, project and managing activities relating to Computer Science.</p>			<p>Mastering the program will encourage the development of computer knowledge and skills by graduates to be able to identify, select and apply information resources and technologies with managerial potential on the most efficient and advanced ways.</p>
<p>General and strategic management The program is aimed at giving fundamental knowledge of management, deeper insights into economic theory and practice. Flexible schedule allows choosing courses to fit your personal needs.</p>			<p>Carrier opportunities: Government agencies, leading national and international corporations, research and academia. Graduates work at Gazprom, Sberbank, KPMG, PWC, EY, LG, Panasonic, and many other prominent companies.</p>
<p>Algebra The program aims to prepare highly qualified specialists in algebra and its applications. The main focus will be given to applied algebra, which develops at the junction with mathematical logic, in particular computable algebras and algorithmic problems of algebra. During the studies students will get involved in international scientific projects.</p>			<p>Carrier opportunities: The knowledge and the experience obtained during the study will help to students to become skillful scientists, to carry out teaching and research in KFU, other Russian and foreign Universities and scientific centers.</p>
<p>Neurobiology The aim of the program is training of the specialists, processing both broad theoretical knowledge and experimental skills in the field of neuroscience, able to carry out research at the molecular, cellular, systemic levels. Educational and experimental basis is Dept. Human & Animal Physiology, including International Laboratory of Neurobiology and Open Lab Neurorehabilitation equipped by</p>			<p>Carrier opportunities: The knowledge and experience obtained during the program prepares students for careers in academic research, teaching and industry.</p>

advanced research at the level of single ion channels, neuronal networks (in vivo and vitro) and behavioral level.			
<p>Physics of the Magnetic Phenomena</p> <p>The program is a good platform for the motivated students who want to become professionals in magnetic resonance and its applications in crystal and Nano crystals physics, quantum liquids and superconductor physics, modern material science. During the studies students will get involved in international scientific projects and use high level equipment.</p>			<p>Carrier opportunities:</p> <p>FMA is a good opportunity to become skillful scientists and make publications in scientific journals. Our master graduates continue their work in KFU, RAS institutes, European, American and Japanese scientific centers.</p>
<p>Environmental studies: system ecology and modeling</p> <p>Master of Environmental Studies (MES) is an interdisciplinary degree based on environmental science, ecology, mathematical modeling methods and modern methods of statistical analysis, GIS and Space remote sensing.</p>			<p>Carrier opportunities:</p> <p>Graduates of the program are well prepared for professional work in government and public services that manage and control of natural resources using, in the industrial companies and project institutions operating urban and rural planning.</p>
<p>Biotechnical systems and technologies</p> <p>The master program is implemented in the Engineering Institute of the KFU. It is meant to educate specialists in intelligent biomedical equipment design, service maintenance and operation.</p>			<p>Carrier opportunities:</p> <p>The received training graduates to work in the field of biomedical and ecological equipment design, production and operation, including biotechnical systems and technologies for living system monitoring and status management. The graduates are of high demand in the labor market.</p>
<p>Complex data analysis of geosciences</p> <p>It is a unique program, where all the main geological sciences in the field of Oil and Gas geology and geophysics are combined. The program is realized on the Geology and Petroleum technologies institute of KFU.</p>			<p>Carrier opportunities:</p> <p>Alumni of this program can work in the world leading companies of the petroleum industry, such as Shell, Rosneft, BP etc.</p>
<p>Stratigraphy</p> <p>The master's program includes more than 20 specialized subjects which will allow to get modern ideas about the earth's layers, their age, origin and mechanisms of formation, the material composition of rocks and modern methods of research.</p>			<p>Carrier opportunities:</p> <p>Leading specialists of geological services of the largest companies-subsoil users in the country, including companies in the Russian multidisciplinary exploration of the holding JSC "Rosgeologia", Gazprom Neft, Tatneft, Bashneft, numerous joint Russian-foreign companies.</p>

