



University of Szeged

Faculty of Medicine

Faculty of Dentistry

Faculty of Pharmacy

Szeged, Hungary



The University of Szeged is proud to be listed as one of the Top Universities according to the Academic Ranking of World Universities in six consecutive years (2003–2008).

Doctor of Medicine
Doctor of Dental Medicine
Master of Pharmacy
Preparatory Course

ENGLISH LANGUAGE PROGRAMS
Admission and Academic Bulletin

Albert Szent-Györgyi



Nobel Prize in Physiology or Medicine

2009/2010

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Local Representative



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Vice Rector for Scientific and International Relations	Prof. Imre DÉKÁNY
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Foreign Students' Secretariat

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Educational Advisor	Prof. Botond PENKE, D.Chem., Ph.D., D.Sc., Corresponding member of the Hungarian Academy of Sciences
Advisor on housing affairs	Prof. Gábor TÓTH, Ph.D., D.Sc.
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Student Services Center (Entrance examinations abroad)

Student Services Center	College International
<i>Mail:</i>	H-1406 Budapest 76, P.O. Box 51, Hungary
<i>Address:</i>	H-1071 Budapest, VII. Bethlen Gábor tér 2, Hungary
<i>Phone:</i>	(36-1) 413-3014, 413-3015
<i>Fax:</i>	(36-1) 413-3030
<i>E-mail:</i>	info@studyhungary.hu
<i>Home Page:</i>	www.studyhungary.hu

General Information

Szeged – a University Town by the River Tisza

Szeged – a traditional university town with 30,000 students – is located 175 km south of Budapest. Szeged is conveniently accessible from Budapest by a 2.5-hour Intercity train journey. The second biggest river in Hungary, the Tisza provides a beautiful setting for the Hungarian “City of Sunshine”.

The University of Szeged is 427 years old 1581–2008

Before the 12th century, intellectual and scholarly life concentrated in the monasteries. With the growing professionalisation of society in the 12th and 13th centuries, the demand increased for educated professionals. Universities appeared in Europe from the 11th–12th century. The end of the Middle Ages signalled the arrival of modern universities where teaching and research met.

In **1581**, following the establishment of universities in other regions of Central and Eastern Europe, *István Báthory*, the Prince of Transylvania, issued the founding document for a higher educational institute in Kolozsvár (Cluj-Napoca). The Jesuit Academy (*Societatis Jesu Academia Claudiopolitana*) was organized with two faculties, the Faculty of Philosophy and the Faculty of Theology. The academy was meant to have the rank of a university from the beginning. Prince Báthory endowed the institute with the right to confer baccalaureate and master’s degrees on its students. At that time the university held a unique place in the intellectual life of Hungary; it was the only institute for higher education in Hungary.

The academy was soon closed due to religious and political turmoil, but in the 17th century the

Jesuits re-established it and the institute gained more stability and prestige.

From **1753**, according to a decree passed by the Holy Roman Empress and Queen of Hungary and Bohemia, *Maria Theresia*, the institute functioned as a university, where teaching was carried out in German. The Empress was one of the most significant proponents of enlightened absolutism; her educational reforms were highly lauded. The year **1774** saw not only the introduction of mandatory education but also the start of changes for the University of Kolozsvár. After the Society of Jesus had been abolished, Maria Theresia entrusted the *Piarists* with the reorganization of the institute. As a result of the restructuring – in addition to the Faculties of Theology and Arts – two new faculties were established, the Faculty of Law (1774) and the Faculty of Medicine-Surgery (**1775**).

Later on these faculties served as the basis for the *Hungarian Royal University of Kolozsvár*, which was founded by King *Francis Joseph I* and the Hungarian Parliament in **1872**. In **1881**, the university was renamed after the king and bore his name until 1940.

In 1919, the university had to leave its founding place and after a brief stay in Budapest, found new home in Szeged. From **1921** until 1940 the *Ferenc József Tudományegyetem* (Francis Joseph University) gained more and more prestige. When in **1940** the university was divided and part of it moved back to Kolozsvár, the remaining staff and students, the laboratories and the library were reorganized. The university took the name of *Miklós Horthy*, who was a former Governor of Hungary. The first rector of this institute was *Albert Szent-Györgyi*, who received the most prestigious award of sciences in 1937, the Nobel Prize, for his research conducted at the university.

After World War II the institute was named University of Szeged. In **1951** the Faculty of Medicine formed an independent institution under the name *Medical University of Szeged*. Pharmaceutical education was started as an independent faculty (separate from the Medical University) in **1957**, and the Division of Dentistry as part of the Faculty of Medicine in **1962**. The English Language Program for foreign students was established in **1985**. In **1999** the Faculty of Medicine launched its German Language Program.

In **1987** the University was renamed after its former Biochemistry Professor, Dean of the Faculty of Medicine, Rector, and Nobel Laureate, Albert Szent-Györgyi who was first to isolate vitamin C, extracted from paprika.

In **2000** the Albert Szent-Györgyi Medical University became again an integrated part of the University of Szeged. The Faculty of Medicine and the Faculty of Pharmacy functioned as the *Albert Szent-Györgyi Medical and Pharmaceutical Center* until July 2007. The Faculty of Dentistry was founded in January **2007**.

The medical faculties obtain their basis for education by running high-level clinical and research work. The task of the faculties is represented by three different fields: education, research-work, prevention-treatment.

The University of Szeged is one of the most distinguished universities in Hungary and is proud to be considered as the intellectual successor of the University of Kolozsvár founded in 1581.

Facts and Figures

Number of students in the Foreign Language Programs

In the academic year 2008/2009 there are around 650 international students at the Faculty of Medicine (English and German Program), 100 at the Faculty of Dentistry, 70 at the Faculty of Pharmacy and around 80 in the Preparatory courses.

University Libraries

In December 2004 a 14,684 m² new building for the Main University Library was opened. At present the Library has more than 1.8 million books, periodicals, manuscripts, microfilms and other documents, out of which there are about 138,000 items related to the medical field. The reading rooms of the library are spread out on 4 floors and are equipped with an open access collection of 350,000 volumes. The reading rooms are furnished with 1000 seats and approx. 300 computers with Internet access. This is the largest library in Central Eastern Europe. The building itself also functions as a conference center. It is the largest conference center in the region that hosts national and international conferences, exhibitions and other programs. It has more than 1300 seats in 6 halls, a theatre-hall with 700 seats, a video-conference room and an exhibition-hall on more than 200 m². For further information please check the library's website: www.bibl.u-szeged.hu/index-ang.html.

University Hospital

The University Clinics with 1,200 beds form one of the regional medical centers in Hungary. The institution maintains high standards with sophisticated equipment and highly competent medical staff assuring superior therapy and training. Areas of study and major research efforts include endocrinology, immunology, cardiovascular system, neurobiology, gastroenterology, perinatal and pediatric diseases, nuclear medicine, etc.

As an indication of the impact of research conducted at the University of Szeged biomedical and clinico-pharmacological scientists are cited frequently in the scientific literature.

Clinically oriented courses on various subjects are organized periodically. Special Ph.D. programs are arranged, along with individual post-graduate training for Hungarian and foreign colleagues.

