



**UNIVERSITY *of***  
**DEBRECEN**

English language PhD programs

For International Students

# Why choose the University of Debrecen?

The University of Debrecen in Hungary is one of Central Europe's top educational and research institutions. It offers a wide range of internationally recognized academic courses in Medical, Engineering, Business, IT, and Agricultural programs among many others to its 27,000 students. Debrecen is a charming and fast-developing school town in the heart of Europe.

## We are highly ranked by the most prestigious higher education rankings:

**30** in QS EECA ranking 2019

**201-250** in THE Emerging Economies University Rankings 2019


**201-250** in QS WUR by Subject "Agriculture&Forestry"

**251-300** in QS WUR by Subject "Medicine"

**U-Multirank: Group 1** - very good regarding foreign language bachelor's programs.

**601-650** in QS World University Rankings

## University facts:

 27,000+ students	 5,600 international students from over 110 countries
 14 Faculties on 7 campuses	 1,542 academic staff
 16:1 student/academic staff ratio	 189 international academic staff
 100+ lecture halls	 363 University buildings
 500+ research labs	 530+ practice and seminar rooms
 7 libraries	 135 laboratories and language labs
 15 gyms	 6,000,000+ library documents

# Thank you for your interest in the doctoral training program at the University of Debrecen.

PhD studies are coordinated by the University Doctoral and Habilitation Council of the University of Debrecen. An MSc degree in a relevant field, acceptance by a supervisor and a Doctoral school (including a preliminary research proposal signed by the supervisor) and at least upper-intermediate level of English knowledge are prerequisites for entering our training program.

The official PhD training program lasts for 8 semesters. At the end of the 4th semester a complex examination should be completed, which evaluates the student's progress in the academic course work and his/her research field. The doctoral student may only register for the fifth semester of the doctoral program after successfully completing the complex examination.

Upon the successful completion of the 8th semesters of the training program, the doctoral student is given a pre-degree certificate (absolutorium). The absolutorium is the document evidencing that the doctoral student has completed all academic requirements.

## Requirements for the PhD degree:

- a pre-degree certificate (absolutorium);
- submission and defence of a doctoral dissertation.

The doctoral student is required to submit the final version of the doctoral dissertation within three years after the complex examination.

## Application deadlines:

- 15 May - for the autumn semester (starting in September)
- 15 November - for the spring semester (starting in February)

The first step is to find a supervisor who is willing to accept the prospective applicant. Once the applicant is accepted by a supervisor and a Doctoral school, the further official steps are managed by the Coordinating Center for International Education.

The list of the Doctoral schools belonging to our University along with a short description of their research focus is provided below. Please first send your CV and the short description of your scientific interest along with your inquiry directly to the Doctoral school fitting your interest, or one of the potential supervisor. Getting the preliminary approval, you can submit your formal application through our online application system.

## Tuition fee and scholarship possibilities:

### Tuition Fee:

- 12,500 USD/year in the case of the Business and Management, PhD program
- 16,900 USD/year in the case of Medical, Pharmaceutical and Health Sciences Doctoral programs and Doctoral school of Nutrition and Food Sciences, PhD program
- 6,500 USD/year in the case of every other PhD program

### Full scholarship possibilities for September intake:

In the frame of the Stipendium Hungaricum Scholarship Program scholarship is offered for the applicants, and the tuition fee is covered as well. For application details, special conditions and deadlines please visit: [www.stipendium.hu](http://www.stipendium.hu)

*The latest information about our doctoral programs including the academic requirements for each Doctoral school can be found online at [www.edu.unideb.hu](http://www.edu.unideb.hu). For more information please contact us at [info@edu.unideb.hu](mailto:info@edu.unideb.hu).*

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# Animal Science, PhD

<b>Doctoral school:</b>	Animal Science
<b>Doctoral council of disciplinary area:</b>	Agricultural Sciences
<b>Discipline:</b>	Animal Sciences
<b>Research areas:</b>	<ul style="list-style-type: none"><li>• Production of animal products</li><li>• Nutrition, fish biology</li><li>• Reproductive biology</li><li>• Genomics</li><li>• Animal genetics – Gene conservation, Animal ecology</li></ul>
<b>Duration:</b>	8 semesters
<b>Starting date:</b>	September/February
<b>Aim of the program:</b>	<p>The basic philosophy of the Doctoral school of Animal Science from the beginning has been to improve modern animal breeding and animal science based on classic knowledge with the application of the newest results of joint sciences (molecular genetics, molecular biology, immunology, molecular nutrition, informatics, environmental sciences, management, behaviour, etc.) for the production of superior animal products, quality and safe human food, and other economical animal products while decreasing the environmental burden. PhD students of the Doctoral school carry out their research work in fields which are of great interest to animal producers, agricultural enterprises and organizations.</p> <p>An even more significant factor is the development, calculation and dissemination of new scientific results. The Doctoral school provides the possibility for research and doctoral work in the area of cattle, pig, small ruminants, horse and poultry breeding, game management and genetics.</p>
<b>Language requirements:</b>	English language proficiency (TOEFL 547 /IELTS 6.0 /oral exam)
<b>Entry requirements:</b>	Relevant master's degree
<b>Fees:</b>	Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 6,500 USD/year



