SEMMELWEIS
UNIVERSITY 1769

SEMMELWEIS FOR GLOBAL HEALTH

PHARMACEUTICAL SCIENCES SUMMER SCHOOL

SEMMELWEIS UNIVERSITY

Budapest, Hungary

2027

www.semmelweis.hu

OVERVIEW
Pharmaceutical Sciences Summer School

The Training Program in Pharmaceutical Sciences is a two-week, English-taught intensive course offered by the Faculty of Pharmaceutical Sciences at Semmelweis University in Budapest, Hungary.

This unique program **combines academic excellence with practical training** in the core areas of pharmaceutical research, development, and innovation.

The curriculum is structured into **daily sessions (8:00-16:00)** and covers a wide range of **critical subjects with a strong emphasis on case studies, and real-world applications.**

Participants will engage with core disciplines including Pharmaceutical Chemistry and Analysis, Pharmaceutical Technology, Industrial Pharmacy, Pharmacognosy, and Pharmacodynamics. The program also delves into **specialized topics** such as:

- Clinical Pharmacy
- Pharmaceutical Communication and Integrated Consulting
- Pharmaceutical care
- Clinical Pharmacokinetics
- Biopharmacy
- Phytotherapy
- Biological Drugs
- Statistics for Pharmacists
- Pharmaceutical Management and Communication

Designed for pharmacy students, early-career professionals, and international participants, the program offers a balanced mix of theoretical knowledge and its practical application. A key feature is the **direct involvement of industry partners**, with dedicated sessions providing valuable insights into the regulatory and operational aspects of the pharmaceutical industry.

The program is held **in-person in Budapest**, one of Europe's most vibrant and historic cities, providing not only professional development but also a rich cultural experience.



PRIMARY OUTCOMES OF THE TRAINING

Upon completing the program, participants will have developed a comprehensive understanding of the drug discovery and development process, along with hands-on experience in key pharmaceutical technologies such as pharmaceutical analysis, quality control, and formulation techniques. They will be able to apply theoretical knowledge in practical laboratory settings, improve their scientific reasoning and communication skills, and engage in interdisciplinary discussions with experts and peers.

This training is designed to strengthen both academic and professional competencies, equipping participants for future studies or early-career roles in the pharmaceutical and healthcare industries.

IMPORTANT! The content of the program depends largely on the prior knowledge level and expectations of each participant. The thematic program will be specified once individual requirements are known.

Introduction of the
Faculty of Pharmaceutical Sciences

About the Faculty of Pharmaceutical Sciences

The Faculty of Pharmaceutical Sciences at Semmelweis University is one of Hungary's most prestigious centers for pharmaceutical education and research.

Founded in 1955, the Faculty has evolved into a vibrant academic community that combines tradition with innovation.

The Faculty plays a key role in training the next generation of pharmacists, researchers, and healthcare professionals, with a strong emphasis on both scientific excellence and practical competence. Offering Bachelor's, Master's, and PhD programs in Hungarian, English, and German, the Faculty attracts students from all over the world.

Its curriculum is continuously updated to reflect the latest scientific advances and industry needs, covering key areas such as drug development, pharmaceutical technology, quality assurance, and regulatory science.

Graduates of the Faculty are highly sought after in both the pharmaceutical industry and academic research, in Hungary and internationally.





Address: 1092 Budapest, Hőgyes Endre utca 7-9.

The Faculty is structured around six academic departments, each actively involved in cutting-edge research projects, in successful product development and approval, often in collaboration with leading pharmaceutical companies and research institutions.

Students benefit from modern laboratory infrastructure, research-driven education, and close interaction with experienced professionals.

Semmelweis University's Faculty of Pharmaceutical Sciences is ranked among the top 250 universities globally in the field of pharmacy (QS World University Rankings), a recognition of its long-standing commitment to high-quality education, research, and innovation.

Read more

Structure and topics

Pharmaceutical Sciences Summer School

Theoretical Components

Introduction to modern drug discovery and molecule design.