Accreditation and International Recognition of the Degrees

The medical and pharmaceutical programs of the University of Szeged were accredited by the Hungarian Accreditation Board in 1998. The accreditation was renewed in the year 2005. The medical school is listed in the directory of the World Health Organization. The medical program fulfilled all the criteria of a visiting committee of the New York State Educational Department in April 2002.

In 2005 it was certified by SGS (Société Générale de Surveillance – the world's leading inspection, verification and certification company) that the healthcare system of the Albert Szent-Györgyi Medical and Pharmaceutical Center meets the requirements of the ISO 9001:2000 and KES 2.0 standards.

In a university survey published in 2002 by UnivPRESS, the University of Szeged was ranked first among the Hungarian medical universities on the basis of the value and marketability of the training and the degree received in Szeged.

The Faculty of Medicine and the Faculty of Pharmacy have been awarded the title Center of Excellence (for the period between the years 2006–2011) by the Hungarian Accreditation Committee.

The Faculty of Medicine is proud that its academic achievements have also been recognized by the State of California. Due to the accreditation, which was granted in September 2003, English-program students can now participate in clinical clerkships in approved California training sites. Graduates of the English program can also take part in postgraduate training programs in California and become licensed in California, provided all licensing requirements are satisfied.

According to a survey conducted by Shanghai Jiao Tong University Institute of Higher Education (in six consecutive years: 2003–2008) the University of Szeged is listed among the Top European and Top World Universities.

If you would like to find out more about the survey go to: <http://ed.sjtu.edu.cn/ranking.htm>

International Programs

The English language Program offered for foreign students at the Faculty of Medicine and the Faculty of Pharmacy started in the academic year 1985/86 and 1986/87 respectively. In 1999 a German-language medical program was also introduced for the first two years. In the academic year 2004/05 the English language dental medicine program was launched. Except for the language of instruction, the curricula for medical, pharmacy and dental medicine students correspond in subjects and duration with those for the Hungarian students.

Medical program

The program covers 6 years, that is, 12 semesters. The 11th and 12th semesters constitute the clerkship year. For proper accomplishment of the clinical practice good working knowledge of the Hungarian language is necessary. Medical students take part in the work of the clinical departments and the training hospitals during the third, fourth, fifth, and sixth years of the curriculum. Studies are concluded by a State Board Examination. Our degrees are accepted in several countries of the world. Graduates are entitled to apply for hospital residency places worldwide, **citizens of the EU and EEC will receive their license automatically within the Community**, furthermore all graduates are entitled to participate in the US Medical Licensing Examination (USMLE).

Dental Medicine program

The program covers 5 years, that is, 10 semesters. After the successful completion of the State Board Examination candidates are awarded the title Doctor Medicinae Dentaire (dentist; D.M.D.).

Pharmacy program

The program covers 5 years, that is, 10 semesters. At the conclusion of the program (State Board Examination), a Master's Degree is granted for those who have met the requirements of the training. Pharmacy students have to accomplish practices in pharmacies during summers and the last term.

B.Sc./M.D. program – Anatomy Summer Course

The tradition and teaching experience of 82 years concentrated in a 2 weeks' long intensive gross anatomy workshop, using the world-famous human anatomy preparations of the Gellért Museum in Szeged.

Precondition for participation in the course:

B.Sc. Degree in Natural, Life, Biomedical or Neuro Sciences

Aim: To revise the clinically most important gross anatomy knowledge in order to get admission to the second year medical course.

Schedule: Gross anatomy practicals every day (except Sunday) from 9 am to 6 pm. Dissection and demonstration sessions tutored by the senior medical staff of the Department. Short seminars supplying the necessary theoretical knowledge, and histological background for gross anatomy.

Time: Mid-August 2009

Place: University of Szeged – Anatomy Department

For more information contact the Foreign Students' Secretariat or see the website.

Preparatory Courses

These English and German language courses are organized for students who require additional instruction or review in basic sciences and English language to prepare for the entrance examination for the regular degree programs of the University. Completion of these courses does not imply or assure admission to the degree programs at the University of Szeged, but it improves the chance of passing the entrance examination at the end of the course. Progress is checked on a regular basis. The language of the courses is English or German. Subjects taught are Biology, Chemistry, Chemical Calculations, Physics, Medical English and Hungarian language. The duration of the course is eight months, starting in the first week of October. Approx. 40 students can be accepted to the Preparatory Courses.

According to a governmental regulation Preparatory Course students are entitled to receive student cards from the academic year 2006/2007. The student card provides the following discounts:

- 50% discount on trains and buses within Hungary
- cheaper student pass for local transport
- discounts at local shops
- cheaper fares at certain taxi companies

For more information contact the Foreign Students' Secretariat or see the website.

Statement of Non-Discrimination

The University does not discriminate on the basis of age, race, color, national or ethnic origin, religion, sex, marital status or handicap.

Application and Admission Requirements

(Medical, Dentistry, Pharmacy and Preparatory Course Programs)

Application Requirements

Applications are accepted from graduates of accredited high schools or colleges/universities. Both oral and written competence in English language is part of the entry requirements for the University. Applicants who have studied Biology, Chemistry (General, Inorganic, Organic) and Physics in high school enjoy preference.

Holders of the following degrees can be exempted from sitting for the entrance examination:

1. International Baccalaureate

Applicants have to have achieved a grade of at least 5 in the following subjects:

- English
- 2 Natural Sciences subjects (Biology, Chemistry or Physics)

2. GCE (General Certificate of Education) A or A+ level with a result of at least B+ in 3 Natural Sciences subjects

3. B. Sc. Degree in Natural, Biomedical, Life Sciences, Chemistry, Biology

Competence in English Language is also an admission requirement. TOEFL test results (in case you wish to be exempted from sitting for the entrance examination based on previous studies or you would like to apply primarily to the Preparatory Course) are requested to be presented. Please use the code number 5231 at the TOEFL test when indicating your institution as a score recipient.

Special consideration will be given to those applicants who have been recommended by former graduates of the University.

Transfer from other Universities

Students who have successfully pursued medical, dental medicine or pharmaceutical studies at other accredited universities can apply for admission

without being obliged to take an entrance examination. Subjects of previous studies identical or similar (at least 75%) to the curriculum of the University of Szeged can be approved, meaning that admission to an upper year might be possible. Approval for admission of transfer students is the competence of the Program Director and the Academic Board of the Faculties.

Deadline for Application

The deadline for application is June 30, 2009. Applicants are asked to apply as early as possible. Please note that places are offered on a first come first served basis. If you fail to fulfill the requirements your admission will be suspended and you will be registered on the waiting list. Late applicants are considered based on place availability.

Application Procedures

Applications should be sent to your local representative (see the list of representatives at <http://www.studyhungary.hu>) or if there isn't any in your country, to the

Foreign Students' Secretariat

Dóm tér 12., Szeged 6720 Hungary

Tel: +36-62-545-458 Fax: +36-62-545-028

E-mail: english.program@medea.szote.u-szeged.hu

The application form can also be sent online (check the Secretariat's website for details). In this case the Secretariat will forward your application to the representative concerned, who will contact you. The hard copy of the application (filled out application form and the rest of the items requested) has to be sent to the representative.