The latest information about our programs can be found online at [www.edu.unideb.hu](http://www.edu.unideb.hu)

# Crop, Horticultural and Regional Sciences, PhD

<b>Doctoral school:</b>	Kálmán Kerpely Doctoral school
<b>Doctoral council of disciplinary area:</b>	Agricultural Sciences
<b>Discipline:</b>	Crop production and horticultural sciences
<b>Research areas:</b>	<ul style="list-style-type: none"><li>• Horticultural sciences</li><li>• Crop production sciences</li></ul>
<b>Duration:</b>	8 semesters
<b>Starting date:</b>	September/February
<b>Aim of the program:</b>	<p>The Kálmán Kerpely Doctoral school has doctoral programs in crop production, horticultural and regional sciences. The crop production and horticultural doctoral program investigates the impact of land use systems and agriculture on the state and changes in natural resources (water, soil, air).</p> <p>In the Faculty of Agricultural and Food Sciences and Environmental Management research is primarily based on the multifactor field experiments (crop rotation - tillage – fertilization – irrigation – number of plants – genotype) and their findings that are unique and acknowledged throughout Europe with 38 years of history.</p> <p>The Doctoral school was founded by twenty-two regular members (seven professors, one professor emeritus, one scientific advisor, eight associate professors and two scientific research assistants). The Doctoral school and the related institutions have remarkable technical equipment which is suitable to meet national and international expectations.</p>
<b>Language requirements:</b>	English language proficiency (TOEFL 547 /IELTS 6.0 /oral examination)
<b>Entry requirements:</b>	Relevant master's degree
<b>Fees:</b>	Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 6,500 USD/year



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# Nutrition and Food Sciences, PhD

**Doctoral school:** Doctoral school of Nutrition and Food Sciences

**Doctoral council of disciplinary area:** Agricultural Sciences, Nutrition Sciences

**Discipline:** Food Sciences, Health Sciences

**Research areas:**

- Nutritional sciences including nutrition & health,
- Health and the pharmaceutical industry and food sciences including food safety, food quality, emerging food biotechnology and technology.

**Duration:** 8 semesters

**Starting date:** September/February

**Aim of the program:** Research in food and engineering sciences is increasingly widespread as new challenges emerge in the field of food quality and safety and as new procedures are introduced in the food chain. The food chain is understood in terms of the concept „from farm to table” including rotational agricultural practices with the issue of food waste. The Doctoral school offers the opportunity to dig deeper into these areas on a postgraduate level. Nutrition-related research is of increasing importance in terms of preventing obesity, diabetes, digestive, heart and circulatory diseases. The interrelations of these diseases with food quality and food-related physiological impacts represent an increasing rate in the international research of this field, especially pharmacological changes that can be applied in clinical practice. In addition to medicine and food the research into nutritional therapy is also included in the doctoral program. Nutrition therapy encompasses medical treatments, food-drug interactions, scientific questions of nutrition and the nutrition-related issues of certain pathological conditions. The University of Debrecen with its interfaculty connections offers this doctoral program as an exceptional opportunity to research the above fields.

**Language requirements:** CERF level B2

**Entry requirements:** MSc degree in the field of agricultural sciences, MSc degrees in nutrition, medicine, pharmacy, dentistry, public health, molecular biology, biotechnology in medicine, and clinical laboratory research are accepted by the Doctoral school as an entrance requirement (including a preliminary research proposal signed by the supervisor).

**Fees:** Application fee 150 USD, entrance procedure fee 350 USD  
Tuition Fee: 16,900 USD/year



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# English and American Literature, PhD

**Doctoral school:** Doctoral school of Literature

**Doctoral council of disciplinary area:** Humanities

**Discipline:** Literary and cultural studies

**Research areas:** English and North American literature

**Duration:** 8 semesters

**Starting date:** September/February

**Short description:** The Institute of English and American Studies invites graduates of universities other than the University of Debrecen to continue their studies in one of these PhD programs. Only students with a university/MA degree are accepted, based on an interview that evaluates the applicant's scholarly performance, proposed doctoral work, and general professional intelligence. Further professional conditions can be set by the university or faculty councils as well as by the doctoral program committees themselves. Doctoral students may be engaged in teaching in the undergraduate program of the University of Debrecen.

The applicants of the program may choose from the following research areas: British studies, (North) American studies, Canadian studies, Australian studies, literary and cultural studies, American, British, Australian history, comparative literature, film studies, media studies, gender studies, postcolonial studies.

The instructional part of this doctoral program provides students with the theoretical and historical background as well as with analytical skill necessary for the completion of their dissertation, in the disciplines and fields specified above.

