



Semmelweis University

Budapest, Hungary

Admission and Academic Bulletin

246th Academic Year at the Faculty of Medicine



Programs in English:

Faculty of Medicine (Doctor of Medicine)

Faculty of Dentistry (Doctor of Dentistry)

Faculty of Pharmacy (Doctor of Pharmacy)



2015/2016

Contents

General Information	2
Brief History of Medical Education at Semmelweis University	2
Facts and Figures	2
Accreditation	3
International Recognition of the Degrees	3
The Programs in English; Medicine, Dentistry and Pharmacy	3
Statement of Non-Discrimination	3
Application and Admission Requirements	4
Application Criteria	4
Application Procedure	4
Entrance Examinations	5
Student Visa	5
Fees and Costs	6
Tuition Fee and Additional Charges	6
Payment Details	6
Refund Policy	7
Health Insurance	7
Housing	7
Student Life	8
International Student Association of Semmelweis – ISAS	8
Alumni Relations	8
Curricula	9
Curriculum at the Faculty of Medicine	9
Curriculum at the Faculty of Dentistry	16
Curriculum at the Faculty of Pharmacy	22
Semmelweis University Doctoral Studies	27
Pre-Medical Program	27

SEMMELWEIS UNIVERSITY

BUDAPEST, HUNGARY

Rector Prof. Dr. Ágoston SZÉL, M.D., Ph.D., D.Sc.

Vice Rectors

General and Educational Affairs Prof. Dr. József TÍMÁR, M.D., Ph.D., D.Sc.

Scientific Affairs Prof. Dr. Judit Mária MOLNÁR, M.D., Ph.D., D.Sc.

Clinical Affairs Prof. Dr. János GÁL, M.D., Ph.D., D.Sc.

Deans

Faculty of Medicine Prof. Dr. László HUNYADY, M.D., Ph.D., D.Sc.

Faculty of Dentistry Prof. Dr. Péter HERMANN, D.M.D., M.Sc., Ph.D.

Faculty of Pharmacy Prof. Dr. Romána ZELKÓ, dr.pharm., Ph.D.

Director General for

Finance, Investment and Operation Dr. Eleonóra MOLNÁR TARJÁN

**Academic Program Director for the
Programs in English Language
English Secretariat and Office**

Prof. Dr. Márk KOLLAI, M.D., Ph.D., D.Sc.

Address: H-1094 Budapest, Tűzoltó u. 37-47,

Phone/fax: (36-1) 266-0452

Fax: (36-1) 266-6734

E-mail: english.secretariat@semmelweis-univ.hu

Home Page: <http://semmelweis.hu>

**Student Services Center
(Entrance examinations abroad)**

College International

Mail: H-1406 Budapest 76,
P.O. Box 51, Hungary

Address: H-1071 Budapest, VII.
Bethlen Gábor tér 2., Hungary

Phone: (36-1) 413-3015

Fax: (36-1) 413-3030

E-mail: info@studyhungary.hu

Home Page: <http://www.studyhungary.hu>
<http://english-program.semmelweis.hu>

Local Representative



General Information

Brief History of Medical Education at Semmelweis University

Cardinal Péter Pázmány founded the predecessor of the present day University in 1635 at Nagyszombat (today Trnava in Slovakia), his bishop seat. On November 7, 1769 Queen Maria Theresa of Austria-Hungary attached a Faculty of Medicine to the former Faculties (Theology and Jura). The new Faculty was moved to Buda in 1777. The "Diploma Inaugurale" which stated the rights of the University and allocated the necessary financial means was signed in 1780. After a few years, the University moved to the other side of the Danube, to Pest. (Buda and Pest were independent cities at that time). In 1848, at the time of the National War of Independence, the former University of Nagyszombat became a National University.

The establishment of the present clinical departments and theoretical institutes started at the end of the 19th century at their present location in Budapest. These buildings are still in use after reconstruction and modernization. New clinics and institutes were built during the 20th century.

In 1951, the Faculty of Medicine was reorganized into an independent medical school, and the institutional name was changed to Budapest University of Medicine. In 1955, Faculties of Dentistry and Pharmacy were incorporated into the University. In 1969, the name of the University was changed to Semmelweis University of Medicine. The new name honors Ignác Semmelweis (see cover photo) who discovered the cause of puerperal fever and was a professor and chairman on the

Faculty of Medicine at the present 1st Department of Obstetrics and Gynecology.

Today, Semmelweis University incorporates the Faculties of Medicine, Dentistry, Pharmacy, Faculty of Health Sciences and the Faculty of Health and Public Services. Semmelweis University was the first Hungarian higher educational institution, which, in addition to educate at the above faculties in Hungarian, started to offer an international program at the Faculty of Medicine in German in 1983, while its international program in English started in 1987, at the Faculties of Medicine, Dentistry and Pharmacy.

Facts and Figures

Semmelweis University has a more than 240-year old tradition of academic excellence and commitment to the education of physicians. Among Semmelweis alumni are Nobel-laureates, world renowned researchers and clinicians. Current enrolment at the Faculty of Medicine is 3200 students, at the Faculty of Dentistry 630, and at the Faculty of Pharmacy 649. A special German-language Doctor of Medicine/Dentistry program has 950 German students enrolled, while the programs in English have altogether 1600 students registered at three faculties. The University Hospitals have 2160 beds and admit about 156,000 patients annually. The outpatient departments care for approximately 2.64 million patients each year. Research programs at the Preclinical and Clinical Departments are sponsored by the University, the Ministry of Education, the Hungarian Academy of Sciences, by many national and international grants.

Accreditation

As a **state university** Semmelweis University functions under the auspices of the Ministry of Education and the Ministry of Health. The University is listed in the WHO's directory of Medical Schools. The faculties of the University were reaccredited by the Hungarian Accreditation Board in 2010. The decision of the National Committee on Foreign Medical Education and Accreditation of the USA declares: The standards and processes used by the Hungarian Accreditation Council to accredit medical schools in Hungary are comparable to those used to accredit medical schools in the United States.

International Recognition of the Degrees

European Union: In those professions where the conditions of education in Hungary are identical with those in other EU member states, and these have already been recognized (medical and dental doctors, pharmacists etc.), the member states of the European Union are obliged to accept the diplomas issued in Hungary, independent of the language of tuition.

USA: Semmelweis medical graduates (as foreign graduates) have the right to pass the **United States Medical Licensing Examinations** (USMLE), after which they are eligible for residency.

Semmelweis dental graduates are required to fulfill US licensure requirements. For details, please visit the following websites:

Medical licensure: <http://www.usmle.org/index.html>

Dental licensure: http://www.ada.org/sections/professionalResources/pdfs/licensure_stepbystep_intl.pdf and <http://www.ada.org/1628.aspx>

Canada: Semmelweis graduates are eligible to pass the **Medical Council of Canada Evaluation Examination** (MCCEE) and the Medical Council of Canada Qualifying Examination (MCCQE) before applying for residencies.

Israel: Semmelweis graduates have to complete a **one-year practice and pass a test** before they are eligible for obtaining the permit to practice medicine.

India: **Doctor of Dentistry degree** of Semmelweis University is **equivalent to B.D.S. degree** in India.