Please note that all the documents can be accepted only in English, furthermore all the transcripts and high school diplomas have to be at-

tested copies in English language or certificates with an authorized English translation.

The following documents have to be submitted:

1. Filled out and signed **Application Form**.
2. **School Leaving Certificate** from an accredited high school/senior secondary school and certificates listing all the subjects you have taken and the grades you have achieved.

Transfer students also have to submit their official academic records and course descriptions. These documents should be sent to us directly by the universities concerned.

3. **Curriculum Vitae** – a sample can be downloaded from the Secretariat's website.
4. **One recent photo** (passport size) – to be stucked onto the Application Form
5. **Medical Certificate** – the form can be downloaded from the Secretariat's website.
6. **USD 200 Application Fee** (non-refundable) is payable to your local representative. If there is no such, then directly to the University.

Payments have to be made to the following bank account. **Magyar Külkereskedelmi Bank Nyrt., H-6720 Szeged, Kölcsey u. 8., Hungary, International account No.: HU14-1030-0002-6610-3177-2700-4013. Swift code: MKKB HUHB**

7. **Photocopy of your passport.** (The validity of which has to exceed that of the requested visa by at least 3 months)
8. **TOEFL test results** (in case you wish to be exempted from sitting for the entrance examination based on previous studies or you would like to apply primarily to the Preparatory Course). Please use the code number 5231 at the TOEFL test when indicating your institution as a score recipient.

Entrance Examinations

Entrance examinations are held between February and July in Hungary and at different locations in Europe, Asia, Africa and the United States. De-

tailed information regarding the entrance examination will be sent after the receipt of the application. If the entrance exam is taken in the applicant's home country, information about examination will be given by the representative concerned. The applicants are allowed to participate in a maximum of two examinations during one application period. The exam consists of a written and an oral part.

300 USD Examination Fee is to be paid if the examination takes place in Szeged. In case of transfer students (when the student is subject to take an evaluation examination), the examination fee is 200 USD per subject. An unsuccessful evaluation exam cannot be repeated. In case the entrance examination takes place in the home country of the applicant, information about Application and Examination Fee will be given by the representative.

After Acceptance

If you got admitted to one of our programs you will receive a **Letter of Admission** and a **Welcome Package** which contains useful information regarding your studies and your stay in Hungary. The documents will be sent to you first as an e-mail attachment. The hard copy will be mailed to you either by your representative or directly by our University.

This is what you have to do after having received the Letter of Admission:

1. Send us the filled out and signed Proof of Enrollment and Student Payment Agreement.
2. Transfer the deposit or tuition fee (provided in your letter) to the University's bank account.
3. Submit the missing application documents (if any).

Should you fail to fulfill the above requirements till the deadline indicated in your Letter of Admission, your admission will be suspended and you will be registered on the waiting list.

Entrance Examination Topics

Physics

- Describing motion (distance, speed and acceleration)
- Newton's laws of motion
- Scalar and vector quantities
- Mechanical work, kinetic and potential energy
- Elastic and inelastic collisions, conservation of linear momentum
- Uniform circular motion, centripetal force
- Mechanical advantage, simple mechanical tools (the inclined plane, the screw, the pulley)
- Pressure in fluids (Pascal's principle), Archimedes' principle, The hydraulic press
- Harmonic motion, Hooke's law
- Wave motion, longitudinal and transverse waves, resonance
- Kinetic theory of gases, the temperature
- The first and second laws of thermodynamics
- The electric field, Coulomb's law
- The electric current, Ohm's law
- Simple electric circuits. Kirchoff's laws
- Electromagnetic induction, the transformer
- Propagation of light, reflection and refraction, optical lenses mirrors
- The structure of atoms, the electron shell and the atomic nucleus
- X-rays
- Radioactivity

Textbook

Modern technical Physics by Arthur Beiser, publisher: Benjamin-Cummings Publishing Company 4th edition, (January 1983), ISBN: 080530682X

Chemistry

General Chemistry

- Atomic theory. Classification of matter. Elements and compounds
- Basic terms: atomic and mass numbers, isotopes, the mole concept, atomic and molar masses
- Basic structure of atoms. Electronic structure of atoms: quantum numbers and atomic orbitals
- The periodic table. Periodic properties
- Chemical bonding: ionic, covalent and metallic bonding
- Intermolecular forces
- Naming of molecular and ionic substances
- States of matter; changes of state. Properties of gases and liquids
- Properties of solids. Types of crystal lattice
- Lewis structures. Geometry of molecules
- Solutions, solubility. Ways of expressing concentration
- Chemical reactions: types of inorganic chemical reactions. Stoichiometry
- Chemical reactions: rate of chemical reactions. Catalysts
- Thermochemistry. Heat of chemical reactions. Hess's law
- Chemical equilibrium. Law of mass action
- Acids and bases. The pH
- Electrochemistry: electrode potential, electrochemical cells
- Electrolysis

Inorganic Chemistry

- Non-metals
- Metals
- d-Block elements

Organic Chemistry

- Properties of carbon. Functional groups. Types of organic chemical reactions
- Alkanes. Alkyl groups
- Alkenes and alkynes
- Aromatic hydrocarbons
- Alkyl halides
- Alcohols
- Ethers and phenols
- Aldehydes and ketones
- Carboxylic acids. Substituted carboxylic acids
- Amines
- Heterocyclic compounds
- Stereochemistry. Isomerism. Optical activity
- Carbohydrates. Conformation of monosaccharides
- Monosaccharides, disaccharides and oligosaccharides

- Amino acids, peptides and proteins
- Carboxylic acid derivatives. Lipids
- Nucleic acids

Textbook

McMurry, J., Fay, R.C.: Chemistry, 4th edition, Ed.: Prentice-Hall International, Inc., Englewood Cliffs, New Jersey, 07458, 2001

Biology

1. The Living World

- Classification
- Levels of organization

2. Cell Biology

- Chemical Components of a Cell
- Elements and inorganic compounds
- Lipids, carbohydrates, proteins and nucleic acids colloidal systems
- Cellular Metabolism
- Enzymes
- Energy production in glycolysis, Krebs cycle and terminal oxidation Photosynthesizes
- The biosynthesis of lipids, carbohydrates, proteins and nucleic acids
- Cellular Ultrastructure (Organelles), Cellular physiology, Membrane transport
- Endocytosis and exostosis
- The action potential cellular movements

3. Organic Biology

- Nutrition
- Respiration
- Excretion
- Circulation Locomotion
- Reproduction
- Sexual an asexual reproduction growth and development
- Regulation
- Homeostasis and regulation by hormones
- Nervous regulation
- The nervous system
- The synapse and neurotransmitters
- Autonomic nervous system
- The spinal cord
- The brain
- Memory and sleep

- Perception
- Receptors and perceptive organs
- The evolution of the systems listed above
- Structure and function of the corresponding human-organs
- Animal behavior
- Innate and learned behavior

4. The Environment

- Ecology, ecosystems
- Food chains, limiting factors, cycles in nature
- Populations and communities

5. Genetics

- Molecular genetics
- Properties of the genetic material
- Mutation, recombination
- The genetic code
- The operon
- Classical genetics
- Modes of inheritance (discontinuous traits)
- Linkage
- Sex chromosomes
- Continuous traits genetic counselling

6. Evolution

- Population genetics
- Chemical and biological evolution
- Human evolution

Textbook

John H. Postlethwait and Janet L. Hopson: The Nature of Life 3rd edition. McGraw-Hill, Inc. 1995. ISBN 0-07-113600-2

Useful websites for students studying

Molecular and cell biology

- <http://www.cellbio.com>
- <http://www.cellbioed.org>
- <http://www.cellsalive.com>
- <http://www.bioanim.com>
- http://www.steve.gb.com/science/cell_biology.html

Useful websites for students studying

Genetics

- <http://www.doegenomes.org>
- <http://www.KoshlandScienceMuseum.org>
- <http://www.synapses.co.uk/genetics>
- <http://www.clcbio.com>

After Acceptance

Welcome Package

The University of Szeged welcomes all international students wishing to study in Hungary.