**Language requirements:** English language proficiency (TOEFL 600 /IELTS 8.0 /oral examination)

**Entry requirements:** Relevant master's degree

**Fees:** Application fee 150 USD, entrance procedure fee 350 USD  
Tuition Fee: 6,500 USD/year



The latest information about our programs can be found online at [www.edu.unideb.hu](http://www.edu.unideb.hu)

# English Linguistics, PhD

<b>Doctoral school:</b>	Doctoral school of Linguistics
<b>Doctoral council of disciplinary area:</b>	Humanities
<b>Discipline:</b>	English linguistics
<b>Research areas:</b>	<ul style="list-style-type: none"><li>• Doctoral program of general and applied linguistics</li><li>• English linguistics</li></ul>
<b>Duration:</b>	8 semesters
<b>Starting date:</b>	September/February
<b>Short description:</b>	<p>We are especially interested in syntax, morphology, semantics, and pragmatics; as well as in the more interdisciplinary fields of computational linguistics, discourse analysis, first and second language acquisition, and sociolinguistics. With a firm devotion to linguistic theory, we also welcome and encourage experimental and corpus-driven approaches to the study of language; and though we focus on English, we are also open to other languages of the world.</p> <p>Only students with a university/MA degree are accepted, based on an interview that evaluates the applicant's scholarly performance, research proposal, and general professional intelligence. Doctoral students may be engaged in teaching in the undergraduate program of the University of Debrecen.</p>
<b>Language requirements:</b>	English language proficiency (TOEFL 600 /IELTS 8.0 /oral examination)
<b>Entry requirements:</b>	Relevant master's degree, research plan
<b>Fees:</b>	Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 6,500 USD/year



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# History and Ethnology, PhD

<b>Doctoral school:</b>	Doctoral school of History and Ethnology
<b>Doctoral council of disciplinary area:</b>	Humanities
<b>Discipline:</b>	History, ethnography and cultural anthropology
<b>Duration:</b>	8 semesters
<b>Starting date:</b>	September/February
<b>Aim of the program:</b>	<p>The University of Debrecen, Doctoral school of History and Ethnology provides possibilities to acquaint scientific (PhD degree) qualification in the area of two disciplines in Humanities. The History Programme and the Ethnology Programme endeavour to support students to extend their research activities, to establish a stable and professional background to the young researchers in order to obtain success in their own research field.</p> <p>In the frame of the History Programme students have options to getting knowledge and doing research in the area of the Hungarian and world history, social and economy history, history of political ideas and institutions, ancient history and arts. Additionally the structure of the Ethnology Program ensures learning and research possibilities in cultural ecology and anthropology, religion history, peoples, regions and cultures in Middle-Europe.</p>
<b>Language requirements:</b>	English language proficiency (TOEFL 547 /IELTS 6.0 /oral exam)
<b>Entry requirements:</b>	Relevant master's degree
<b>Fees:</b>	Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 6,500 USD/year



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# Management and Business, PhD

<b>Doctoral school:</b>	Károly Ihring Doctoral school of Management and Business
<b>Classification by branch of science:</b>	Social Sciences
<b>Research areas:</b>	Management and Organization Sciences
<b>Duration:</b>	8 semesters
<b>Starting date:</b>	September/February
<b>Short description:</b>	<p>The aim of doctoral training is to enable doctoral candidates to perform high quality scientific work. They have to be able to plan and conduct primary and secondary research, as well as process the respective technical literature in an analytical and synthesizing manner. Obtaining scientific methodological skills and using these methods are a requirement during the PhD course.</p> <p>The research field of the Doctoral school is built on the traditions of its legal predecessor. In a wider sense, the Doctoral school is active in the fields of business, management, business administration, agribusiness, accounting, economics, sectoral methodology, marketing, finance, enterprise economics, rural development, sports economics, international relations, and supply chain management.</p>
<b>Language requirements:</b>	English language proficiency (TOEFL 547 /IELTS 6.0 /oral examination)
<b>Entry requirements:</b>	Relevant master's degree
<b>Master's programs accepted as entrance requirement for the PhD program:</b>	Master of Business Administration, Supply Chain Management, International Economy and Business, Accountancy, Business Development, Management and Leadership.
<b>Fees:</b>	Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 12,500 USD/year



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# Informatics, PhD

<b>Doctoral school:</b>	Doctoral school of Informatics
<b>Doctoral council of disciplinary area:</b>	Doctoral Council of Natural Sciences and Informatics
<b>Research areas:</b>	<ul style="list-style-type: none"><li>• Discrete mathematics, data processing and visualization</li><li>• Theoretical foundation and applications of information technology and stochastic systems</li><li>• Theoretical computer science, data security and cryptography</li><li>• Information technology systems and networks</li><li>• Applied information technology and its theoretical background</li><li>• Industrial and scientific applications of informatics</li></ul>
<b>Duration:</b>	8 semesters
<b>Starting date:</b>	September/February
<b>Aim of the program:</b>	Students participating in our programs will be introduced to current scientific topics in the field of informatics. They get the ability to individually conduct scientific research including empirical and analytical investigations. They get an insight into working in and leading scientific working groups through research projects. Available topics include a broad field of informatics from theory to application. Students can join topics announced for each program. For more information about the programs and the announced topics please see the page of the Doctoral school: <a href="https://infphd.unideb.hu/en/">https://infphd.unideb.hu/en/</a>
<b>Language requirements:</b>	English language proficiency (TOEFL 547 /IELTS 6.0 /oral examination)
<b>Entry requirements:</b>	Relevant master's degree
<b>Fees:</b>	Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 6,500 USD/year



