

# BUDAPEST SEMESTERS IN MATHEMATICS

## APPLICATION

Application information is available online at [www.budapestsemesters.com](http://www.budapestsemesters.com).

Deadlines for application:

- Fall Semester – April 1
- Spring Semester – Oct. 15

Early application is encouraged.

## COSTS

BSM tuition is lower than tuition at many U.S. colleges and universities. BSM has agreements with a number of U.S. educational institutions that allow students to maintain financial aid at their home schools while studying in Budapest.

Current tuition rates and living cost estimates are available online at [www.budapestsemesters.com/program-costs](http://www.budapestsemesters.com/program-costs).

## PARTICIPANT PROFILE

- Average home school GPA of 3.7
- Completed first theory course in analysis or abstract algebra
- Eager for a deeper immersion into the study of mathematics
- Excited to experience a different culture



## BUDAPEST, HUNGARY

Hungary is a small country, about the size of Indiana. A member of the European Union, Hungary developed its distinctive culture over a thousand-year history, blending influences from East and West. Budapest, the capital, a city of two million, displays a scenic combination of natural and architectural beauty on the banks of the Duna (Danube) River. Famous for its graceful bridges, green parks, vibrant culture, and delicious food, Budapest is a remarkably safe and pleasant place.



## CONTACT INFORMATION:

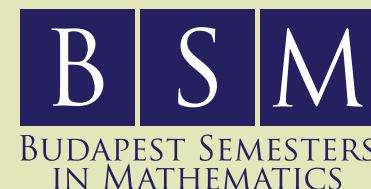
Prof. Kristina Garrett, North American Director  
Prof. Kathryn Ziegler-Graham, Associate Director  
Budapest Semesters in Mathematics  
St. Olaf College, Northfield, MN 55057  
(507) 786-3114  
[info@budapestsemesters.com](mailto:info@budapestsemesters.com)  
[www.budapestsemesters.com](http://www.budapestsemesters.com)



*Spend a Semester  
Studying Mathematics  
in Budapest, Hungary*



The Prestigious and Essential Study Abroad  
Program in Mathematics, Established in 1985



# BUDAPEST SEMESTERS IN MATHEMATICS

## THE PROGRAM

Spend one or two semesters in Budapest with math-minded undergraduates from across the United States and Canada studying mathematics with eminent Hungarian scholar-teachers. Enjoy living in the European city of Budapest, Hungary's capital.

Follow in the footsteps of more than 2,500 undergraduates who have taken advantage of Budapest Semesters in Mathematics (BSM), the preeminent study abroad program in mathematics. Founded in 1985 by friends of Paul Erdős, the program encourages student creativity, a key element in the highly successful Hungarian method of mathematics instruction.



## HIGHLIGHTS

- Small classes, taught in English
- Full-credit courses taught by instructors with experience teaching North American students
- Credits transferable to North American colleges and universities
- Community of mathematically motivated students
- Research opportunities with professors
- School centrally located in Budapest
- Modest living costs
- Excellent public transportation

## ACADEMICS

BSM instructors are members of Eötvös University, the Rényi Institute of Mathematics, and Budapest University of Technology and Economics, the three institutions known for having educated the great majority of Hungary's highly acclaimed mathematicians.

- Full-semester program includes 14 weeks of instruction and one week of final exams.
- Classes meet two to three times per week (56 contact hours per semester).
- Classes stress problem solving, foster student creativity, and support group learning.
- A wide variety of mathematical courses is offered.
- Course offerings combine standard upper-level courses with courses in areas of traditional strength of Hungarian mathematics, such as combinatorics, number theory, and probability theory.

## A SAMPLE OF COURSES OFFERED

Abstract Algebra	Galois Theory
Combinatorics	Number Theory
Complex Functions	Probability Theory
Conjecture and Proof	Set Theory
Differential Geometry	Topology
Graph Theory	Mathematical Problem Solving

Many courses are offered at intermediate and advanced levels. See the BSM website for a full list.

## OPPORTUNITIES FOR STUDENTS

- Colloquium lectures by internationally renowned scholars
- Putnam Exam offered in December
- GRE offered in Budapest



## LIVING IN BUDAPEST

- Culture: Budapest is a beautiful European metropolis with a Parisian atmosphere and a history that goes back to the Roman Empire. Students enjoy the rich musical scene (classical, jazz, klezmer, world, folk, pop, etc.), museums, art galleries, thermal baths, local and international pubs, ethnic dance houses, the culinary delights, soccer games, and much more.
- Survival Hungarian Course: Most students participate in an optional two-week intensive Hungarian course before the beginning of the semester. The course includes tours of the city and practical skills for everyday living.
- Housing: Students are housed in BSM-approved furnished apartments near the historic city center. They share apartments with other BSM students.
- Transportation: With excellent and inexpensive public transportation, Budapest is an easy city to navigate. Hiking in the scenic hills of Buda is just a short bus-ride away.
- Travel: Students take advantage of Hungary's central location to visit other great European cities, from Prague and Vienna to Florence, Athens, and Istanbul.