A Welcome Package will be automatically sent to you after acceptance in order to insure your safe arrival and a smooth adaptation to your new environment. The Welcome Package includes all the necessary information on services regarding visa, transfer to Szeged, arrangement of temporary and final accommodation, purchase and order of textbooks, health insurance.

For arrangement of flight tickets contact your local representative.

The Foreign Students' Secretariat also provides help with the arrangement of temporary accommodation (booking rooms at hotels or guest houses).

Useful links

Hungary: www.fsz.bme.hu/hungary/homepage.html

Szeged: <http://www.szegedportal.hu>

Ministry of Foreign Affairs: <http://www.mfa.gov.hu>

Malév – Hungarian Airlines: <http://www.malev.hu>

Timetable of trains: <http://www.elvira.hu/>

University of Szeged: <http://www.u-szeged.hu>

Passport, visa and residence permit

Citizens of the EU/EEA member states and of the following countries may travel to Hungary without a visa: Andorra, Argentina, Australia, Brazil, Brunei, Canada, Chile, Costa Rica, Croatia, Guatemala, Holy See, Honduras, Hong Kong (the exemption applies only to holders of a "Hong Kong Special Administrative Region"), Iceland, Israel, Japan, Macao (the exemption applies only to holders of a "Regio Administrativa Especial de Macau" passport), Malaysia, Mexico, Monaco, New Zealand, Nicaragua, Norway, Panama, Paraguay, Salvador, San Marino, Singapore, South Korea, Switzerland, United States of America, Uruguay, Venezuela. However, 3–5 days after enter-

ing the country they need to contact the Immigration Office and apply for their residence permit.

Citizens of other states are required to have a visa which authorizes them to a single entry for receiving a residence permit and to stay for maximum 30 days in Hungary. When applying for a visa, students need a valid passport (the validity of which has to exceed that of the requested visa by at least three months). 3–5 days after entering the country they need to contact the Immigration Office and apply for their residence permit.

For details regarding the visa and downloading the application form visit: www.kulugyminiszterium.hu/kum/en/bal

Accommodation

The University offers hostel facilities for international students in one-, two- or three-person units equipped with kitchen and bathroom. The hostel accommodation is provided on a first come, first served basis. The monthly cost is USD 300–350.

Apartments for rent are also available for international students. The University will assist students in finding accommodation and signing the contract with the landlords.

Health Insurance

A general health insurance valid for Hungary is a requirement for registration for each semester at the University of Szeged. The Generali-Providencia Insurance Company offers students a health insurance policy. Medical care is provided by the University doctors. Conditions are available at registration. This insurance is valid only in Hungary.

Cost of Living

Cost of living (including board and lodging) in Szeged is about USD 600–700/month.

Required Textbooks

The list of textbooks can be downloaded from the University's website. Students can purchase the books in their home country or they have the opportunity to buy or order them in Hungary. To assist students' work, the University issues handouts.

Other Programs Offered

"Crash Course"

A two-week "crash course" is offered to students who were accepted to the University and who would like to get to know their new environment before school starts.

The Crash Course can be the precondition of admission to the first year Medical, Dental Medicine and Pharmacy Program. The course is a "revis-

ion course" in Biology, Chemistry and Physics and it also comprises visits to different destinations in the region, a campus tour, Szeged tour and cultural events.

The course is only offered if a sufficient number of students register. For the fee of the course please check our website: <http://www.szote.u-szeged.hu/angoltit>

Open Days

Open days are organized on request for a minimum number of 10 participants. For details please contact your local representative.

Individual visitors cannot be offered the opportunity to take part in a guided campus tour.

However, if you are coming to a visit and would like to meet one of our admission officers, please contact us in advance by e-mail or phone.

Fees and Costs

Faculty	Year	Tuition fee in USD			Additional fees in USD				
		1st semester fee	2nd semester fee	Total	Application fee ⁽²⁾	Entrance examination fee ⁽³⁾	Registration fee	Annual material fee	Summer practice if spent in Hungary
Medicine	1	7,500	5,000	12,500	200	300	220	-	500
	2-5	6,250	6,250	12,500	-	-	-	-	1,000 ⁽⁴⁾
	6			6,250 ⁽¹⁾	-	-	-	-	-
Dentistry	1	7,500	5,000	12,500	200	300	220	-	500
	2	6,250	6,250	12,500	-	-	-	-	600 ⁽⁵⁾
	3-5	6,250	6,250	12,500	-	-	-	1,500	600 ⁽⁶⁾ 800 ⁽⁷⁾
Pharmacy	1	5,700	3,800	9,500	200	300	220	-	-
	2-5	3,750	3,750	7,500	-	-	-	-	-

(1) The student is entitled to spend half of the sixth year practices at the University hospitals. If the student would like to accomplish more than half of the internships at the University, the fee has to be paid on a *pro rata* basis.

(2) If you apply only to the University of Szeged. In case of multiple applications, please contact your representative.

(3) If the examination takes place in Szeged. If the examination is taken at other locations, information about the Examination Fee will be given by the official representative. In case of transfer students who have to take an evaluation examination the examination fee is 200 USD per subject.

(4) Fee of Internal Medicine (after 3rd year) and Surgery (after 4th year)

(5) Fee of Odontotechnology (after 2nd year)

(6) Fee of Oral Surgery (after 3rd year)

(7) Fee of Basic Treatment in Dental Medicine (after 4th year)

Deadlines for Payment

Faculty of Medicine, Dentistry, Pharmacy

Year 1

1st semester: as indicated in the Letter of Admission

2nd semester: till February 15

Years 2–5(6)

1st semester: till September 15

2nd semester: till February 15

Mode of Payment

Payments have to be made to the following bank account: **Magyar Külkereskedelmi Bank Nyrt. (Hungarian Foreign Trade Bank) H-6720 Szeged, Kölcsey u. 8., Hungary, International account No. (USD): HU14-1030-0002-6610-3177-2700-4013, Swift code: MKKB HUHB**

Payments by certified cheques or cash are also acceptable.

Refund Policy

For details please see your Letter of Admission.