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# Clinical Medicine, PhD

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<b>Doctoral school:</b>	Doctoral school of Clinical Medicine
<b>Doctoral council of disciplinary area:</b>	Medical Sciences
<b>Discipline:</b>	Clinical Medicine
<b>Research areas:</b>	<ul style="list-style-type: none"><li>• clinical epidemiology</li><li>• surgical and non-surgical medical sciences</li><li>• experimental and clinical oncology</li></ul>
<b>Duration:</b>	8 semesters
<b>Starting date:</b>	September/February
<b>Aim of the program:</b>	The Doctoral school provides high quality education in clinical and experimental research in the following programs: clinical epidemiology, surgical and non-surgical medical sciences, experimental and clinical oncology. The efficiency of the work of the Doctoral school is proven by the high number and quality of defended PhD dissertations.
<b>Language requirements:</b>	CEFR level B2
<b>Entry requirements:</b>	Doctor of Medicine/Dentistry/Pharmacy degree or MSc degree in a relevant field of natural sciences; acceptance by a supervisor and a Doctoral school (including a preliminary research proposal signed by the supervisor and the head of the school)
<b>Fees:</b>	Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 16,900 USD/year



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# Dental Sciences, PhD

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<b>Doctoral school:</b>	Doctoral school of Dental Sciences
<b>Doctoral council of disciplinary area:</b>	Medical Sciences
<b>Discipline:</b>	Clinical Medicine
<b>Research areas:</b>	<ul style="list-style-type: none"><li>• Development, clinical testing and application of new materials,</li><li>• Techniques and treatment methods;</li><li>• The role of oral cavity in immune homeostasis,</li><li>• Connection of the oral status with systemic diseases, etc.</li></ul>
<b>Duration:</b>	8 semesters
<b>Starting date:</b>	September/February
<b>Aim of the program:</b>	The various fields of dental sciences form a very exciting research area nowadays. The oral cavity represents the first gate of the human body; therefore, it has a privileged position in the point of immune homeostasis. It is not a simple entry gate to the organism: it has many essential functions including chewing, the oral phase of digestion, tasting, speech, and last -but not least- it has a critical impact on people's appearance. In addition, unhealthy oral status contributes to the development of various systemic diseases such as stroke, myocardial infarction and COPD. Another important part of dental sciences and research interest is comprised of dental materials, the analysis of interfacial systems in dentistry, polymers including hydrophobic, and hydrophilic systems with different nanoparticles, metal and ceramic-bioceramic implant surface modification, the epidemiology of polymer and metal allergy and influence on cell metabolism. The accredited supervisors of the Doctoral school of Dental Sciences offer many interesting research topics from the above-mentioned issues for future PhD students and young doctors.
<b>Language requirements:</b>	CEFR level B2
<b>Entry requirements:</b>	MSc degree in a relevant field according to the research subject or a Doctor of Medicine/Dentistry/Pharmacy degree; acceptance by a supervisor and a Doctoral school (including a preliminary research proposal signed by the supervisor and the head of the school).
<b>Fees:</b>	Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 16,900 USD/year



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# Gyula Petrányi Doctoral school of Clinical Immunology and Allergology, PhD

**Doctoral school:** Gyula Petrányi Doctoral school of Clinical Immunology and Allergology

**Doctoral council of disciplinary area:** Medical Sciences

**Discipline:** Clinical Medicine

**Research areas:**

- Normal and pathological immune regulation,
- Molecular pathology,
- Modern therapy of autoimmune and inflammatory diseases, immunopathology of infections and immunodeficiency.

**Duration:** 8 semesters

**Starting date:** September/February

**Aim of the program:** The research focus of the Gyula Petrányi Doctoral school is the normal and pathological immune regulation, molecular pathology and modern therapy of autoimmune and inflammatory diseases, immunopathology of infections and immunodeficiency. The regular members of the school are partly clinicians and partly basic researchers. The regular members have wide Hungarian and international reputations. Doctoral programs include autoimmune diseases, allergic diseases, rheumatology, infectious diseases, and immunodeficiency.