The Programs in English Medicine, Dentistry and Pharmacy

The Programs in English at Semmelweis University were instituted for students with a good knowledge of English. The programs begin in early September each year. The curriculum in Medicine consists of six years of studies, in Dentistry and Pharmacy five years. At the conclusion of the programs the degrees granted in English and German are identical to those granted at the Hungarian program: Doctor of Medicine (dr. med.), Doctor of Dentistry (dr. med. dent.) and Doctor of Pharmacy (dr. pharm.).

Statement of Non-Discrimination

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

Application and Admission Requirements

Application Criteria

Applicants are required to be at least 18 in the year of application and preferably under the age of 30.

The Faculties of Medicine, Dentistry and Pharmacy at Semmelweis University seek students who completed high school/senior secondary school and who possess good command of English, and a strong motivation to study and practice medicine, dentistry or pharmacy.

Application Procedure

Applications should be sent until May 31 to the officially appointed Semmelweis representative in your country (*see the list of representatives at www.studyhungary.hu*), or if there is no representative, directly to Semmelweis University. Late applications are accepted upon vacancies.

The following documents should be attached (in original or as attested copies, in English or with an authorized English translation).

1. **Application Form** (signed)
2. **Matriculation / School Leaving Certificate** from an accredited high school / senior secondary school. Registration number of documents should be indicated. If you are in your final year and have not yet received it, you can still apply and take the entrance examination.
3. **Transcripts of high school / senior secondary school courses** verifying successful completion of General Biology or Zoology, General or Inorganic Chemistry, Organic Chemistry and Physics. Unofficial transcripts may be submitted, but acceptance into the program will be on condition of receipt of all official transcripts or attested copies.

4. **Letter of Recommendation.** Letter in English from a secondary school principal or science teacher is preferred. Particularly valuable a letter of recommendation from a person who studied at or graduated from our school.

5. **Curriculum Vitae** (Resume) in English.

6. **Motivation letter**

7. **Medical Certificate.** Certification that the applicant is physically and mentally able to complete higher educational studies, does not suffer from chronic infectious disease, dyslexia and a negative **HIV test** should be attached, as well as proof of **Hepatitis B** vaccination.

8. **Signed Photographs.** 2 passport size photos (Sign on the back!)

9. **Copy of passport or ID card** with your personal data.

10. **Application fee** of USD 200 (non-refundable) is payable to the local representative. If there is no local representative please transfer the fee according to the payment details on page 6 and please attach a proof from the bank about the transfer of the fee.

11. **Examination fee**

- If the **exam is taken in Budapest** it is USD 250 (non-refundable) please attach a proof from the bank about the transfer of the fee.
- In case the **exam is taken outside of Hungary** the exam fee is USD 250 + additional fee covering the local costs. USD 250 + additional fee – non-refundable – should be paid to the officially appointed Semmelweis University Representative.

Note: We keep the documents of applicants who did not get acceptance and of those who got acceptance but did not register for up to 10 months.

Entrance Examinations

Date of Examinations

Entrance examinations are held in Budapest and worldwide (please see www.studyhungary.hu).

Qualified applicants will be invited to take the entrance examination organized by the university or by the local representative.

Contents of the Entrance Exams

The exams consist of multiple choice tests in Biology, Chemistry and English, followed by an oral examination, which will focus on the applicant's knowledge of Biology, Chemistry and English, and will be supplemented by a personal interview that aims to examine the applicant's professional attitude, too.

Guideline of Topics for the Entrance Exam

at the Faculty of General Medicine, Dentistry and Pharmacy – 2015/2016 Academic Year:

1. **Evolution:** chemical and biological aspects
2. **Chemical background in Biology:** Structure of atoms; Molecules – chemical bonds; Solutions; Chemical reactions; Inorganic constituents; Hydrocarbons; Organic compounds containing Oxygen or Sulphur; Organic compounds containing Nitrogen; Carbohydrates; Amino acids and Proteins; Lipids; Vitamins; Nucleic acids.
3. **The cell and its organization** (morphology and function): Prokaryotes (viruses, bacteria) and Eukaryotes (focus on cilia and flagella, cell wall, cell membrane, endoplasmic reticulum, Golgi, lysosome, mitochondrion, plast, ribosome, centriole, nucleus, nucleolus).
4. **From cells to tissues** of different structure and function (plant and animal tissues as well).
5. **Cell division:** mitosis and meiosis.
6. **Anabolic and catabolic pathways** regarding nucleic acids, proteins, carbohydrates, lipids (photosynthesis, bioenergetics included).
7. **The physiology of living organisms:** respiration, ingestion and digestion, excretion, circulation, endocrine and neural regulation, immunobiology, locomotion.
8. **Reproduction and development of animals.**
9. **Genetics:** Mendelian inheritance, human genetics.
10. **Basic ethology.**

Note: In all of these questions, knowledge of English terminology is required!

Evaluation

The evaluation of the Entrance Examinations will be performed by the University Board.

Student visa

The accepted students should apply for a D-5 student visa. The requirements will be listed in the Acceptance Letter issued by the university.

The list of countries from where a D-5 visa is required and the visa application form can be downloaded from <http://konzuliszolgalat.kormany.hu/visa-waiver-agreements>

Students coming from EU & EEA countries do not need a student visa, but have to apply for a residence permit within 90 days after their arrival to Hungary.

Fees and Costs

Tuition Fee and Additional Charges

Year 1–6

Medicine USD 8,950 /semester

Year 1–5

Dentistry USD 8,950 /semester

Pharmacy USD 6,000 /semester

The first year tuition fee (+ the registration fee) should be paid in two installments (unless the Hungarian Visa regulations have different conditions):

– for the 1st semester (details in the letter of acceptance)

Medicine USD 8,950

Dentistry USD 8,950

Pharmacy USD 6,000

– for the 2nd semester (before February 1)

Medicine USD 8,950

Dentistry USD 8,950

Pharmacy USD 6,000

In consecutive years the tuition fee/semester – as listed above – should be paid:

– Before September 1 (for the 1st semester)

– Before February 1 (for the 2nd semester)

Sixth year medical students spending their internship year (except the compulsory weeks to be completed at Semmelweis University) outside Hungary may apply for a reduction.

Application Fee: USD 200¹

Entrance Examination Fee: USD 250²
(if examination is taken in Hungary)

Registration Fee: USD 220³

¹ Payable on application

² Payable on application. **If the examination takes place outside Hungary the official university representative will inform you about the sum of the examination fee (USD 250 + additional fee).**

³ Payable together with the tuition fee.

Dentistry Students Additional Material Fee

Years 3, 4 & 5: USD 3,600⁴

⁴ The annual additional material fee should be paid

– for 1st semester: USD 1,800

– for 2nd semester: USD 1,800

– this fee is subject to change.

Note: Before registration first year students must obtain a certificate of the full payment of the tuition fee from our service provider, College International (H-1071 Budapest, VII., Bethlen Gábor tér 2., Hungary).

Payment Details

Payments can be made by bank transfer in **USD** to the bank account of the university program or by cash payment personally in any MKB Bank (www.mkb.hu) branch office:

Account name: IS International Studies

Account (IBAN) Number:

HU12 1030 0002 1047 6764 4012 0020

Bank name: MKB Bank

Bank address:

H-1056, Váci u. 38., Budapest, Hungary

Swift/BIC code: MKKBHUHB

Note: The transfer sheet should include the **name of the student** as it is written in the passport and the remark “**SE Uni**”.