Cost of the Preparatory Course

Application fee:	EUR	200
Registration fee:	EUR	200
Tuition fee:	EUR	4,700*
1st semester	EUR	2,600
2nd semester	EUR	2,100

Payments have to be made to the following bank account: **Magyar Külkereskedelmi Bank Nyrt. (Hungarian Foreign Trade Bank) H-6720 Szeged, Kölcsey u. 8., Hungary, International account No. (EUR): HU14-1030-0002-6610-3177-2700-4886, Swift code: MKKB HUHB**

* *If you are inclined to pay the tuition fee in USD, please, transfer the fee at the current exchange rate to the USD bank account: Magyar Külkereskedelmi Bank Nyrt. (Hungarian Foreign Trade Bank) H-6720 Szeged, Kölcsey u. 8., Hungary, International account No. (USD): HU14-1030-0002-6610-3177-2700-4013, Swift code: MKKB HUHB*

Payments by certified cheques or cash are also acceptable.

Academic Calendar, Academic Policies, Curricula

Structure of Studies

Teaching is performed under the credit system in modules. Students have to fulfill all the requirements of a certain module in order to enter the next module. This means that a given number of credits has to be acquired and the **Criteria Subjects** have to be completed (*Physical Training, Summer practices, Hungarian Language*).

Required number of credits to be eligible to sit for the Final (State Board) Examination:

Doctor of Medicine 360 credits

Doctor of Dental Medicine 300 credits

Master of Pharmacy 300 credits

Students are provided a detailed suggested study plan on registration.

Types of Evaluation

Term Mark (gyakorlati jegy) – continuous testing of practical knowledge, 5-grade system

Qualification (3) (beszámoló [3]) – evaluation of the subject matter in 3-grade system

Evaluation (5) (beszámoló [5]) – evaluation of the subject matter of one semester in 5-grade system

Examination (kollokvium) – evaluation of the subject matter of one semester in 5-grade system

Comprehensive Exam (szigorlat) – evaluation of the subject of one, two or more semesters in 5-grade system

Grading System

Five-grade system

5 (jeles)	Excellent
4 (jó)	Good
3 (közepes)	Accepted
2 (elégséges)	Passed
1 (elégtelen)	Failed

Three-grade system

Kiválóan megfelelt	Highly met requirements
Megfelelt	Met requirements
Nem felelt meg	Not met requirements

Academic Calendar

Fall Semester: beginning of September 2009, through end of January 2010.

Spring Semester: beginning of February, 2010, through beginning of July, 2010.

Suggested Study Plans* at the Faculty of Medicine

First Year

Compulsory Subjects	1 st semester				2 nd semester			
	Weekly hours		Credits	Exam form	Weekly hours		Credits	Exam form
	Theory	Pract.			Theory	Pract.		
Anatomy, Histology and Embryology	2	5	7	Exam	2	5	7	Exam
Cell Biology and Molecular Genetics	2	2	6	Exam	2	2	6	Exam
Medical Chemistry	3	3	6	Exam	3	3	6	Exam
Medical Physics and Statistics	3	2	4	Exam	2	2	4	Exam
First Aid and Resuscitation	–	2	2	Eval(5)	–	–	–	–

Abbreviations: Exam – Examination, Eval(5) – Evaluation

Compulsory Elective Subjects: Basics in Molecular Biology, Bioinorganic Chemistry, Cytomorphology and Microtechnics, Developmental Genetics, Frontiers of Molecular Biology, Genetical Analysis, Introduction to Analytical Chemistry, Introduction to Chemistry, Introduction to Informatics, Introduction to Medicine, Introduction to Psychology, Modern Instrumental Analysis and Separation Methods, Neurocytology, Steric Structure of Biopolymers

Elective Subject: Latin Language

Criteria Subjects: Hungarian Language, Nursing Summer Practice, Physical Training

Second Year

Compulsory Subjects	1 st semester				2 nd semester			
	Weekly hours		Credits	Exam form	Weekly hours		Credits	Exam form
	Theory	Pract.			Theory	Pract.		
Anatomy, Histology and Embryology	2	5	8	Exam	2	5	8	ComEx
Biochemistry	3	2	6	Exam	4	2	6	ComEx
Medical Physiology	6	2	9	Exam	4	2	9	ComEx

Abbreviations: Exam – Examination, ComEx – Comprehensive Examination

Compulsory Elective Subjects: Biochemical Basics of Preventive Medicine, Cardiac Electrophysiology as a Basic Property of Cardiac Function, Medical Anthropology, Medical Physiology (Seminar), Medical Sociology, Molecular Cytology and Histology, Molecular Developmental Biology

Elective Subjects: Animal Experiments in Medicine, Behavioral Approach to Health Promotion, Mathematical and Statistical Modelling in Medicine

Criteria Subjects: Hungarian Language, Physical Training

Third Year

Compulsory Subjects	1 st semester				2 nd semester			
	Weekly hours		Credits	Exam form	Weekly hours		Credits	Exam form
	Theory	Pract.			Theory	Pract.		
Pathology	3	3	6	Exam	2	4	6	ComEx
Pathophysiology	2	2	5	Exam	3	2	5	ComEx
Microbiology and Immunology	3	2	5	Exam	3	2	5	ComEx
Internal Medicine	–	–	–	–	4	2	3	Exam
Clinical Diagnostics (Internal Medicine)	2	2	3	Exam	–	–	–	–
Clinical Diagnostics (Surgery)	–	–	–	–	2	2	3	Exam
Ethics in Medicine	–	–	–	–	1	2	2	Exam
Medical Psychology	–	–	–	–	1	1	2	TMark

Abbreviations: Exam – Examination, ComEx – Comprehensive Examination, TMark – Term Mark

Compulsory Elective Subjects: Basic Medical Skills, Gerontology, Introduction to ECG Analysis, Microbiological Problems in Medical Practice, Microsurgery, Molecular Medicine, Pathophysiological Aspects of Laboratory Medicine, Surgical Techniques

Elective Subjects: Advanced Medical Skills, Animal Experiments in Medicine, Basic Immunopathology, Cerebral Blood flow and Metabolism, Mathematical and Statistical Modeling in Medicine

Criteria Subjects: Hungarian Language, Internal Medicine Summer Practice, Physical Training

Fourth Year

Compulsory Subjects	1 st semester				2 nd semester			
	Weekly hours		Credits	Exam form	Weekly hours		Credits	Exam form
	Theory	Pract.			Theory	Pract.		
Anesthesiology and Oxyology	2	1	1	TMark	2	1	2	Exam
Orthopedics	2	2	3	Exam	–	–	–	–
Pharmacology	3	2	5	Exam	4	2	5	ComEx
Pulmonology	1	2	2	Exam	–	–	–	–
Radiology	1	1	2	Qual(3)	1	1	2	Exam
Surgery	2	2	3	Qual(3)	2	2	3	Exam
Obstetrics and Gynaecology	3	2	4	Exam	3	2	4	Qual(3)
Delivery-Room	total 3 days		–	S	–	–	–	–
Internal Medicine	4	2	5	Exam	5	2	5	Exam
Clinical Oncology	2	–	2	Exam	–	–	–	–
Medical Psychology	1	1	1	TMark	–	–	–	–

Abbreviations: TMark – Term Mark, Exam – Examination, ComEx – Comprehensive Examination, Qual(3) – Qualification (3), S – Signature