**Language requirements:** CEFR level B2

**Entry requirements:** Doctor of Medicine/Dentistry/Pharmacy degree or MSc degree in the field of molecular biology, biotechnology, or chemistry; acceptance by a supervisor and a Doctoral school (including a preliminary research proposal signed by the supervisor and the head of the school)

**Fees:** Application fee 150 USD, entrance procedure fee 350 USD  
Tuition Fee: 16,900 USD/year



The latest information about our programs can be found online at [www.edu.unideb.hu](http://www.edu.unideb.hu)

# Health Sciences, PhD

**Doctoral school:** Doctoral school of Health Sciences

**Doctoral council of disciplinary area:** Medical Sciences

**Discipline:** Health Sciences

**Research areas:**

- Public health,
- Preventive medicine,
- Metabolic and endocrine diseases

**Duration:** 8 semesters

**Starting date:** September/February

**Aim of the program:** The Doctoral school of Health Sciences with the PhD program of preventive medicine and public health was accredited in 2001. At present the Doctoral school of Health Sciences has two programs: "Preventive medicine and public health" and "Metabolic and endocrine diseases". The PhD degree is offered to those who want to engage in public health research. Prerequisites for entering the program include: a university degree, a research proposal accepted by a supervisor and an excellent knowledge of English.

A wide variety of research topics and PhD courses are available for PhD students in the research fields listed above.

**Language requirements:** CEFR level B2

**Entry requirements:** Master programs accepted as entrance requirement for the PhD program include: doctor of medicine, public health, dentistry, pharmacy, health care policy, planning and financing, health psychology, complex rehabilitation, nutritional sciences, social work in health care, nursing, clinical laboratory science, and molecular biology.

**Fees:** Application fee 150 USD, entrance procedure fee 350 USD  
Tuition Fee: 16,900 USD/year



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# Kálmán Laki Doctoral school, PhD

<b>Doctoral school:</b>	Kálmán Laki Doctoral school
<b>Doctoral council of disciplinary area:</b>	Medical Sciences
<b>Discipline:</b>	Theoretical Medicine, Clinical Medicine
<b>Research areas:</b>	<ul style="list-style-type: none"><li>• Thrombosis,</li><li>• Hemostasis,</li><li>• Vascular biology</li><li>• Hematology</li><li>• Cardiovascular diseases</li></ul>
<b>Duration:</b>	8 semesters
<b>Starting date:</b>	September/February
<b>Aim of the program:</b>	The Doctoral school provides high quality education both in clinical and experimental research in the following programs: thrombosis, hemostasis and vascular biology, hematology, and cardiovascular diseases, Biochemical and molecular genetic basic research.
<b>Language requirements:</b>	CEFR level B2
<b>Entry requirements:</b>	MSc degree in a relevant field according to the research subject or a Doctor of Medicine/ Dentistry/Pharmacy degree; acceptance by a supervisor and a Doctoral school (including a preliminary research proposal signed by the supervisor and the head of the school).
<b>Fees:</b>	Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 16,900 USD/year



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# Molecular Cell and Immune Biology, PhD

<b>Doctoral school:</b>	Doctoral school of Molecular Cellular and Immune Biology
<b>Doctoral council of disciplinary area:</b>	Medical Sciences
<b>Discipline:</b>	Theoretical Medicine
<b>Research areas:</b>	<ul style="list-style-type: none"><li>• Biochemistry</li><li>• Molecular biology</li><li>• Cell biology</li><li>• Immune biology</li></ul>
<b>Duration:</b>	8 semesters
<b>Starting date:</b>	September/February
<b>Aim of the program:</b>	The Doctoral school provides high quality education in scientific research on molecular biology, cell biology and immune biology. Motivated doctoral candidates holding a MD or MSc (biology, chemistry, physics) degree are welcome to join one of the approximately 50 research programs of the Doctoral school. These include the investigation of the molecular mechanism of physiological cell death, development of adipose tissue and obesity, innate immunity, autoimmune processes, allergy, stem cell biology, chromatin structure, reproduction of retroviruses, phagocytosis, protein-protein interactions, epigenetics, proteomics, bioinformatics and molecular modelling. Progress in a research program is assisted by a thesis committee assigned to each PhD student. Teachers of the school hold altogether about 30 PhD courses every year, almost all of them in English. Research groups working in the school have outstanding grant support and excellent infrastructure.
<b>Language requirements:</b>	CEFR level B2
<b>Entry requirements:</b>	MSc degree in a relevant field or Doctor of Medicine/Dentistry/Pharmacy degree; acceptance by a supervisor and a Doctoral school (including a preliminary research proposal signed by the supervisor and the head of the school)
<b>Fees:</b>	Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 16,900 USD/year