Physicochemical characterization of drug molecules.

Pharmaceutical chemistry and analytical methods.

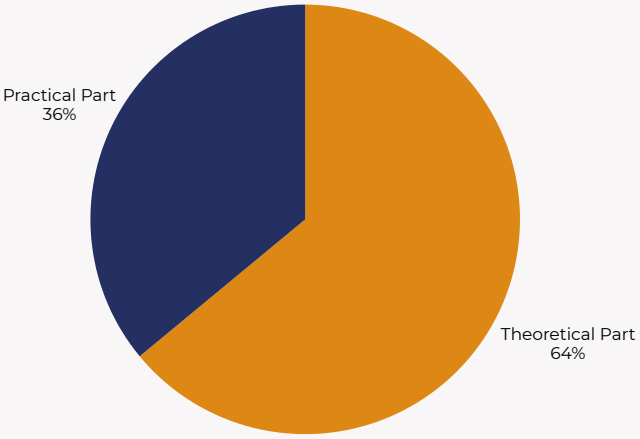
Quality control of drug products

Dosage form development and classification.

Clinical pharmacy, pharmaceutical care.

Industrial pharmacy: innovation, regulation, and quality assurance.

Trends and future perspectives in pharmaceutical sciences.



Practical Components

Measurement of physicochemical parameters in lab setting.

HPLC analysis of multi-component pharmaceutical preparations.

Hands-on experience with unit operations (e.g. drying, filtration).

Laboratory exercises in formulation and pharmaceutical technology

Quality control practices in a simulated lab environment.

Guided visit to a pharmaceutical factory



Structure and topics

Pharmaceutical Sciences Summer School





Course/Subject	Lectures (hours)	Practices (hours)
Pharmaceutics: Pharmaceutical Technology, Industrial Pharmacy, Products of Veterinary Medicine, Biological Drugs, Clinical Pharmacokinetics and Biopharmacy	20	15
University Pharmacy-Department of Pharmacy Administration: Pharmaceutical Communication and Integrated Consulting, Pharmaceutical Care, Pharmaceutical management, Clinical Pharmaceutics, Pharmacy Administration	8	7
Pharmaceutical and Medicinal Chemisty: Pharmaceutical Chemistry and Analysis, Quality Control and Analysis of Drug Products	6	6
Pharmacodynamics: Statistics for Pharmacists	7	1
Pharmacognosy: Pharmaceutical Botany, Phytotherapy, Pharmacognosy	8	-
Organic Chemistry: Drug Discovery and Molecule Design	2	-

WHAT WE OFFER
Pharmaceutical Sciences Summer School

SUMMER SCHOOL

From January, 2027
Application

April, 2027
Application deadline

July, 2027
Start of the Program

TARGET AUDIENCE

This program is intended for **international pharmacy students (at Bachelor's or Master's level), recent graduates, and early-career professionals** with a strong interest in pharmaceutical sciences, drug development, and laboratory-based training.

A good command of English and an understanding of pharmaceutical or life sciences is required for active participation.

PARTICIPANTS LIMIT

The program will be organized with a minimum of **10** participants.

The limit of the participants is **30**.

STUDY LOAD

The program includes both **lectures and practical sessions**, scheduled on weekdays. The average weekly study load is **40 academic hours**.

TUITION FEE

Tuition fee: USD 1250 / participant

The tuition fee includes administration and delivery for all participants. Lecturers, site visits, coffee breaks, transportation to clinics is included.

The tuition fee **does not include** travel, accommodation, medical insurance, catering and other personal living costs during the program.

WHO WE ARE
About Semmelweis University



SEMMELWEIS UNIVERSITY IN WORLD RANKINGS

Times Higher Education (2027):
247th

Shanghai Ranking (2026):
· Pharmacy & Pharmaceutical Sciences: **44th**
· Clinical Medicine: **151-200th**

US News Best Global Universities (2027):
· Cardiac and Cardiovascular Systems: **38th**

EDUCATION, RESEARCH AND HEALTHCARE



Semmelweis University was **founded in 1769**, more than 250 years ago. Today Semmelweis University is one of **the leading medical higher education institutions**, **healthcare providers,** and centers of research excellence in Hungary and Central Europe.