Compulsory Elective Subjects: Advanced Biostatistics, Basic Biostatistics, Cases in Medical Microbiology and Infectious Diseases, Child and Adolescent Psychiatry and Mentalhygiene, Clinical Immunology, Family Medicine, Health and Social Policy, Hungarian Language, Introduction to Health Economics, Laboratory Diagnostics in Clinical Practice, Medical Informatics, Microsurgery, Non-Conventional Medical Propedeutics, Nuclear Medicine, Pharmacology Cases, Pharmacotherapy, Physiotherapy, Rehabilitation, Rheumatology, Stomatology, Tropical Diseases

Elective Subjects: Animal Experiments in Medicine, Clinical Pharmacology, Global Perspectives of Modern Management of Acute Bleeding in Obstetrics, Modern Approach of the Gynecological Laparoscopy, Sexual Disorders-Gynecological Aspects

Criteria Subjects: Examination in Behavioural Sciences, Surgery Summer Practice, Physical Training

Fifth Year

Compulsory Subjects	1 st semester				2 nd semester			
	Weekly hours		Credits	Exam form	Weekly hours		Credits	Exam form
	Theory	Pract.			Theory	Pract.		
Dermatology	3	2	4	Exam	-	-	-	-
Forensic Medicine	1	2	3	Qual(3)	1	2	3	Exam
Internal Medicine – Cardiology, Hematology	2	-	3	Exam	-	-	-	-
Internal Medicine – Infectology Practice	-	2	0	S	-	-	-	-
Internal Medicine	-	-	-	-	2	total 16	3	Qual(3)
Neurology	1	2	3	Exam	1	1	2	Qual(3)
Ophthalmology	-	-	-	-	2	2	3	Exam
Oto-Rhino-Laryngology	2	3	4	Exam	-	-	-	-
Pediatrics	3	2	5	Exam	2	2	4	Qual(3)
Psychiatry	1	1	2	Qual(3)	2	1	3	Exam
Public Health	2	2	3	Exam	2	2	3	Exam
Surgery	1	1	2	Qual(3)	-	-	-	-
Traumatology	-	-	-	-	2	2	3	Exam
Urology	-	-	-	-	1	2	2	Exam

Abbreviations: Exam – Examination, Qual(3) – Qualification (3), S – Signature, TMark – Term Mark

Compulsory Elective Subjects: Advanced Biostatistics, Basic Biostatistics, Cases in Medical Microbiology and Infectious Diseases, Child and Adolescent Psychiatry and Mentalhygiene, Clinical Genetics, Clinical Immunology, Family Medicine, Health and Social Policy, Hungarian Language, Introduction to Health Economics, Laboratory Diagnostics in Clinical Practice, Medical Informatics, Microsurgery, Neurosurgery, Non-Conventional Medical Propedeutics, Nuclear Medicine, Pharmacology Cases, Pharmacotherapy, Physiotherapy, Rehabilitation, Rheumatology, Risk Analysis, Management and Communication, Stomatology, Tropical Diseases, Clinical Aspects of Mood Disorders

Elective Subjects: Animal Experiments in Medicine, Clinical Pharmacology, Global Perspectives of Modern Management of Acute Bleeding in Obstetrics, Modern Approach of the Gynecological Laparoscopy, Sexual Disorders-Gynecological Aspects, Biophysics of Hearing

Sixth Year

Compulsory Subjects	Practice	Exam form
Internal Medicine <i>including</i> General Practice	10 weeks 1 week	Comprehensive Examination
Surgery	7 weeks	Comprehensive Examination
Neurology	4 weeks	Comprehensive Examination
Psychiatry	4 weeks	Comprehensive Examination
Obstetrics and Gynaecology	4 weeks	Comprehensive Examination
Pediatrics <i>including</i> District Pediatric Consultation	8 weeks 1 week	Comprehensive Examination
Thesis	-	Defence

Suggested Study Plans* at the Faculty of Dentistry

First Year

Compulsory Subjects	1 st semester				2 nd semester			
	Weekly hours		Credits	Exam form	Weekly hours		Credits	Exam form
	Theory	Pract.			Theory	Pract.		
Anatomy, Histology and Embryology	2	5	6	Exam	2	5	6	Exam
Cell Biology and Molecular Genetics	2	2	3	Exam	2	2	4	Exam
Medical Physics and Statistics	3	2	3	Exam	2	2	4	Exam
Medical Chemistry	3	3	4	Exam	3	3	4	Exam
Dental Instruments	1	1	2	Eval(5)	–	–	–	–
Odontology	2	1	3	Exam	–	–	–	–
First Aid and Resuscitation	–	2	1	TMark	–	–	–	–

Abbreviations: Exam – Examination, Eval(5) – Evaluation, TMark – Term Mark

Compulsory Elective Subjects: Introduction to Medicine, Basics of Molecular Biology, Frontiers in Molecular Biology, Developmental Genetics, Genetical Analysis, Cytomorphology and Microtechnics, Introduction to Analytical Chemistry, Bioinorganic Chemistry, Introduction to Informatics, Communication in Dentistry, Neurocytology, Modern Instrumental Analysis and Separation Methods, Steric Structure of Biopolymers

Elective Subject: Latin Language

Criteria Subjects: Hungarian Language, Nursing Summer Practice, Physical Training

Second Year

Compulsory Subjects	1 st semester				2 nd semester			
	Weekly hours		Credits	Exam form	Weekly hours		Credits	Exam form
	Theory	Pract.			Theory	Pract.		
Anatomy, Histology and Embryology	2	5	7	Exam	2	5	7	ComEx
Biochemistry	3	2	5	Exam	4	2	6	Eval(5)
Medical Physiology	6	2	7	Exam	4	2	8	ComEx
Ethics in Medicine	1	1	1	Exam	–	–	–	–
Oral Biology	–	–	–	–	4	4	2	Exam
Medical Sociology	–	–	–	–	1	–	1	Exam
Medical Psychology	1	1	1	Exam	–	–	–	–

Abbreviations: Exam – Examination, ComEx – Comprehensive Examination, Eval(5) – Evaluation (5)

Compulsory Elective Subjects: Medical Physiology (Seminar), Medical Dental Materials and Technology, Molecular Cytology and Histology, Dental Anthropology, Molecular Developmental Biology, Medical Anthropology, Hungarian Language

Elective Subject: Mathematical and Statistical Modelling in Medicine

Criteria Subject: Physical Training

* subject to change

Third Year

Compulsory Subjects	1 st semester				2 nd semester			
	Weekly hours		Credits	Exam form	Weekly hours		Credits	Exam form
	Theory	Pract.			Theory	Pract.		
Pathophysiology	2	2	3	Exam	3	2	3	Exam
Pathology and Oral Pathology	3	2	4	Exam	2	2	3	Exam
Microbiology and Immunology	3	1	4	Exam	–	–	–	–
Pharmacology	2	1	2	Eval(5)	2	1	2	Exam
Oral Biology	1	1	3	Exam	–	–	–	–
Preclinical Course of Operative Dentistry	1	4	3	Eval(5)	1	4	3	Eval(5)
Preclinical Course of Prosthodontics	1	2	3	Eval(5)	1	4	3	Eval(5)
Preclinical Course of Oral Surgery	–	–	–	–	2	3	5	Exam
Preventive Dentistry	–	–	–	–	1	1	2	Exam
General and Dental Radiology	–	–	–	–	2	2	4	Exam