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# Molecular Medicine, PhD

<b>Doctoral school:</b>	Doctoral school of Molecular Medicine
<b>Doctoral council of disciplinary area:</b>	Medical Sciences
<b>Discipline:</b>	Theoretical Medicine
<b>Research areas:</b>	<ul style="list-style-type: none"><li>• Molecular and cell biology of cellular signaling</li><li>• Membrane physical questions and methods</li><li>• Physiology and neurobiology</li></ul>
<b>Duration:</b>	8 semesters
<b>Starting date:</b>	September/February
<b>Aim of the program:</b>	<p>The goal of the Doctoral school of Molecular Medicine (DSMM) is to prepare the next generation of leading researchers by providing a vibrant and productive research environment. Laboratory-based research together with lecture and practical courses, seminars, national and international conferences and access to modern technological platforms makes our Doctoral school one of the best in the country. The cornerstone of the doctoral experience is the research apprenticeship that all students undertake, under the guidance of their academic advisor. Students in the DSMM graduate program are provided with numerous opportunities to gain insight into clinical and translational aspects of disease. The programs of the Doctoral school focus on the biophysical, biochemical, and physiological aspects of cellular signaling pathways of excitable and non-excitable cells. The DSMM provides a variety of projects within three doctoral programs: "Molecular and cell biology of cellular signaling", "Biophysical questions and methods" and "Physiology and neurobiology".</p>
<b>Language requirements:</b>	CEFR level B2
<b>Entry requirements:</b>	MSc degree (biology, physics, chemistry, molecular biology or other relevant field) or Doctor of Medicine/Dentistry/Pharmacy degree, acceptance by a supervisor and a Doctoral school (including a preliminary research proposal signed by the supervisor and the head of the school)
<b>Fees:</b>	Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 16,900 USD/year



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# Neuroscience, PhD

<b>Doctoral school:</b>	Doctoral school of Neuroscience
<b>Doctoral council of disciplinary area:</b>	Medical Sciences
<b>Discipline:</b>	Theoretical Medicine, Clinical Medicine
<b>Duration:</b>	8 semesters
<b>Starting date:</b>	September/February
<b>Aim of the program:</b>	<p>The goal of the Doctoral school of Neuroscience is to offer an excellent niche for neuroscience research where PhD students and supervisors can work together in the most efficient way. The school aims at providing the most modern neuroscience facilities and state-of-the-art research in the field of basic and clinical neuroscience. The subjects studied range from the molecular biology of neurally active molecules, to cellular and network neuroscience, to human brain imaging. The wide range of PhD courses, international workshops and symposia help the students get off to a productive start early in their research career. The broad array of scientists from other disciplines support to develop skills in complementary fields. The Doctoral school, established in 2009, currently has 58 PhD students and more than 30 academics.</p>
<b>Language requirements:</b>	CEFR level B2
<b>Entry requirements:</b>	MSc degree in a relevant field or Doctor of Medicine/Dentistry/Pharmacy degree; acceptance by a supervisor and a Doctoral school (including a preliminary research proposal signed by the supervisor and the head of the school)
<b>Fees:</b>	Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 16,900 USD/year



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# Pharmaceutical Sciences, PhD

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<b>Doctoral school:</b>	Doctoral school of Pharmacy
<b>Doctoral council of disciplinary area:</b>	Medical Sciences
<b>Discipline:</b>	Pharmaceutical Sciences
<b>Research areas:</b>	<ul style="list-style-type: none"><li>• Microbiology program: virology, bacteriology and mycology</li><li>• Pharmacology program: pharmacology, pharmaceutical chemistry and pharmaceutical technology</li></ul>
<b>Duration:</b>	8 semesters
<b>Starting date:</b>	September/February
<b>Aim of the program:</b>	The Doctoral school of Pharmacy offers education and scientific research opportunities in two doctoral programs. The main research fields in the pharmacology program are: pharmacology, pharmaceutical chemistry and pharmaceutical technology. PhD students in microbiology can join research in virology, bacteriology or mycology. Owing to good cooperation with clinics and the laboratory diagnostic task of the supervisors, not only theoretical, but also clinical research topics are available.
<b>Language requirements:</b>	CEFR level B2
<b>Entry requirements:</b>	MSc degree in the field of biology or chemistry, or a Doctor of Medicine/Dentistry /Pharmacy degree (such as pharmacist, biologist, molecular biologist, medical doctor, dentist, chemist); acceptance by a supervisor and a doctoral school (including a preliminary research proposal signed by the supervisor and the head of the school).
<b>Fees:</b>	Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 16,900 USD/year



The latest information about our programs can be found online at [www.edu.unideb.hu](http://www.edu.unideb.hu)

# Biology and Environmental Sciences, PhD

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<b>Doctoral school:</b>	Pál Juhász-Nagy Doctoral school
<b>Doctoral council of disciplinary area:</b>	Doctoral Council of Natural Sciences and Informatics
<b>Discipline:</b>	Biology, Environmental Sciences
<b>Research areas:</b>	<ul style="list-style-type: none"><li>• Applied Ecology</li><li>• Botany</li><li>• Evolutionary Ecology and Biodiversity</li><li>• Fermentation Biology and Biotechnology</li><li>• Functional and Restoration Ecology</li><li>• Hydrobiology</li><li>• Plant Biology and Biotechnology</li><li>• Quantitative and Terrestrial Ecology</li></ul>
<b>Duration:</b>	8 semesters
<b>Starting date:</b>	September/February
<b>Aim of the program:</b>	The Pál Juhász-Nagy Doctoral school is a leading institution in the field of biological and environmental sciences. The Doctoral school provides high quality education in scientific research. Doctoral candidates are welcome to join any of the following programs listed above. The doctoral programs are led by leading experts in their fields. We have well-developed international cooperation programs with prominent universities and research institutes worldwide. The Doctoral school employs a total of 150 lecturers, who cover a large spectrum of expertise in biological and environmental sciences. 176 students have acquired the PhD degree from the Doctoral school.
<b>Language requirements:</b>	English language proficiency (TOEFL 547 /IELTS 6.0 /oral examination)
<b>Entry requirements:</b>	Relevant master's degree
<b>Fees:</b>	Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 6,500 USD/year



