

Job Title	Postdoctoral Researcher in Mathematics / Mathematical Physics
Hours	Full time
Contract type	Fixed-term contract for up to three years. Three positions starting on August 1, 2025, or as soon as possible thereafter.
Salary	The salary for postdoctoral researchers in mathematical sciences is \$2,000 per month after taxes. In addition, there is an allowance of \$3,000 per year for travel to conferences and research visits. In some cases, KSE may offer a higher salary and increase the travel budget.
Location	KSE Campus, 3 Mykoly Shpaka Street, Kyiv, Ukraine
Application deadline	January 31, 2025
Additional information	<p>KSE plans to hire at least 10 full-time faculty members in mathematics over the next three years. The newly hired postdocs and professors are expected to conduct research, supervise students, and teach in English. The opening of new positions is linked to the launch of new international undergraduate and graduate programs in mathematical sciences at KSE in the Fall of 2025.</p> <p>A preliminary description of the undergraduate programs in mathematical sciences at KSE can be found <a href="#">here</a>. The offering of graduate courses will depend on the research interests of researchers hired through this and other job advertisements.</p>
Selection criteria	<p>KSE follows an open, transparent, and merit-based recruitment policy. Preference will be given to candidates who demonstrate excellence in research. The selection committee will consider the need to balance various fields of mathematical sciences in the newly created Department of Mathematics at KSE.</p> <p><i>KSE upholds high ethical standards and is committed to diversity and accessibility for all. We encourage women and candidates from other underrepresented minorities in mathematical sciences to apply. Our campus is accessible to people with limited mobility.</i></p>
Safety and flexibility	<p>Ukraine has been resisting the full-scale military invasion by the Russian Federation since the beginning of 2022. Kyiv is far from the front line, and the effects of the war in the city are primarily seen through air raids and power outages. Despite this, Kyiv is functioning fully, including medical services and the education system.</p> <p><i>In light of the uncertainties caused by the war, KSE welcomes candidates who are ready to join for shorter periods, starting from one teaching term, as well as those who would like to maintain their affiliation with a foreign university while working at KSE. This information can be included in the cover letter submitted by candidates.</i></p>
Funding partners	This post is supported by the Simons Foundation.

## Overview of the post

Early career researchers in mathematics or mathematical physics are invited to apply for full-time postdoctoral positions at KSE. To apply, candidates should hold a PhD in mathematics or a closely related field.

The newly hired postdoctoral researchers will play a leading role in building a thriving research environment in mathematical sciences at KSE and fostering collaborations within the global research community. The duties of a postdoc at KSE include conducting research, mentoring undergraduates, and teaching. The languages of instruction are English and Ukrainian. No knowledge of Ukrainian is required from candidates. We expect postdoctoral researchers to engage in one teaching activity per term, which could include lecturing small groups, providing teaching assistance, or running a graduate student seminar.

The positions will start on August 1, 2025, or as soon as possible thereafter. We expect to fill three postdoctoral positions in this first round of hiring.

## How to apply

Candidates should submit the following as PDF documents to the address [mathpositions@kse.org.ua](mailto:mathpositions@kse.org.ua):

- Cover letter
- Curriculum vitae (up to 3 pages)
- List of publications
- Research statement (up to 5 pages, including a description of past results and future plans, addressed to a general audience of mathematicians rather than experts in your field)
- Names, affiliations and contact emails of two academics who have agreed to provide references for the candidate
- (Optional) Teaching statement

The application deadline is **January 31, 2025**. When submitting the documents, please use 'Application for a Postdoctoral Position in Mathematics / Mathematical Physics' as the subject of your email.

**Two reference letters should be submitted by the referees to the same email address by the closing date.** Applicants are responsible for contacting their referees and ensuring that their letters are received by the closing date.

If you have any questions, candidates are welcome to write to [mathpositions@kse.org.ua](mailto:mathpositions@kse.org.ua). The contact person for the position is Ms. Nadiia Kasianchuk.

## **Selection process**

Shortlisted candidates will be invited for interviews by February 15. Interviews will be conducted remotely in the second half of February, and final decisions will be announced in March. All applicants will be notified of the results of their applications.

## **About the Kyiv School of Economics**

The Kyiv School of Economics (KSE) consists of three entities: KSE Institute, KSE University (which includes the Business School and, starting in 2024, the School of Engineering), and KSE Foundation. This structure fosters effective interaction and synergy across various domains, all focused on advancing education and science.