Abbreviations: Exam – Examination, Eval(5) – Evaluation (5)

Compulsory Elective Subjects: Surgical Techniques, Antimicrobial Chemotherapy, Preclinical Course of ECG Analysis, Microsurgery, Dental Paleopathology, Hungarian Language

Elective Subjects: Basic Medical Skills, Advanced Medical Skills, Basic Immunopathology

Criteria Subjects: Dentist-Patient Communication, Preclinical Course of Prosthodontics and Restorative Dentistry Examination, Oral Surgery Summer Practice

Fourth Year

Compulsory Subjects	1 st semester				2 nd semester			
	Weekly hours		Credits	Exam form	Weekly hours		Credits	Exam form
	Theory	Pract.			Theory	Pract.		
Internal Medicine	3	2	4	Exam	2	1	3	Exam
Operative Dentistry	1	6	3	Eval(5)	1	5	4	Exam
Endodontics	1	–	2	Exam	–	–	–	–
Prosthodontics	1	7	4	Eval(5)	1	7	5	Exam
Oral Surgery	–	3	2	TMark	–	3	2	Exam
Oral Medicine	2	1	4	Exam	1	2	3	Eval(5)
Infection Control in Dentistry	1	1	3	Exam	–	–	–	–
Dental Diagnostics and Treatment Planning	–	–	–	–	1	1	2	Eval(5)
Dental Biometry and Evaluation of Research Results	–	–	–	–	1	1	2	Exam
Pediatric Dentistry	–	–	–	–	1	2	3	Exam
Periodontology	–	–	–	–	1	2	4	Exam

Abbreviations: Exam – Examination, Eval(5) – Evaluation (5), TMark – Term Mark

Compulsory Elective Subjects: Advanced Imaging Techniques in Dentistry, Anaesthesiology and Intensive Therapy, Esthetic Dentistry, Dermatology, Neurology, Nuclear Medicine, Hungarian Language, Surgery, Obstetrics and Gynaecology, Dental Treatment of Elderly People and Patients with Special Needs, Communication in Dentistry

Elective Subject: Echocardiography, Modern Diagnostic and Therapeutic Approach of Hematology, Global Perspectives of Modern Management of Acute Bleeding in Obstetrics, Actual Problems in Obstetric Immunology, Sexual Disorders – Gynaecological Aspects, Modern Approach of the Gynaecological Laparoscopy, Arythmology, The Investigation of Male and Female Infertility and the Importance of Andrological Aspects, The Use of Gynaecological Endoscopy with Respect on Average and Special Applications, Gyneacological Endocrinology, Infertility, Communicative Experiences in Oncology

Criteria Subjects: Dentist-Patient Communication, Preclinical Course of Oral Surgery and Oral Medicine, Dental Summer Practice

Fifth Year

Compulsory Subjects	1 st semester				2 nd semester			
	Weekly hours		Credits	Exam form	Weekly hours		Credits	Exam form
	Theory	Pract.			Theory	Pract.		
In the General Clinical Modul								
Forensic Medicine	1	-	2	Exam	-	-	-	-
Medical Psychology	1	1	1	Exam	-	-	-	-
Medical Ethics	1	1	2	Exam	-	-	-	-
Public Health	1	-	1	Eval(5)	1	1	2	Exam
Ophthalmology	-	-	-	-	1	total 3	1	Exam
Pediatrics	2	total 7	2	Exam	-	-	-	-
Oto-Rhino-Laryngology	2	1	3	Exam	-	-	-	-
In the Dental Clinical Modul								
Prosthodontics	-	6	2	TMark	-	6	3	TMark
Operative Dentistry	-	4	2	TMark	-	6	3	TMark
Oral Surgery	2	4	6	Eval(5)	-	6	4	TMark
Pediatric Dentistry	1	4	3	Eval(5)	-	3	2	TMark
Orthodontics	1	2	3	Exam	1	2	4	Eval(5)
Periodontology	1	2	3	Eval(5)	1	2	4	Eval(5)
Dental Practice Management	2	-	3	Exam	-	-	-	-
Dental Implantology	-	-	-	-	2	-	2	Eval(5)

Abbreviations: Exam – Examination, Eval(5) – Evaluation (5), TMark – Term Mark

Compulsory Elective Subjects in the General Clinical Module: Psychiatry, Technical Foreign Language, Medical Informatics, Child and Adolescent Psychiatry, Micro-Surgery

Compulsory Elective Subjects in the Dental Clinical Module: Clinical reference lectures, Esthetic Dentistry, Pediatric Dental Traumatology, Oral Oncology, Oral Surgery Aspects of Dental Implantology

Criteria Subjects: Prosthodontics and Implantology, Operative Dentistry and Endodontics, Pediatric Dentistry and Orthodontics, Oral Surgery, Paradontology

Suggested Study Plans* at the Faculty of Pharmacy

First Year

Compulsory Subjects	1 st semester				2 nd semester			
	Weekly hours		Credits	Exam form	Weekly hours		Credits	Exam form
	Theory	Pract.			Theory	Pract.		
Physics-Biophysics	2	–	2	Exam	2	–	3	Exam
Physics-Biophysics	–	–	–	–	–	3	2	TMark
History of Pharmacy	2	–	2	Exam	–	–	–	–
Mathematics	2	–	3	Exam	–	–	–	–
Mathematics	–	2	2	TMark	–	–	–	–
Informatics	–	2	2	TMark	–	–	–	–
General Chemistry	2	–	3	Exam	–	–	–	–
General Chemistry	–	4	3	TMark	–	–	–	–
Pharmaceutical Biology	2	–	3	Exam	–	–	–	–
Pharmaceutical Biology	–	2	3	S	–	–	–	–
Anatomy	2	–	2	Exam	2	–	2	Exam
English Language	–	2	0	TMark	–	2	0	TMark
Latin Language	–	2	2	TMark	–	–	–	–
Hungarian Language	–	4	2	TMark	–	4	2	TMark
Inorganic Chemistry	–	–	–	–	3	–	4	Exam
Qualitative Chemical Analysis	–	–	–	–	2	–	3	Exam
Qualitative Chemical Analysis	–	–	–	–	–	5	4	TMark
Quantitative Chemical Analysis	–	–	–	–	2	–	0	S
Quantitative Chemical Analysis	–	–	–	–	–	4	4	TMark
Biostatistics	–	–	–	–	1	–	2	Exam
Biostatistics	–	–	–	–	–	1	0	S
First Aid and Resuscitation	–	–	–	–	1	–	0	S
First Aid and Resuscitation	–	–	–	–	–	1	2	TMark

Abbreviations: Exam – Examination, TMark – Term Mark, S – Signature

Elective Subjects: General Laws in Sciences, Short History of Hungary, Radiochemistry