The latest information about our programs can be found online at [www.edu.unideb.hu](http://www.edu.unideb.hu)

# Chemistry, PhD

**Doctoral school:** Doctoral school of Chemistry

**Doctoral council of disciplinary area:** Doctoral Council of Natural Sciences and Informatics

**Research areas:**

- Reaction kinetics and catalysis
- Coordination and analytical chemistry
- Macromolecular and surface chemistry
- Chemistry and chemical biology of carbohydrates and heterocycles
- Research on didactics of teaching chemistry at all levels

**Duration:** 8 semesters

**Starting date:** September/February

**Aim of the program:** The Doctoral school provides high quality education in scientific research related to chemistry. Doctoral candidates are welcome to join the following programs: reaction kinetics and catalysis, coordination chemistry, environmental instrumental and analytical chemistry, macromolecular and surface chemistry, chemistry, biochemistry and structural characterization of carbohydrate containing natural and synthetic materials, synthesis and structural study of natural heterocyclic compounds and their analogs.

The following skills will be considered and scored during the (oral) admission process: proficiency in chemistry, quality of diploma, previous scientific activity (research papers, lectures, posters, etc.)

**Language requirements:** English language proficiency (TOEFL 547 /IELTS 6.0 /oral examination)

**Entry requirements:** Relevant master's degree

**Fees:** Application fee 150 USD, entrance procedure fee 350 USD  
Tuition Fee: 6,500 USD/year



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# Earth Sciences, PhD

**Doctoral school:** Doctoral school of Earth Sciences

**Doctoral council of disciplinary area:** Doctoral Council of Natural Sciences and Informatics

**Research areas:**

- Landscape protection and climatology
- Natural and anthropogenic processes of the lithosphere and the hydrosphere
- Social geography and regional development

**Duration:** 8 semesters

**Starting date:** September/February

**Aim of the program:** The Doctoral school provides high quality education in scientific research. Doctoral candidates are welcome to join the following programs listed above.

The „Landscape protection and climate” program focuses on the close connection between landscape and climate research. The general aim of the program is to widen the scientific basis of landscape research and the basic and applied research related to this. The sustainable energetics subprogram deals with the study of the relationship between the natural and built environments.

The „Natural and anthropogenic processes of the lithosphere and hydrosphere” program focuses on the research area related to geology, geomorphology and geoinformatics.

The „Human geography – regional development” program's goal is to continue and improve the research activities in the sphere of modern regional development.

**Language requirements:** English language proficiency (TOEFL 547 /IELTS 6.0 /oral examination)

**Entry requirements:** Relevant master's degree

**Fees:** Application fee 150 USD, entrance procedure fee 350 USD  
Tuition Fee: 6,500 USD/year



The latest information about our programs can be found online at [www.edu.unideb.hu](http://www.edu.unideb.hu)

# Mathematical and Computational Sciences, PhD

<b>Doctoral school:</b>	Doctoral school of Mathematical and Computational Sciences
<b>Doctoral council of disciplinary area:</b>	Doctoral Council of Natural Sciences and Informatics
<b>Research areas:</b>	<ul style="list-style-type: none"><li>• Didactics – the teaching of mathematics</li><li>• Differential geometry and its applications</li><li>• Diophantine and constructive number theory</li><li>• Explicit methods in algebraic number theory</li><li>• Functional analysis</li><li>• Ring theory: group algebras and unit groups</li><li>• Mathematical analysis, functional equations and inequalities</li><li>• Computational science and its applications</li><li>• Probability theory, mathematical statistics and applied mathematics</li></ul>
<b>Duration:</b>	8 semesters
<b>Starting date:</b>	September/February
<b>Aim of the program:</b>	The Doctoral school provides high quality education in scientific research. Doctoral candidates are welcome to join the following programs listed above.
<b>Language requirements:</b>	English language proficiency (TOEFL 547 /IELTS 6.0 /oral examination)
<b>Entry requirements:</b>	Relevant master's degree
<b>Fees:</b>	Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 6,500 USD/year



The latest information about our programs can be found online at [www.edu.unideb.hu](http://www.edu.unideb.hu)