With its six faculties and a Doctoral School, the University covers all aspects of medical and health sciences education, offering a wide range of programs from undergraduate to doctorate level in three languages: Hungarian, English and German.

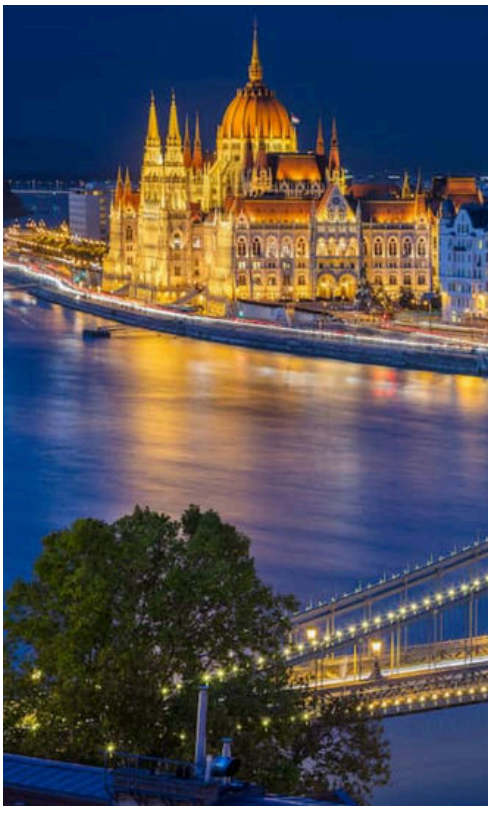
International students from around the world choose Semmelweis University to acquire hands-on, competitive knowledge from distinguished professors in an environment equipped with state-of-the-art technology.

Semmelweis University is widely known for its strong emphasis on a balanced ratio of **theoretical knowledge and practical skill development in the field of medicine and health sciences.**

More than 40 patient care units provide a perfect place for students to the development of their practical skills, enabling them to become future-proof health professionals.

The international **short courses and intensive training programs** provide a unique opportunity for students and professionals to get an insight into Semmelweis University's international education, scientific and patient care activities, and also gain valuable professional and cultural experiences.

We are looking forward to welcoming international students for our short courses and training programs in Budapest, Hungary!



Dr. Tamás Hegedüs
Director of International Relations and Alumni Affairs

Find out more about Semmelweis University here.

WHERE WE ARE
Discover Budapest



Exploring the city and participating in its cultural and social life can greatly enrich visitors' experience in Budapest.

www.visithungary.com/budapest

Budapest is one of the most beautiful capitals of Europe with many spectacular and exciting activities for visitors. Budapest offers a vibrant and diverse range of activities for international visitors to enjoy during their free time.

Explore Historic Sites!

Budapest is rich in history and architecture. Visit landmarks such as Buda Castle, Fisherman's Bastion, Matthias Church, and the Hungarian Parliament Building to learn about the city's heritage.

Relax in Thermal Baths!

Spend a day relaxing in one of Budapest's famous thermal baths, such as Széchenyi Thermal Bath or Gellért Thermal Bath. It's a great way to unwind and socialize with locals and fellow students.

Take a Danube River Cruise!

Enjoy stunning views of the city from the Danube River. Many companies offer river cruises, some with dinner and live music, providing a unique perspective of Budapest's landmarks.

Visit Museums and Galleries!

Explore Budapest's vibrant art and culture scene by visiting museums like the Hungarian National Museum, Ludwig Museum of Contemporary Art, and the Museum of Fine Arts.

Experience the Nightlife!

Budapest has a lively nightlife with numerous bars, clubs, and ruin pubs. Head to the District VII area (the Jewish Quarter) for a unique nightlife experience.



Taste the Hungarian Cuisine!