<p>Regional studies. Eurasian studies: Russia and neighboring regions (Islamic studies)</p> <p>The main focus of the program is Islamic Studies in general and Islamic economics in particular. The program successfully combines Islamic studies, analytical and economic practices, enables to get systematic and universal approach to research and management in the areas which are an integral part of Islam and Muslim culture. The resulting academic qualification is "Master of Foreign Region Studies with the knowledge of foreign languages".</p>			<p>Carrier opportunities:</p> <p>The program aims to prepare specialists in region studies with Islamic studies profile specializing in certain Muslim regions, people able to develop practical solutions in international relations and the economic strategy of countries and region.</p>
<p>History of Russia: sociocultural and ethno-political research</p> <p>It is important to graduate experts able to competently solve complex problems in the atmosphere of multiculturalism and ethno-social variety of contemporary Russian society. Many of these problems have deep historical roots. The study of Russian history, especially its sociocultural and ethno-political aspects and issues, contributes to the graduates' successful integration and adaptation to the socially, culturally, religiously heterogeneous environment and helps them make use of the high potential of diverse Russian history and culture.</p>			<p>Carrier opportunities:</p> <p>Research and academic staff; archives and museums; public governance and administration; experts in national politics, social history, religion, and ethnic studies.</p>
<p>Linguistics. Theory of translation. Intercultural and inter linguistic communication</p> <p>We were the first in the central part of Russia to offer a master's program in translation and interpretation, so students will benefit by getting a degree that will enhance students' career opportunities on the European job market. This course enable students to master their English, develop skills in written translation, simultaneous and consecutive interpretation, learn French and German, and develop skills as a researcher and gain knowledge of a specific area of English studies for professional development.</p>			<p>Carrier opportunities:</p> <p>This programme has been designed to help progress career as a translator, an interpreter in a variety of industries, editor, and as a linguist in academia.</p>
<p>Linguistics. Theory and methods of language and culture teaching</p> <p>With a strong emphasis on developing skills and knowledge that can be applied in professional settings, this intensive program draws on knowledge about teaching in secondary school and higher educational institutions, masters your English language skills. Teaches you French and German, and develops your skills as a researcher in a specific area of teaching languages.</p>			<p>Carrier opportunities:</p> <p>This degree can offer you continuing professional development, particularly in related areas such as teaching, linguistics, research, editing, and more general employability skills.</p>

<p><i>The Law of international trade and external economic activity</i> The program aims at providing students with the tools to understand the multilevel context of international trade relations and the variety of legal instruments and institutions of the global commerce. It includes courses on the current issues of International economic relations: World Trade Organization, regional organizations of economic integration, international tax law, investment law, labor migrations, international protection of intellectual property rights, international commercial contracts and arbitration.</p>			<p>Carrier opportunities: The Program prepares students for carriers in private companies operating globally, state bodies and non-governmental organizations in national and international levels.</p>
<p><i>European law</i> The two-year Master’s Program “European Law” focuses on legal regulation of the activities in different sectors on international, European and national levels. The Program aims at providing students with the tools to understand international and European level contexts which are influenced by the processes of internalization, globalization and European integration.</p>			<p>Carrier opportunities: The Program prepares students for carriers in organizations and institutions working either at national or European levels or internationally: in private companies operating globally, in government or non-governmental organizations or in the diplomatic service.</p>
<p><i>Teaching English at the high and higher school</i> The program is realized at the Institute of Philology and cross-cultural Communication named after Leo Tolstoy by KFU. Trainees master the unique educational discipline, the theory of modern technologies in teaching the English language, using the latest tools of language certifications and carry out pedagogical and research activities in secondary and higher educational institutions.</p>			<p>Carrier opportunities: Graduates of the program are widely demanded, work in gymnasiums and lyceums, higher educational institutions, in organizational and administrative structures, scientific-educational and expert-analytical centers and continue training in postgraduate study.</p>
<p><i>Transnational migration and religious adaptation</i> One of the specific features of present-day globalizing world is increase of transnational/transcultural migration. Large masses of people change the places of their residence on the long term or permanent basis. Social adaptation of these people includes religious adaptation as one of the basic parts which is determined by the traditional roots of the societies they are moving from (i.e. secular or “post-secular” societies). Thereby, importance component of social adaptation acquires a special significance.</p>			<p>Carrier opportunities: The graduates of the program can work for public administration and non-governmental organizations connected dealing with social adaptation.</p>