Personal checks and money orders are not accepted.

Please note that the above mentioned net amounts have to arrive to the account – the bank commission charges have to be paid by the student.

Important: If the tuition fee is not credited to our bank account by the above deadlines, students have to pay a default charge to the university and may be suspended/dismissed.

Refund Policy

1. Prior to registration at the university

Refundable: 100% of payment except the 1st year students' **deposit USD 2,000**, which is **non-refundable**.

2. After registration at the university

Withdrawal of studies: Students, compelled to withdraw for academic/disciplinary reasons or have been accepted/transferred by another institute of higher education are not entitled to a refund of the tuition fee.

Students are entitled to a refund on a pro rata basis if studies are interrupted due to a sound reason (eg. the death of parents/guardians or due to a requirement to fulfill a military service obligation). The refund is applicable from the first day of the month following report of the above mentioned conditions with accompanying official certificates.

3. Suspension of studies:

- a. Student's legal relationship is suspended after registration within a month following the beginning of the semester. Tuition is non-refundable. It can be transferred to the next active semester.
- b. Student's legal relationship is suspended after registration after more than a month following the beginning of the semester.

Tuition fee is non-refundable. It cannot be transferred to the next active semester and the semester must be considered as active.

No other claims are acceptable.

Health Insurance

A full coverage basic health insurance for Hungary is a **prerequisite for registration** at the university.

As a part of the tuition fee a special insurance for students is offered by the Union Insurance Co. which includes an English-language call center, GP-service and treatment at the Polyclinics and Clinics of Semmelweis University.

You will find details in the letter of acceptance.

Housing

The Student Service Center (apalfi@mcdaniel.hu, www.flatsinhungary.com) is offering help in finding the most suitable type of accommodation. Without an official address in Hungary the Residence Permit cannot be obtained.

The rent of an apartment is the responsibility of the student and rental prices vary according to the personal needs. For your information: the average cost for one student is from EUR 300/month.

Student Life

International Student Association of Semmelweis – ISAS

(<http://www.isas.hu>)

- ISAS is the student organization for the international students of Semmelweis.
- We are working to obtain a better communication between the administration and the international students.
- In addition, to enable a better flow of information, and improve academic standards.
- ISAS is dedicated to the education and development of the Semmelweis University diverse student body and to creating a meaningful, learning centered campus life for students at the University.
- ISAS works in active partnership with student, faculty, and staff colleagues to strength and support student opportunities for learning, involvement, leadership, and creative expression that complement their academic experiences.
- ISAS further supports other student organizations and their leaders, and they in turn provide programs and resources to the student body and the wider University community.

ISAS Review

The ISAS Review is the official magazine of ISAS. Please stay tuned to our monthly school-funded, student-run magazine sponsored by ISAS. It is always packed with interesting articles, interviews of our great teachers, funny stories and tips for the City. And of course a glimpse at the student life that is the middle page with full of photographs. Enjoy!

Book Fair

ISAS holds the Book Fair annually, and on demand per semester. It is a great opportunity for everyone to get the most useful books for less and also to sell the ones not needed anymore. It is also a social gathering, and a chance for changing ideas about studying techniques and best teachers, notes, etc. You may also bring study tools/ accessories to this event. It is not exclusively for books. Great way to connect, to save and make money. Hope to see you there!

Alumni Relations

Since the introduction of the English Language Program 25 years ago, several thousand foreign students have studied and graduated at Semmelweis University. These students had come from almost every corner of the world, adding a unique international character to our university. Thanks to the university's solid international reputation and to our ongoing strive to enhance the quality of education foreign nationals show a steady interest in studying at Semmelweis University.

Semmelweis University decided to launch Semmelweis Alumni Association (SAA). With the help of SAA Semmelweis University aims at:

- keeping regular contact with our former students,
- providing a database for former students to reach each other,
- providing information about important events at Semmelweis University,
- providing information on the possibility to participate in residency and speciality training,
- organizing alumni reunions in the future.

Home Page: <http://alumni.semmelweis-egyetem.hu>

Curricula

Faculty of Medicine – Study Programme

BASIC MODULE First Year – 1st semester

Compulsory Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
Medical Chemistry	3	3.5	6	semi-final
Anatomy, Cell, Histology and Embryology I.	3	6	9	semi-final
Basics of Biostatistics	1	2	3	semi-final
Medical Biophysics I.	1.5	2	3	semi-final
Medical Sociology	0.66	1.3	2	semi-final
First Aid	–	1	–	signature
Physical Education I.	–	1	–	signature
Hungarian Medical Terminology I.	–	4	4	practical mark
Medical Terminology (Latin)	–	2	2	practical mark
<i>Total Number of Credit Points from Compulsory Subjects</i>				29

4 credit points from obligatory elective/elective subjects must be collected in each semester. See the detailed list of obligatory electives and electives after the 3rd year curriculum.

First Year – 2nd semester

Compulsory Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
Biochemistry, Molecular and Cell Biology I.	3	4	7	semi-final
Anatomy, Cell, Histology and Embryology II.	3	6	9	semi-final
Medical Biophysics II.	2	2	4	final
Medical Profession	–	2	2	practical mark
Behavioral Sciences	1	1	2	semi-final
Nursing Practice (in summer)	–	–	–	signature
Physical Education II.	–	1	–	signature
Hungarian Medical Terminology II.	–	4	2	practical mark
<i>Total Number of Credit Points from Compulsory Subjects</i>				26

4 credit points from obligatory elective/elective subjects must be collected in each semester. See the detailed list of obligatory electives and electives after the 3rd year curriculum.

Second Year – 3rd semester

Compulsory Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
Anatomy, Cell, Histology and Embryology III.	3	4	7	semi-final
Medical Physiology I.	6	5	11	semi-final
Biochemistry, Molecular and Cell Biology II.	3	3	6	semi-final
Introduction to Clinical Medicine	–	2	2	practical mark
Physical Education III.	–	1	–	signature
Hungarian Medical Terminology III.	–	4	2	practical mark
<i>Total Number of Credit Points from Compulsory Subjects</i>			28	

4 credit points from obligatory elective/elective subjects must be collected in each semester. See the detailed list of obligatory electives and electives after the 3rd year curriculum.

Second Year – 4th semester

Compulsory Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
Anatomy, Cell, Histology and Embryology IV.	1	2	3	final [#]
Medical Physiology II.	6	5	11	final [#]
Biochemistry, Molecular and Cell Biology III.	3	3	6	final [#]
Physical Education IV.	–	1	–	signature
Hungarian Medical Terminology IV.	–	4	2	practical mark
<i>Total Number of Credit Points from Compulsory Subjects</i>			22	

[#] The grade influences the qualification of the diploma.

4 credit points from obligatory elective/elective subjects must be collected in each semester. See the detailed list of obligatory electives and electives after the 3rd year curriculum.