* subject to change

Second Year

Compulsory Subjects	1 st semester				2 nd semester			
	Weekly hours		Credits	Exam form	Weekly hours		Credits	Exam form
	Theory	Pract.			Theory	Pract.		
Quantitative Chemical Analysis	3	–	4	ComEx	–	–	–	–
Quantitative Chemical Analysis	–	4	3	TMark	–	–	–	–
Organic Chemistry	4	–	4	Exam	3	–	4	ComEx
Organic Chemistry	–	6	6	TMark	–	–	–	–
Pharmaceutical Botany	1	–	2	Exam	2	–	3	Exam
Pharmaceutical Botany	–	–	–	–	–	2	2	TMark
Physiology	4	–	4	Exam	4	–	6	ComEx
Physiology	–	2	2	TMark	–	2	0	S
Physical Chemistry	2	–	2	Exam	–	5	4	TMark
Colloid Chemistry	2	–	3	Exam	–	–	–	–
Colloid Chemistry	–	2	0	S	–	–	–	–
Hungarian Language	–	4	0	S	–	4	0	S
Biochemistry	–	–	–	–	4	–	4	Exam
Pharmaceutical Propedeutics	–	–	–	–	2	–	3	Exam

Abbreviations: **ComEx** – Comprehensive Examination, **TMark** – Term Mark, **Exam** – Examination, **S** – Signature

Elective Subjects: Practical Optical Spectroscopy, Radiochemistry, Basic Communication

Third Year

Compulsory Subjects	1 st semester				2 nd semester			
	Weekly hours		Credits	Exam form	Weekly hours		Credits	Exam form
	Theory	Pract.			Theory	Pract.		
Pharmacognosy	3	–	3	Exam	2	–	3	ComEx
Pharmacognosy	–	4	3	TMark	–	4	3	TMark
Pharmaceutical Chemistry	4	–	5	Exam	4	–	5	ComEx
Pharmaceutical Chemistry	–	6	5	TMark	–	6	5	TMark
Pharmaceutical Technology	2	–	0	S	2	–	3	Exam
Pharmaceutical Technology, Galenic Prep. and Their Manufacture	–	–	–	–	–	3	3	TMark
Pharmaceutical Technology, Prescription Pharmacy	–	–	–	–	–	3	3	TMark
Microbiology	3	–	4	Exam	–	–	–	–
Microbiology	–	2	0	S	–	–	–	–
Immunology	2	–	2	Exam	–	–	–	–
Pathophysiology	2	–	3	Exam	2	–	4	Exam
Pathophysiology	–	2	0	S	–	2	0	S
Hungarian Language	–	3	0	TMark	–	3	0	TMark
Biopharmacy	–	–	–	–	2	–	2	Exam
Biopharmacy	–	–	–	–	–	3	2	TMark

Abbreviations: **Exam** – Examination, **ComEx** – Comprehensive Examination, **TMark** – Term Mark, **S** – Signature

Elective Subjects: Communication in Pharmacy Practice, Computer Literature

Fourth Year

Compulsory Subjects	1 st semester				2 nd semester			
	Weekly hours		Credits	Exam form	Weekly hours		Credits	Exam form
	Theory	Pract.			Theory	Pract.		
Pharmaceutical Analysis	2	–	3	Exam	–	–	–	–
Pharmaceutical Analysis	–	5	4	TMark	–	–	–	–
Pharmaceutical Technology	2	–	0	S	2	–	5	ComEx
Pharmaceutical Technology, Prescription Pharmacy	–	5	5	TMark	–	3	2	TMark
Pharmaceutical Technology, Sterile and Aseptic Drug Formulations	–	3	3	TMark	–	–	–	–
Pharmaceutical Technology, Tablet and Tablet Coating	–	–	–	–	–	3	2	TMark
Pharmaceutical Technology, Investigation of Dosage Forms	–	–	–	–	–	4	3	TMark
Pharmacodynamics	3	–	3	Exam	–	–	–	–
Pharmacodynamics	–	3	2	TMark	–	–	–	–
Pharmacodynamics-Toxicology	–	–	–	–	3	–	3	ESE
Pharmacodynamics-Toxicology	–	–	–	–	–	3	2	TMark
Public Health	2	–	1	–	2	–	3	Exam
Ethics in Pharmacy	2	–	2	Exam	–	–	–	–
Introduction to Law	2	–	2	Exam	–	–	–	–
Introduction to Economy	2	–	2	Exam	–	–	–	–
Hungarian Language	–	2	0	TMark	–	2	0	ComEx
Drug Regulatory Affairs	–	–	–	–	3	–	6	ComEx
Clinical Laboratory Practice	–	–	–	–	2	–	2	Exam
Clinical Laboratory Practice	–	–	–	–	–	2	0	S
Pharmacy Administration	–	–	–	–	–	1	2	TMark

Abbreviations: Exam – Examination, TMark – Term Mark, S – Signature, ComEx – Comprehensive Examination

Elective Subjects: Illicite Drug Use, Communication in Pharmacy Practice, Basic Clinical Pharmacology

Fifth Year

Compulsory Subjects	1 st semester				2 nd semester			
	Weekly hours		Credits	Exam form	Weekly hours		Credits	Exam form
	Theory	Pract.			Theory	Pract.		
Fundamentals of Clinical Therapy	3	–	4	Exam	–	–	–	–
Clinical Pharmacy	2	–	3	Exam	–	–	–	–
Pharmacodynamics	3	–	5	ComEx	–	–	–	–
Pharmacodynamics	–	3	2	TMark	–	–	–	–
Pharmaceutical Care	–	3	2	TMark	–	–	–	–
Natural Treatments	2	–	2	Exam	–	–	–	–
Computerized Dosage Form Planning	–	2	2	TMark	–	–	–	–
Pharmacy Practice	–	–	–	–	–	16×40	18	TMark
Thesis	–	–	–	–	–	–	10	Defence

Abbreviations: Exam – Examination, ComEx – Comprehensive Examination, TMark – Term Mark

Compulsory Elective Subjects: Ward Pharmacy, Pharmaceutical Psychology, Tropical Medicine, Veterinary Pharmacy, Quality Assurance, Human Genetics

Elective Subjects: Everyday Dermatology

ACADEMIC RECORD

1. List all secondary schools attended

Name of School	Location	Dates Attended		Diploma/ Certificate
		From	To	
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

2. Date and place of high school /senior secondary school exam: _____

Certificate issued by: _____ No: _____

3. Activity following high school graduation, if any

University studies (please attach transcripts and detailed course descriptions)

University: _____ Major(s): _____

Military Service

Other _____

4. What is your mother tongue? _____

Other languages? Speak: _____ Read: _____ Write: _____

Hungarian? Speak: _____ Read: _____ Write: _____

PERSONAL INFORMATION

5. Your Marital Status _____

6. Father's name _____ Occupation _____

Address _____

Mother's **maiden** name _____ Occupation _____

Address _____

7. Person to notify in emergency:

Name Relationship Daytime Phone

Address (No. / Street / City / Postal Code / Country) Daytime Fax

I hereby certify that all information provided by me in this application is true, accurate and complete. I declare that I am fully aware of the contents of the official English language brochure of the University of Szeged and fully accept the therein listed conditions.

(Signed) _____ Date: _____



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Midwifery: 4 years, in German



Szent István University, Budapest

Faculty of Veterinary Science

Veterinary Medicine, 5 years and a half – in English and German



Loránd Eötvös University of Liberal Arts and Sciences, Budapest

Faculty of Education and Psychology

BA and MA Programs, 3+2 years – in English



Budapest University of Technology and Economics

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Electrical Engineering and Informatics, Economic and Social Sciences, Natural Sciences

4+2 years – in English



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