KSE's roots trace back to the establishment of the Master's program in Economics, taught in English, in 1996. This program was launched by the Economic Education and Research Consortium (EERC) and the Eurasia Foundation at Kyiv-Mohyla Academy. In 2005, the EERC and the Stockholm Institute of Transition Economics (SITE) founded the Analytical Services Division (now known as KSE Institute since 2019) to provide scientific economic evidence for policy development and to promote data-driven policymaking.

In 2006, the Master's program in Economics evolved further when EERC left Kyiv-Mohyla Academy and became an independent institution, now known as the Kyiv School of Economics. Since then, KSE has grown into a group of organizations engaged in educational, scientific, and analytical activities, making significant contributions to Ukraine's higher education system and society. In 2007, the University of Houston recognized KSE as its foreign partner university with a campus in Kyiv, further affirming the quality of KSE's Master's program in Economic Analysis, which remains a cornerstone of the institution: <https://university.kse.ua/en/international-influence>

In 2013, KSE launched a new Master's program in Business and Financial Economics, which quickly gained popularity. To support the development and financial needs of EERC (and later KSE), the Charitable Foundation was established first in the United States in 2000, and then directly at KSE in Ukraine in 2007. The Foundation aims to advance Ukraine and Ukrainian society by supporting education and science. For more information about the mission, key projects, partners, and donors of the KSE Foundation, please visit its website: <https://foundation.kse.ua/en/what-we-do/>

In 2016, the KSE Charitable Foundation established KSE University to conduct educational activities, develop new study programs, and create an environment that fosters comprehensive student development, high moral standards, patriotism, and awareness. The University aims to provide an intellectual foundation for addressing both current and future challenges faced by Ukraine and the world. KSE University is committed to educating leaders who will ensure the survival and prosperity of their generation and the next. More information about KSE University can be found on its website: <https://university.kse.ua/>

In 2021, KSE acquired a modern, state-of-the-art building that provides a comfortable environment for learning, research, and communication among students, partners, and the university team.



## Mathematical Sciences at KSE

With the support of partners and donors, the Kyiv School of Economics (KSE) aims to establish the leading department of pure and applied mathematics and mathematical physics in the country and the region. Our mission is to nurture world-class talent through high-level instruction and research in mathematics and physics that advances the frontier of knowledge in the fundamental sciences. Having successfully launched an applied mathematics program in 2023, KSE plans to build the department's faculty in Kyiv to a significant strength over the next three years. Following the model successfully implemented in the establishment of the Kyiv School of Economics itself, the department will initially rely heavily on foreign visiting professors, including Ukraine's academic diaspora, for teaching talent.

The international environment on KSE's campus is further reinforced by our partnership with the [International Centre for Mathematics in Ukraine \(ICMU\)](#). KSE is currently hosting the working space of ICMU, which organizes events with the participation of foreign mathematicians, such as research schools, lecture series by distinguished visitors, and collaboration in small groups.

Starting in Fall 2025, KSE will expand its undergraduate course offerings to include pure and physical mathematics, as well as launch a postgraduate program in mathematics. Our new undergraduate programs will maintain a core focus on foundational mathematics while providing training in the applications of mathematics in other branches of science and technology, including physics and computer science. A tentative plan can be found here: <https://kse.ua/planned-undergraduate-programs-in-mathematics-at-KSE.pdf> The offer of graduate courses and seminars will be shaped by the research interests of newly hired faculty members. The graduate program at KSE will be run in collaboration with the graduate program at the [Kyiv Academic University](#), where courses are taught by professors from the National Academy of Sciences of Ukraine.

**How does this work during the war in Ukraine**

The safety of our faculty members and visitors is the highest priority for KSE. The University has a bomb shelter equipped with lecture rooms, as well as independent sources of power and internet. Under these conditions, KSE is able to provide in-person education and research facilities on campus. Foreign visitors receive all necessary safety instructions, and our administration assists with medical insurance and accommodation in Kyiv.

During the years of full-scale war, KSE has hosted visiting professors from institutions such as the Central European University in Vienna, King’s College London, Columbia University, the University of Chicago, the University of Maryland, the University of North Carolina, the University of Ottawa, the University of Pittsburgh, the University of Rochester, the University of Wisconsin-Madison, and Yale University.