**PRECLINICAL MODULE
Third Year – 5th semester**

Compulsory Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
Basic Surgical Techniques	0.5	1.5	2	semi-final
Pathophysiology and Clinical Lab. Diagnostics	1.5	3	4	semi-final
Microbiology I.	1.5	2.5	4	semi-final
Pathology I.	3	4	7	semi-final
Basic Immunology	2	2	4	semi-final
Internal medicine – propedeutics	2	5	7	semi-final
Disaster Protection & Civil Defence	1×2/ semester	–	–	signature
<i>Total Number of Credit Points from Compulsory Subjects</i>			28	

4 credit points from obligatory elective/elective subjects must be collected in each semester. See the detailed list of obligatory electives and electives after the 3rd year curriculum.

Third Year – 6th semester

Compulsory Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
Pathophysiology and Clinical Lab. Diagnostics II.	2.5	2.5	4	final [#]
Microbiology II.	1.5	2	3	final [#]
Pathology II.	3	4	7	final [#]
Internal Medicine I. (Metabolism, endocrinology, toxicology)	1.5	3	5	semi-final
Genetics and genomics	2	2	4	semi-final
Medical Psychology	1	2.5	3	semi-final
Medical Imaging	12/ semester	16/ semester	2	semi-final
Internal Medicine practice (summer, 4 weeks)	–	–	–	practical mark
Disaster Protection & Civil Defence II.	1×2/ semester	–	–	signature
<i>Total Number of Credit Points from Compulsory Subjects</i>			28	

[#] The grade influences the qualification of the diploma.

4 credit points from obligatory elective/elective subjects must be collected in each semester. See the detailed list of obligatory electives and electives after the 3rd year curriculum.

BASIC AND PRE-CLINICAL MODULES - OBLIGATORY ELECTIVE SUBJECTS
Fall semester

Subject	Weekly		Credit Points	Examination
	Lectures	Practicals		
History of Medicine	2	-	2	practical mark
Developmental Biology I.	2	-	2	practical mark
Information Retrieval Science in Library	2	-	3	practical mark

Spring semester

Subject	Weekly		Credit Points	Examination
	Lectures	Practicals		
History of Medicine	2	-	2	practical mark
Introduction to Clinical Anatomy	2	-	2	practical mark
Developmental Biology II.	2	-	2	practical mark
Anatomy of Diagnostic Imaging	2	-	2	practical mark
Information Retrieval Science in Library	2	-	3	practical mark

BASIC AND PRE-CLINICAL MODULES - ELECTIVE SUBJECTS
Fall semester

Subject	Weekly		Credit Points	Examination
	Lectures	Practicals		
Problem based medical physiology	2.5	-	4	practical mark
Traditional Chinese Medicine	2	-	2	practical mark
Basic Cell Biology	2	-	2	practical mark
Work within the union of research students (TDK munka)	1	-	1	practical mark
Bases of Medical Physics	1	1	3	practical mark
Jewish Medical Ethics I.	2	-	2	practical mark
History of Medical Professionalism	2.5	-	2	practical mark
Basics of Medical Chemistry	2	-	3	practical mark

Spring semester

Subject	Weekly		Credit Points	Examination
	Lectures	Practicals		
Clinical Physiology of Respiration and Respiratory Diseases	2	-	2	practical mark
Traditional Chinese Medicine	2	-	2	practical mark
Basic Genetics	2	-	2	practical mark
Jewish Medical Ethics II.	2	-	2	practical mark
Work within the union of research students (TDK munka)	1	-	1	practical mark
Clinical Cardiovascular Physiology	2	-	2	practical mark

CLINICAL MODULE
Fourth Year – 7th semester

Compulsory Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
Pharmacology and Pharmacotherapy I.	2.5	2.5	5	semi-final
Public Health and Preventive Medicine I.	1	2.5	4	semi-final
Internal Medicine II. (nephrology, immunology, rheumatology)	1.5	3	4	semi-final
Surgery I.	2	1	3	semi-final
Internal Medicine III. (Cardiology)	1	2	3	semi-final
Otorhinolaryngology	1	2	3	semi-final
Dermatology	1.5	2.5	4	semi-final
Oral Surgery and Dentistry	2	–	2	semi-final
Bioethics – Medical Ethics	2	–	2	semi-final
Behavioural Science	–	–	–	final [#]
Disaster Protection & Civil Defence III.	1×2/ semester	–	–	signature
<i>Total Number of Credit Points from Compulsory Subjects</i>			30	

[#] The grade influences the qualification of the Diploma.

At least 4 credit points from the obligatory elctives/electives must be collected in each semester. See the detailed list of them after the fifth year.

Fourth Year – 8th semester

Compulsory Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
Pharmacology and Pharmacotherapy II.	2.5	2.5	5	final [#]
Public Health and Preventive Medicine II.	1	2.5	4	final [#]
Pulmonology	1	2	3	semi-final
Surgery II.	2	2	4	practical mark
Orthopaedics	1	2	3	semi-final
Radiology	2	2	4	semi-final
Psychotherapy in medical practice	1	1	2	semi-final
Surgery practice (in summer)	–	–	–	signature
Disaster Protection & Civil Defence IV.	1×2/ semester	–	–	signature
<i>Total Number of Credit Points from Compulsory Subjects</i>			25	

[#] The grade influences the qualification of the diploma.

At least 4 credit points from the obligatory elctives/electives must be collected in each semester. See the detailed list of them after the fifth year.

Fifth Year – 9th semester

Compulsory Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
Internal Medicine IV. (gastroenterology, oncology)	1.5	3	4	semi-final
Surgery III.	1	1	2	semi-final
Obstetrics and Gynecology I.	2	–	2	practical mark
Paediatrics I.	2	3	5	semi-final
Neurology I.	2	1.5	3	practical mark
Psychiatry I.	1.5	2	3	semi-final
Forensic Medicine I.	1	1.5	2	practical mark
Emergency Medicine – Oxyology	1.5	1	1	semi-final
Urology	1	2	3	semi-final
Basics of Family Medicine	1	1	–	semi-final
Anaesthesiology and Intensive Therapy	1.5	1	2	semi-final
<i>Total Number of Credit Points from Compulsory Subjects</i>				27

At least 4 credit points from the obligatory elctives/electives must be collected in each semester. See the detailed list of them after the fifth year.

Fifth Year – 10th semester

Compulsory Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
Internal Medicine V. (haematology, infectology)	2	3	5	semi-final
Traumatology	1.5	2	3	semi-final
Obstetrics and Gynecology II.	2	1 week internship	4	semi-final
Paediatrics II.	2	3	5	practical mark
Neurology II.	2	1.5	4	semi-final
Psychiatry II.	1.5	2	4	practical mark
Forensic Medicine II.	1	2	3	semi-final
Ophthalmology	2	2	4	semi-final
<i>Total Number of Credit Points from Compulsory Subjects</i>				32

At least 4 credit points from the obligatory elctives/electives must be collected in each semester. See the detailed list of them after the fifth year.