Try traditional Hungarian dishes like beef goulash, lecsó, lángos, pancakes, chimney cake at local restaurants and street food vendors. There are plenty of nice restaurants around the university and in the city center in different price ranges.

Go for a Day Trip!

Explore nearby destinations, such as the charming towns of Szentendre and Visegrád, or the Etyek wine region. These make for excellent day trips from Budapest. Balaton, the biggest lake of Hungary is about 1,5 hours away but definitely worth the time!



Enjoy Outdoor Activities!

Take advantage of Budapest's parks and outdoor spaces. Margaret Island, City Park (Városliget), and the Buda Hills offer opportunities for jogging, picnicking, and hiking.

Shop in Local Markets!

Shop in Local Markets: Visit the Great Market Hall (Nagyvásárcsarnok) located in walking distance from the central building of Semmelweis University to buy local food products, spices, and souvenirs. It's also an excellent place to try Hungarian street food.

TERMS AND CONDITIONS
Summary

SERVICES, TERMS & CONDITIONS

The Directorate of International Relations provides the following services related to Semmelweis Short Programs:

- Preparation of proposals for academic exchange Programs
- Invitation letter if required
- Overall coordination of Program design and delivery with the executing Faculties and Departments
- Communication with Faculties and Departments providing the exchange Program
- Registration of participating students in the university's e-learning system (Moodle) if required
- Coordination and potential guidance of participants in Budapest
- Preparation of Certificate of Program Completion
- Reference letters or recommendation letters for outstanding participants

Tuition fee:

The tuition fee includes the above-detailed costs of the program. The tuition fee does not include travel, accommodation, medical insurance, catering and other personal living costs of the participants during the training.

Tuition fee payment conditions:

The tuition fee shall be paid by bank transfer based on an invoice issued by Semmelweis University. Full payment by the deadline indicated on the invoice is required for participation in the Program.

If the Participant, Ordering Party or Partner cancels the Program or fails to provide the agreed Participants, the amount already paid is non-refundable, unless otherwise agreed in writing. The University may credit the amount toward a future international short Program.

If the University cancels the Program before its commencement, the tuition fee already paid shall be refunded to the Paying Party, subject to the provision of the necessary billing and banking details.

Refunds do not cover travel, accommodation, visa, insurance or other third-party costs.

Obligation of Confidentiality

The recipient of the Proposal shall treat as confidential all non-public information, documents, professional materials and other confidential information received from Semmelweis University in connection with the Program.

Such information shall not be disclosed to any third party or used for purposes unrelated to the Program without the prior written consent of Semmelweis University, unless disclosure is required by applicable law.

The confidentiality obligation shall continue to apply after completion or cancellation of the Program.

JOIN THE PROGRAM
Application & Registration

APPLICATION PROCESS

1. APPLICATION

- Interested participants should submit their application form to Semmelweis University's Directory of International Relations by the specified deadline.
- The application form should include participant's personal details.

Application deadline*: At least two months prior to the program

2. BOOKING

- Upon sending the booking confirmation, the University will provide a contract for signing.
- After the contract, the university will issue the tuition fee invoice.

Booking deadline: One month prior to the program

3. PAYMENT

- The total tuition fee must be paid at least 2 weeks prior to program start after receiving a confirmed registration and an invoice issued by the University.
- Other Terms and Conditions are listed above and in the Agreement of Academic Programs.

Payment deadline: at least 2 weeks prior program start

*Deadlines are subject to change based on further discussions with the partner. The rcommended starting time for the program is July.

SEMMELWEIS
INTERNATIONAL
RELATIONS | MOBILITY | PROGRAMS

CONTACT

Semmelweis University
Directorate of International Relations and Alumni Affairs

Dr. Tamás Hegedüs, Director
Levente Vágó, Deputy Director, Program Manager
Laura Ződi, Program Coordinator

H-1085 Budapest, Üllői út 26. Ground Floor / II.

shortprograms@semmelweis.hu

Find more information about the Directorate **HERE**.