

# Mathematics MSc

[www.elte.hu/en/mathematics-msc](http://www.elte.hu/en/mathematics-msc)

## Faculty of Science

Eötvös Loránd University (ELTE)  
Budapest, Hungary

### Language of instruction:

English

### Duration:

2 years

### Program starts:

in September

### Accreditation number:

MAB2011/3/VII/6

### ECTS credits:

120

### Limit:

5-10 students



*"The marvelous scenery outside our campus brightens up my mood and makes my study here a pleasant experience. What is more, the most delightful thing every day is to read in our magnificent central library. Studying at ELTE is both enjoyable and fruitful."*

Cui Hao  
China



The program gives a comprehensive knowledge of **several areas in mathematics** and introduces the students into doing research in **theoretical and/or applied mathematics**. Courses are offered in **algebra, number theory, real and complex analysis, topology, geometry, probability theory and statistics, discrete mathematics and operations research** but also in such interdisciplinary subjects as **bioinformatics and theoretical computer science**. The students may also choose from high-level application-oriented courses, which present hot topics of mathematics, such as **complex systems** and **financial mathematics**.

## Strength of program:

One main feature of the program is the great variety of courses, covering **several areas of mathematics** and our graduates will have a broad knowledge in many areas of mathematics. Besides offering introduction and basic foundation in many areas, some of the subjects lead to up-to-date research results.

Most of the teachers of the program have **international teaching experience** in teaching at foreign universities and they regularly give classes also North American institutions. Young mathematicians, bringing in freshness and new momentum, are also involved in the program. Examples show that graduating from our program is a very good starting point for doctoral or (at a later stage) postdoctoral studies.

Of particular interest is the fact that many researchers in the **internationally renowned Hungarian school of combinatorics** have started their career at our university and many of them still have position at the Institute of Mathematics. For example the Wolf Prize and Kyoto Prize winner Prof. **László Lovász** is a professor at our university. Recent Abel prize winner, Prof. **Endre Szemerédi** is also a graduate of our school. But one could also recall the Ostrowski Prize of Prof. Miklós Laczkovich (professor of our university), the Gödel Prize of Prof. László Babai (former professor), the Coxeter Prize of Prof. Balázs Szegedy (a graduate of our university).

## Your application:

**Application deadline (February intake):** 31 October

**Application deadline (September intake):** 31 May

**Tuition fee/semester:** 4,190 EUR

**Application fee:** 160 EUR

**Registration fee/semester:** 60 EUR

Please consult the website  
for the most recent information:

**[www.elte.hu/en/mathematics-msc](http://www.elte.hu/en/mathematics-msc)**

## General information:

@ [iro@elte.hu](mailto:iro@elte.hu)

f [www.facebook.com/elteinternational](https://www.facebook.com/elteinternational)

y [www.youtube.com/user/ELTEfilm](https://www.youtube.com/user/ELTEfilm)

s [elteinternational](https://www.instagram.com/elteinternational)

(available: every Friday 10:00-12:00 a.m. CET)

**Download brochures:** [www.elte.hu/en/brochures](http://www.elte.hu/en/brochures)

**Find your degree program:**

[www.elte.hu/en/find-degree-program](http://www.elte.hu/en/find-degree-program)

**Meet our students:** [www.elte.hu/en/meet-our-students](http://www.elte.hu/en/meet-our-students)

**Visit us:** [www.elte.hu/en/visit-us](http://www.elte.hu/en/visit-us)

Information in this leaflet is correct at the time of the publication. For the most up-to-date information, please consult the website at [www.elte.hu/en/find-degree-program](http://www.elte.hu/en/find-degree-program).

Editors: International Office, Rector's Cabinet, Eötvös Loránd University  
Graphic design: Communications Office, Rector's Cabinet, Eötvös Loránd University

## Career prospects:

Our graduates will be able to apply for Ph.D. studies either at Eötvös Loránd University or anywhere in the world. Many students, however, continue their career immediately in the industrial research and development, often at high tech industries in telecommunication, financial institutions, insurance companies, or in software development of such research giants as Google.

## Job examples:

university professor, research mathematician, system analyst in a financial institution (bank, investment, insurance), high tech industry, teacher of mathematics

## Other degree programs at the Faculty of Science, ELTE:

- Biology MSc
- Chemistry MSc
- Environmental Science MSc
- Meteorology MSc
- Physics MSc
- Doctoral School of Biology
- Doctoral School of Chemistry
- Doctoral School of Earth Sciences
- Doctoral School of Environmental Sciences
- Doctoral School of Mathematics
- Doctoral School of Physics

## Program Leader:

András Szűcs  
Director of the Institute of Mathematics

## Program Coordinator:

István Ágoston, Associate Professor  
**E-mail:** [agoston@cs.elte.hu](mailto:agoston@cs.elte.hu)  
**TEL:** +36 1 381 2500 / 8422

## Program Administrator:

Klaudia Szalay  
**E-mail:** [szalayk@cs.elte.hu](mailto:szalayk@cs.elte.hu)  
**TEL:** +36 1 381 2202

## International Office:

Angelika Újváry, International Coordinator  
**E-mail:** [inter@ttk.elte.hu](mailto:inter@ttk.elte.hu)  
**TEL:** +36 1 372 2695