CLINICAL MODULE – OBLIGATORY ELECTIVE SUBJECTS

Subject	Weekly		Credit Points	Examination
	Lectures	Practicals		
Antibiotic Therapy and Infectology	2	–	2	practical mark
Anesthesia and Intensive Care	2	–	2	practical mark

CLINICAL MODULE - ELECTIVE SUBJECTS
Fall semester

Subject	Weekly		Credit Points	Examination
	Lectures	Practicals		
Problem based medical physiology	2.5	–	4	practical mark
Sleep Medicine	2	–	2	practical mark
Clinical Physiology of Respiration and Respiratory Diseases	2	–	2	practical mark
Organ Transplantation	–	–	2	–
Clinical Oncology	2	–	2	practical mark
Clinical Genetics	2	–	2	practical mark
Clinical Immunology	2	–	2	practical mark
Health Informatics	2	–	2	practical mark
Traditional Chinese Medicine	2	–	2	practical mark
Ultrasonography	2	–	2	practical mark
Jewish Medical Ethics I.	2	–	2	practical mark
History of Medical Professionalism	2	–	2	practical mark

Spring semester

Subject	Weekly		Credit Points	Examination
	Lectures	Practicals		
Medicinal, Epidemiological, and Social Aspects of Drug Abuse	2	–	2	practical mark
Clinical Cardiovascular Physiology	2	–	2	practical mark
Clinical Endocrinology	2	–	2	practical mark
Clinical Hematology	2	–	2	practical mark
Organ Transplantation	–	–	2	–
Family Surgery	2	–	2	practical mark
Neonatology	2	–	2	practical mark
Emergency in Surgery	2	–	2	practical mark
Tropical Medicine	2	–	2	practical mark
Ultrasonography	2	–	2	practical mark
Jewish Medical Ethics II.	2	–	2	practical mark

Sixth Year

Internship	Required number of weeks	Credit Ponto	Examination
Internal Medicine	9	9	final [#]
1 week Infectology			signature
Surgery (2 weeks Traumatology)	9	9	final [#]
Pediatrics	8	8	final [#]
1 week Infectology		–	signature
Obstetrics and Gynecology	5	5	final [#]
Neurology	4	4	final [#]
Psychiatry	4	4	final [#]
Family Medicine in Daily Practice	2	–	signature
Prehospital Emergency Medicine	2	–	signature
Thesis work		20	
Total	43	59	

[#] The grade influences the qualification of the diploma.

Faculty of Dentistry – Study Programme

BASIC MODULE First Year – 1st semester

Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
Compulsory				
Anatomy, Histology, Embryology I.	3	5	8	semi-final
Physical Bases of Dental Materials	2	0	2	semi-final
Medical Chemistry	3	3	6	semi-final
Medical Biology (Cell Biology)	2	1	3	final
Biophysics I.	1.5	2	3	semi-final
Hungarian Language	0	4	4	practical mark
Medical Latin I.	0	2	2	practical mark
Physical Education I.*	0	1	0	signature
<i>Total Number of Credit Points</i>			28	

* Physical Education I–IV. has to be completed until the end of third year.

15 credits should be gained from the elective subjects during the 5-year studies – see the elective list after the 3rd year study program.

First Year – 2nd semester

Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
Compulsory				
Anatomy, Histology, Embryology II.	3	4	8	semi-final
Biophysics II.	2	2	5	final [#]
Medical Biochemistry, Molecular and Cell Biology I.	3	3	7	semi-final
Preventive Dentistry I.	0	1	1	practical mark
Hungarian Medical Terminology	0	4	2	practical mark
General Dental Materials	1	0	1	semi-final
Medical Latin II.	0	2	2	practical mark
Physical Education II.*	0	1	0	signature
Dental Laboratory Practice (summer, 2 weeks)	0	30	0	signature
Nursing Practice (summer, 2 weeks)	0	30	0	signature
Obligatory elective				
First aid	0	1	1	practical mark
Medical Informatics	1	2	3	semi-final
Dental Psychology	2	0	2	semi-final
Medical Sociology	1	1	2	semi-final
<i>Total Number of Credit Points</i>			34	

* Physical Education I–IV. has to be completed until the end of third year.

15 credits should be gained from the elective subjects during the 5-year studies – see the elective list after the 3rd year study program.

BASIC MODULE
Second Year – 3rd semester

Compulsory Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
Anatomy, Histology, Embryology III.	3	4	7	semi-final
Medical Biochemistry, Molecular and Cell Biology II.	3	2	5	semi-final
Medical and Dental Physiology I.	6	5	11	semi-final
Odontotechnology and Prosthodontics Preclinical Course I.	1	2	3	practical mark
Hungarian Dental Terminology I.	0	4	2	signature
Physical Education III.*	0	2	0	signature
Total Number of Credit Points			28	

* Physical Education I–IV. has to be completed until the end of third year.

15 credits should be gained from the elective subjects during the 5-year studies – see the elective list after the 3rd year study program.

Second Year – 4th semester

Compulsory Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
Anatomy, Histology, Embryology IV.	3	2	6	final [#]
Medical Biochemistry, Molecular and Cell Biology III.	3	2	5	final [#]
Medical and Dental Physiology II.	6	5	10	final [#]
Odontotechnology and Prosthodontics Preclinical Course II.	1	3	4	practical mark
Conservative Dentistry and Endodontics, Pre-clinical I.	1	3	4	practical mark
Hungarian Dental Terminology II.	0	4	2	signature
General Dental Preclinical Practice	1	3	4	semi-final
Physical Education IV.*	0	2	0	signature
Total Number of Credit Points			35	

[#] The grade influences the qualification of the diploma.

* Physical Education I–IV. has to be completed until the end of third year.

15 credits should be gained from the elective subjects during the 5-year studies – see the elective list after the 3rd year study program.

**PRE-CLINICAL MODULE
Third Year – 5th semester**

Compulsory Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
Conservative Dentistry and Endodontics, Pre-clinical II.	1	3	4	semi-final
General and Oral Microbiology	2	2	4	final [#]
General and Oral Pathophysiology	2	2	4	final [#]
Basic Immunology	2	1	3	semi-final
Hungarian Dental Terminology III.	0	4	2	practical mark
Oral and Maxillofacial Surgery, Pre-clinical course	0	2	2	practical mark
Pathology I.	3	2	5	semi-final
Preventive Dentistry II.	1	2	3	practical mark
Odontotechnology and Prosthodontics, Pre-clinical Course III.	0	3	4	final [#]
<i>Total Number of Credit Points</i>			31	

[#] The grade influences the qualification of the diploma.

15 credits should be gained from the elective subjects during the 5-year studies – see the elective list after the 3rd year study program.

Third Year – 6th semester

Compulsory Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
Conservative Dentistry and Endodontics I.	1	3	4	practical mark
Internal Medicine I.	2	2	4	practical mark
Oral and Maxillofacial Surgery I.	1	3	4	practical mark
Oral Biology	3	2	5	final [#]
Genetics and Genomics	2	1	2	final [#]
Oral Pathology	2	2	4	final [#]
Preventive Dentistry II.	1	0	1	final [#]
Prosthodontics I.	1	3	4	practical mark
Radiation protection	1.5	1	2	semi-final
Hungarian Dental Terminology IV.	0	4	2	final
Dento-Alveolar practice (summer, minimum 1 week)	0	30	0	signature
<i>Total Number of Credit Points</i>			32	

[#] The grade influences the qualification of the diploma.

15 credits should be gained from the elective subjects during the 5-year studies – see the elective list after the 3rd year study program.

ELECTIVE SUBJECTS

Subject	Weekly		Credit Points	Examination
	Lectures	Practicals		
Hungarian Medical Terminology III.	0	4	2	practical mark
Hungarian Medical Terminology IV.	0	4	2	practical mark
Developmental Biology I.	2	0	2	practical mark
Developmental Biology II.	2	0	2	practical mark
Traditional Chinese Medicine	2	0	2	practical mark
TDK Work within the Union of Research Students	1	0	1	practical mark
Anesthesiology and Intensive Therapy	2	0	2	practical mark
Antibiotic Therapy and Infectology	2	0	2	practical mark
Clinical Endocrinology	2	0	2	practical mark
Tropical Medicine	2	0	2	practical mark
Ultrasonography	2	0	2	practical mark
Medical, Epidemiological and Social Aspect of Drug Abuse	2	0	2	practical mark
Library Informatics	2	0	3	practical mark
History of Medicine	2	0	2	practical mark
Clinical Hematology	2	0	2	practical mark
Jewish Medical Ethics I-II.	2	0	2	practical mark
Anatomy of Diagnostic Imaging	2	0	2	practical mark

CLINICAL MODULE
Fourth Year – 7th semester

Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
Compulsory				
General and Dental Radiology	2	2	4	final [#]
Conservative Dentistry and Endodontics II.	1	3	4	practical mark
Internal Medicine II.	2	1	3	semi-final
Oral and Maxillofacial Surgery II.	1	3	4	practical mark
Periodontology I.	2	0	2	semi-final
Pharmacology, Toxicology I.	1	1	2	semi-final
Prosthodontics II.	1	6	7	semi-final
Oral Diagnostics I.	1	1	2	practical mark
Orthodontics Pre-Clinical	0	1	1	practical mark
Obligatory elective				
Neurology	1	0	1	semi-final
Psychiatry	1	0	1	semi-final
Dental Ethics	2	0	2	semi-final
Gnathology	1	2	3	final [#]
Public Health	1.5	2	3	final [#]
<i>Total Number of Credit Points</i>			39	

[#] The grade influences the qualification of the diploma.

15 credits should be gained from the elective subjects during the 5-year studies – see the elective list after the 3rd year study program.

Fourth Year – 8th semester

Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
Compulsory				
Conservative Dentistry and Endodontics III.	1	3	4	practical mark
Internal Medicine III.	1	0	1	final [#]
Oral and Maxillofacial Surgery III.	1	3	4	practical mark
Oral Diagnostics II.	0	1	1	semi-final
Periodontology II.	1	3	4	practical mark
Pharmacology, Toxicology II.	1	2	3	final [#]
Prosthodontics III.	1	3	4	practical mark
Implantology I.	1	0	1	semi-final
General Dentistry practice (summer, 4 weeks)	0	30	0	signature
Obligatory elective				
Surgery	2	1	3	final [#]
Medical Sociology	1	1	2	semi-final
Dental Psychology	2	0	2	semi-final
<i>Total Number of Credit Points</i>			29	

[#] The grade influences the qualification of the diploma.

15 credits should be gained from the elective subjects during the 5-year studies – see the elective list after the 3rd year study program.

CLINICAL MODULE
Fifth Year – 9th semester

Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
Compulsory				
Clinical Dentistry I.	0	6	4	practical mark
Clinical Dentistry I.	0	6	4	practical mark
Conservative Dentistry and Endodontics IV.	0	3	3	practical mark
Oral and Maxillofacial Surgery IV.	1	5	6	practice mark
Implantology II.	1	1	2	final [#]
Orthodontics I.	1	5	6	practice mark
Pedodontics I.	1	5	6	practice mark
Periodontology III.	1	2	3	practice mark
Prosthodontics IV.	0	3	3	practice mark
Obligatory elective				
Forensic Dentistry	1	0	1	semi-final
Ophthalmology	1	0.5	1	final [#]
Otorhinolaryngology	1	0.5	1	final [#]
Pediatrics	1	0.5	1	semi-final
Prehospital Emergency Medicine	1	0	1	semi-final
<i>Total Number of Credit Points</i>			38	

[#] The grade influences the qualification of the diploma.

15 credits should be gained from the elective subjects during the 5-year studies – see the elective list after the 3rd year study program.

Fifth Year – 10th semester

Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
Compulsory				
Clinical Dentistry II.	0	6	4	practice mark
Clinical Dentistry II.	0	6	4	practice mark
Conservative Dentistry and Endodontics V.	0	3	3	final [#]
Oral and Maxillofacial Surgery V.	1	3	4	final [#]
Oral Medicine	1	0	1	final [#]
Orthodontics II.	1	4	5	final [#]
Pedodontics II.	1	4	5	final [#]
Periodontology IV.	1.5	2	3	final [#]
Prosthodontics V.	0	3	3	final [#]
Obligatory elective				
Dermatology	1	0.5	1	final [#]
Obstetrics and Family Planning	1	0	1	semi-final
Diploma Work			20	20
<i>Total Number of Credit Points</i>			50	

[#] The grade influences the qualification of the diploma.

15 credits should be gained from the elective subjects during the 5-year studies – see the elective list after the 3rd year study program.

Faculty of Pharmacy – Study Programme

First Year – 1st semester

Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
General and Inorganic Chemistry I. Practice	–	5	5	pract. course grade
General and Inorganic Chemistry I.	4+1	–	5	semi-final
Introduction to Health Informatics I. Practice	–	1	–	signature
Introduction to Health Informatics I.	1	–	2	semi-final
Biophysics I. Practice	–	3	2	pract. course grade
Biophysics I.	2	–	3	semi-final
Biology I. Practice	–	2	2	pract. course grade
Biology I.	2	–	2	semi-final
Medical Terminology ²	–	2	2	pract. course grade
Mathematics I. Practice	–	2	2	pract. course grade
Mathematics I.	2	–	2	semi-final
Physical Education I.	–	1	0	signature
History of Sciences, Propedeutics	2	–	2	semi-final
Hungarian Language I. ¹	–	4	4	pract. course grade
Total Number of Credit Points			33	

¹ Obligatory courses.

² Obligatory elective courses: (2 credit points).

First Year – 2nd semester

Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
General and Inorganic Chemistry II.	3	–	3	final [#]
Analytical Chemistry (qualitative)	2	5	5	pract. course grade
Anatomy	2	–	4	semi-final
Anatomy Practice	–	2	–	signature
Introduction to Health Informatics II. Practice	–	1	–	signature
Introduction to Health Informatics II.	1	–	2	semi-final
Biophysics II. Practice	–	3	2	pract. course grade
Biophysics II.	2	–	3	final [#]
Biology II. Practice	–	2	1	pract. course grade
Biology II.	2	–	2	final [#]
Pharmaceutical Botany I.	1	2	3	pract. course grade
Mathematics II. Practice	–	1	1	pract. course grade
Mathematics II.	2	–	2	semi-final
Physical Education II.	–	1	0	signature
First Aid	1	1	0	signature
Hungarian Language II. ¹	–	4	2	pract. course grade
Total Number of Credit Points			30	

[#] The grade influences the qualification of the diploma.

¹ Obligatory courses.

Second Year – 3rd semester

Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
Analytical Chemistry (quantitative) I.	2	5	7	pract. course grade
Physical Chemistry I.	4	–	4	semi-final
Pharmaceutical Botany II. Practice	–	3	2	pract. course grade
Pharmaceutical Botany II.	1	–	2	final [#]
Organic Chemistry I. Practice	–	5.5	5	pract. course grade
Organic Chemistry I.	4	–	5	semi-final
Physical Education III.	–	1	0	signature
Hungarian Language III. ¹	–	4	2	pract. course grade
Total Number of Credit Points			27	

[#] The grade influences the qualification of the diploma.

¹ Obligatory courses.

Second Year – 4th semester

Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
Analytical Chemistry (quantitative) II. Practice	–	5	2	pract. course grade
Analytical Chemistry (quantitative) II.	2	–	5	final [#]
Biochemistry I. Practice	–	1	0	practice mark
Biochemistry I.	3	–	3	semi-final
Physical Chemistry II.	1	4	5	pract. course grade
Colloid Chemistry I.	2	–	2	semi-final
Organic Chemistry II. Practice	–	5.5	4	pract. course grade
Organic Chemistry II.	4	–	5	final [#]
Hungarian Language IV. ¹	–	4	2	pract. course grade
Physical Education IV.	–	1	0	signature
Summer Practice I. ²	–	35	4	signature
Total Number of Credit Points			28+4	

[#] The grade influences the qualification of the diploma.

¹ Obligatory courses.

² 4 weeks (140 hours) summer practice in elective place (accredited public / community pharmacy, Galenical laboratory, research institute, university department) after the second and third year.

Third Year - 5th semester

Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
Biochemistry II. Practice	–	1.5	0	signature
Biochemistry II.	2.5	–	3	final [#]
Physiology I. Practice	–	1	2	pract. course grade
Physiology I.	5	–	4	semi-final
Pharmaceutical Chemistry I.	4	5	8	pract. course grade
Pharmaceutical Technology I.	2	3	5	pract. course grade
Basic Immunology	1.5	–	2	semi-final
Colloid Chemistry	–	2	2	pract. course grade
Hungarian Language V. ¹	–	4	2	pract. course grade
Total Number of Credit Points	28			

[#] The grade influences the qualification of the diploma.

¹ Obligatory courses.

Third Year - 6th semester

Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
Physiology II. Practice	–	1	2	pract. course grade
Physiology II.	5	–	4	final [#]
Pharmacognosy I. Practice	–	4	3	pract. course grade
Pharmacognosy I.	2	–	3	semi-final
Pharmaceutical Chemistry II. Practice	–	5	4	pract. course grade
Pharmaceutical Chemistry II.	4	–	4	semi-final
Pharmaceutical Microbiology	3	–	5	final [#]
Pharmaceutical Microbiology Practice	–	2	–	signature
Pharmaceutical Technology II. Practice	–	5	4	pract. course grade
Pharmaceutical Technology II.	2	–	3	semi-final
Hungarian Language VI. ¹	–	4	2	final [#]
Summer Practice II. ²	–	35	4	signature
Total Number of Credit Points	34+4			

[#] The grade influences the qualification of the diploma.

¹ Obligatory courses.

² 4 weeks (140 hours) summer practice in elective place (accredited public / community pharmacy, Calenical laboratory, research institute, university department) after the second and third year.

Fourth Year – 7th semester

Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
Pharmacognosy II. Practice	–	4	3	pract. course grade
Pharmacognosy II.	2	–	3	final [#]
Pharmaceutical Chemistry III. Practice	–	4	3	pract. course grade
Pharmaceutical Chemistry III.	2	–	3	final [#]
Pharmacology and Toxicology I. Practice	–	2	2	pract. course grade
Pharmacology and Toxicology I.	4	–	4	semi-final
Pharmaceutical Technology III. Practice	–	9	5	pract. course grade
Pharmaceutical Technology III.	3	–	4	semi-final
Basic Medical Pathophysiology I.	2	–	2	semi-final
Industrial Pharmaceutical Technology I. ¹	2	–	2	semi-final
Total Number of Credit Points			31	

[#] The grade influences the qualification of the diploma.

¹ Obligatory elective subject.

Fourth Year – 8th semester

Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
Pharmacology and Toxicology II. Practice	–	2	2	pract. course grade
Pharmacology and Toxicology II.	4	–	4	final [#]
Pharmaceutical Technology IV. Practice	–	9	6	pract. course grade
Pharmaceutical Technology IV.	3	–	4	final [#]
Pharmacy Administration I.	2	–	2	semi-final
Basic Medical Pathophysiology II.	2	–	2	final [#]
Public Health	2	–	2	final [#]
Public Health Practice	–	2	2	pract. course grade
Written scientific thesis (diploma work) I.	–	4	0	signature
Industrial Pharmaceutical Technology II. ¹	2	–	2	semi-final
Total Number of Credit Points			26	

[#] The grade influences the qualification of the diploma.

¹ Obligatory elective subject.

Fifth Year – 9th semester (12 weeks)

Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
Compulsory Practical Training I. (2 months) ¹	–	40	8	signature
Biopharmacy-Pharmacokinetics Practice	–	3	2	pract. course grade
Biopharmacy-Pharmacokinetics	2	–	2	semi-final
Pharmaceutical Sociology, Ethics	2.5	–	2	semi-final
Drug Therapy Practice	–	2	0	signature
Drug Therapy	2	–	4	semi-final
Pharmacy Administration II. Practice	–	2	2	pract. course grade
Pharmacy Administration II.	2	–	2	final [#]
Pharmaceutical Care ²	2	–	4	semi-final
Pharmaceutical Care Practice	–	3	–	semi-final
Written Scientific Thesis (diploma work) II.	–	6	0	signature
Facultative subject 1.	3	–	2	semi-final
Facultative subject 2.	3	–	2	semi-final
Facultative subject 3.	3	–	2	semi-final
Total Number of Credit Points			32	

[#] The grade influences the qualification of the diploma.

¹ The first part of the practical training (2 months/320 hours) has to be done in a public/community Pharmacy. Student should ask for permission if he/she would like to do the summer practice outside of Hungary, which has to be done in a public/community pharmacy and bring an acceptance letter.

² The new name of Clinical Pharmacy is Pharmaceutical Care.

Fifth Year – 10th semester (16 weeks)

Subjects	Weekly		Credit Points	Examination
	Lectures	Practicals		
Compulsory Practical Training I. (4 months) ¹	–	40	16	signature
Diploma Defence			15	final
Total Number of Credit Points			31	

¹ Second part of the practical training (4 months) has to be done in a public pharmacy and in a hospital pharmacy (4 weeks at the same place).

Semmelweis University Doctoral Studies

(Ph.D. School)

The School of Ph.D. Studies provides high quality education in scientific research. Doctoral candidates are welcome to join the following medical, biological and pharmaceutical programs:

Molecular Medicine (Human Molecular Genetics, Developmental Biology, Cellular and Molecular Physiology, Pathobiochemistry, Immunology)

Physiology (Circulatory System, Ischemic Cardiovascular Disorders, Exogenous and Endogenous Cardiovascular Agents, Fluid-Electrolyte Regulation, Ionizing Radiation)

Pathology (Oncology, Pathology of Extracellular Matrix, Microbiology, Public Health and Health Sciences)

Pharmacology, Pharmaceutical Sciences

Neuroscience (Basic Neuroscience, Neurology, Clinical Psychology and Psychiatry)

Clinical Medicine (Liver Diseases, Fetal and Neonatal Medicine, Chronic Diseases in Childhood, Gastroenterology, Dental Research, Hematology, Endocrinology, Orthopedics and Traumatology, Respiratory tract Diseases)

Educational and Sport Sciences

Ph.D. Secretariat

H-1085 Budapest, Üllői út 26, Hungary

(Ground floor, Room #9)

Phone: (36-1) 266-2343, 266-7483

Fax: (36-1) 317-4888

All information and contact persons can be found on our website: <http://phd.semmelweis.hu>

Pre-Medical Program, McDaniel College – Budapest Campus

The Pre-Medical Program of McDaniel Europe – The Budapest Campus of McDaniel College prepares students – who require additional instructions or review in sciences and in English language – to take the entrance examinations for the regular Degree Program.

With English as the language of instruction, the following subjects are covered: General English, Medical English, Biology, Chemistry, Physics, Hungarian Language.

All learning at the Pre-Medical Program focuses on the individual needs of the students. They develop skills as well as acquire knowledge and personal qualities necessary for university studies. During the course students have regular tests

both written and oral to get practice in taking examinations.

Although the admission rate from the Pre-Medical Program is very high, it must be understood that completion of this course does not imply or assure admission or dispense with entrance examination to the degree programs at Semmelweis University.

Further information, brochures can be obtained from our service provider, College International:

H-1406 Budapest 76, P.O. Box 51, Hungary

Phone: (36-1) 413-3015, 413-3033

Fax: (36-1) 413-3030, 413-3035

E-mail: preparatory@studyhungary.hu

Web: www.studyhungary.hu

**OTHER INTERNATIONAL DEGREE PROGRAMS
AT HUNGARIAN UNIVERSITIES**

Semmelweis University, Budapest

Faculty of Health Sciences

Physiotherapy (B.Sc.): 4 years, in English • Physiotherapy (M.Sc.): 1½ years, in English

Nursing (B.Sc.): 4 years, in English • Nursing (M.Sc.): 1½ years, in English

Midwifery (B.Sc.): 4 years, in English

Optometry (B.Sc.): 4 years, in English

Health Visitor (B.Sc.): 4 years, in English



Szent István University, Budapest

Faculty of Veterinary Science

Veterinary Medicine: 5½ years, in English and German



ONE-YEAR PRE-MEDICAL PROGRAM IN ENGLISH AND GERMAN

McDaniel Europe – The Budapest Campus of McDaniel College

Students are taking selected courses from the McDaniel catalog, which can also prepare them for studies at degree programs in Medicine, Dentistry, Pharmacy, Physiotherapy, Veterinary Medicine, Nursing, and Midwifery worldwide, including universities in Hungary.



ONE-YEAR FOUNDATION PROGRAM IN ENGLISH

Students are taking selected courses from the McDaniel catalog, which prepare them for further studies in Art History, Business Administration, Communication, Economics, Political Science, Psychology or other major fields of study or for entry into the pre-medical program.



More information at www.studyhungary.hu

**AMERICAN UNDERGRADUATE AND STUDY ABROAD PROGRAMS
IN BUDAPEST**

McDaniel Europe – The Budapest Campus of McDaniel College →

→ McDaniel College – Westminster, Maryland, USA

American B.A. Programs in

- Art History and Art • Economics •
- Business Administration • Communication •
- Political Science • International Studies •
- Psychology • Study Abroad Programs •
- One-year Pre-Medical Program •
- One-year Intensive Foundation Program in English •

www.mcdaniel.hu




Budapest Semesters in Mathematics

- Undergraduate Study Abroad Program for North-American students •

www.stolaf.edu/depts/math/budapest

Published by IS International Studies

 Printed on recycled paper.



IS International Studies
E-mail: info@studyhungary.hu
Web site: www.studyhungary.hu



<http://semmelweis.hu>

SEMMELWEIS UNIVERSITY – PROGRAMS IN ENGLISH

APPLICATION FORM

To Begin Studies in September 2015

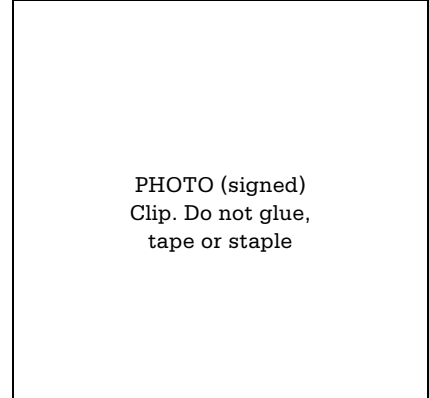
1. Type or block print all information.

2. These items should be attached to the application:

- Copy of Secondary School Leaving Certificate (in English or with an authorized translation) and all official transcripts from your secondary school.
- Letter of recommendation.
- Curriculum Vitae in English (attach separate page).
- Motivation letter.
- Medical report (including negative HIV test and Hepatitis B vaccination, certification of not having chronic infectious disease and dyslexia).
- Two passport size photos (signed on the back).
- Copy of passport with your personal data.
- Application Fee USD 200 (non refundable) payable to the local representative. If there is no local representative please transfer the fee to the bank account of IS International Studies.
- Bank receipt for the Examination Fee (USD 250 if the exam is taken in Budapest. Non refundable after application deadline).

3. Sign the application on page 2.

4. Submit all application documents to your local representative:



[Dashed box for signature]

Deadline for application:
May 31, 2015

Due to the great and increasing number of applicants, early application is encouraged.

Location of the entrance examination:

If nothing is indicated send it directly to Semmelweis University, English Secretariat (H-1094 Budapest, Tűzoltó u. 37-47.), or to the Student Service Center (College International, H-1406 Budapest 76, P.O. Box 51).

I apply for Doctor of Medicine Doctor of Dentistry Doctor of Pharmacy program
Please, tick (✓) the appropriate box.

Family Name (Surname) [Grid]

First Name (Given name) [Grid]

Please, write your name as written in the passport.

[Grid] [Grid] [Grid]
Sex (F/M) Birthdate (D/M/Y) Birthplace (City, Country)

[Grid] [Grid]
Citizenship* Country Code and Passport or ID card No.

[Grid]
Permanent Address (No., Street, City, Postal Code, Country)

[Grid] [Grid]
Phone/Fax at Perm. Address E-mail

Where and how did you **first** learn about this program (please, specify): _____

Where else did you get further information from:

- <http://semmelweis.hu> local representative www.studyhungary.hu advertisement
 educational fair/seminar student in Hungary friend/relative other

* If you have a dual citizenship please underline that country's, whose passport you will use when entering Hungary.

ACADEMIC RECORD

1. List all secondary schools attended and (if any) high-schools, degree programs

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

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

Certificate issued by: _____ No: _____

3. Sciences studied (please underline!): Biology – Chemistry – Physics

4. Activity following graduation, if any: _____

5. What is your mother tongue? _____

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

Hungarian? Speak: _____ Read: _____ Write: _____

PERSONAL INFORMATION

6. Your Marital Status _____

7. Father's name _____ Occupation _____

Address _____

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

Address _____

8. Person to notify in emergency:

Name Relationship Daytime Phone

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

9. **CURRICULUM VITAE.** Attach separate page!

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

(Signed) _____ Date: _____