# Physics, PhD

<b>Doctoral school:</b>	Doctoral school of Physics
<b>Doctoral council of disciplinary area:</b>	Doctoral Council of Natural Sciences and Informatics
<b>Research areas:</b>	<ul style="list-style-type: none"><li>• Atomic and molecular physics</li><li>• Nuclear physics</li><li>• Solid state physics and material science</li><li>• Physical methods in interdisciplinary research</li><li>• Particle physics</li></ul>
<b>Duration:</b>	8 semesters
<b>Starting date:</b>	September/February
<b>Aim of the program:</b>	The Doctoral school provides high quality education in scientific research in Physics. Doctoral candidates are welcome to join the following programs: atomic and molecular physics, nuclear physics, solid state physics and material science, physical methods in interdisciplinary research, and particle physics.
<b>Language requirements:</b>	English language proficiency (TOEFL 547 /IELTS 6.0 /oral examination)
<b>Entry requirements:</b>	Relevant master's degree
<b>Fees:</b>	Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 6,500 USD/year



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# Human Sciences, PhD

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<b>Doctoral school:</b>	Doctoral school of Human Sciences
<b>Doctoral council of disciplinary area:</b>	Humanities
<b>Discipline:</b>	Philosophy, Pedagogy, Psychology
<b>Research areas:</b>	<ul style="list-style-type: none"><li>• Philosophy</li><li>• Educational sciences</li><li>• Psychology</li><li>• Sociology and social policy</li></ul>
<b>Duration:</b>	8 semesters
<b>Starting date:</b>	September/February
<b>Aim of the program:</b>	<p>The Doctoral school of Human Sciences involves altogether three disciplines – philosophy, education, psychology – making it unique in Hungary. The aim of the program is to provide theoretical knowledge to its students about knowledge-based society from a human studies approach. The Philosophy program includes the following areas: philosophy of mind, consciousness studies, the problem of the self in contemporary philosophy of mind and phenomenology, philosophy of language, Wittgenstein and Heidegger on language, introduction to film theory, film as philosophy, ancient philosophy (with a special focus on theology in the Hellenistic and Roman periods), modern philosophy, and bioethics.</p> <p>Educational sciences: The program is aimed at people who are interested in the actual problems of education and mediation of culture. However, present research is completed only when we know the past as well. The program investigates formal, informal, and nonformal learning and education policy in its historical and social context. This orientation allows us to conceive proposals for the future according to the realities of the present. The program attaches particular importance to international comparisons and draws attention primarily to the education, informal, and nonformal learning of Central Europe from a wider perspective.</p>
<b>Language requirements:</b>	English language proficiency (TOEFL 590 /IELTS 7.5 /oral examination)
<b>Entry requirements:</b>	Relevant master's degree
<b>Fees:</b>	Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 6,500 USD/year



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# Legal Studies, PhD

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<b>Doctoral school:</b>	Géza Marton Doctoral school of Legal and Political Sciences
<b>Doctoral council of disciplinary area:</b>	Social Sciences
<b>Research areas:</b>	Changes in state and law in Central and Eastern Europe
<b>Duration:</b>	8 semesters
<b>Starting date:</b>	September/February
<b>Aim of the program:</b>	<p>Currently, one doctoral program is available in the Doctoral school: "Changes of state and law in Central and Eastern Europe". The aim of our doctoral program is to contribute to the education of the next generation of academics in the area of law at a high standard. To this end, we intend to develop the ability of candidates to conduct applied and fundamental research.</p> <p>These candidates will then, at a later stage in their careers, be able to put their high standard of knowledge to use in the appropriate area of administration or legal practice. We develop skills in capable individuals that enable them to use empirical and other academic research methods in a targeted and full-fledged manner, and to produce book-length, original publications in specific areas of scholarship. We provide wide-ranging knowledge in the field of legal and political (public sector) research including both theoretical background and applied methods. PhD students also have the freedom to choose between courses focusing on significant legal fields – for example civil law and criminal law, or constitutional law and sustainable development law – to further develop their knowledge regarding their PhD thesis and dissertation.</p>
<b>Language requirements:</b>	English language proficiency (TOEFL 590 /IELTS 7.5 /oral examination)
<b>Entry requirements:</b>	Relevant master's degree
<b>Fees:</b>	Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 6,500 USD/year



The latest information about our programs can be found online at [www.edu.unideb.hu](http://www.edu.unideb.hu)

# Dates and deadlines to remember

## Application deadlines

for September admission	15 May
for February admission	15 November

If you apply for a scholarship, the above deadlines might be different. For actual scholarship deadlines please visit: [www.stipendium.hu](http://www.stipendium.hu)

# Hungary and the city of Debrecen

## Country info:

Hungary is a European Union member country located in Central Europe. The country shares borders with Austria, Slovakia, Ukraine, Romania, Serbia, Croatia and Slovenia. It's population is ca. 10 million.

## City info:

With 204,000 inhabitants Debrecen is the second largest city in the country. It is a cultural, educational and economic center of Eastern Hungary and the seat of Hungarian Protestantism.

## City life:

Debrecen offers year-round high-quality programs including festivals, concerts, and all sorts of sports events.

Main attractions and places to visit:

- Great Forest of Debrecen and Lake Békás
- Aquaticum Spa and Wellness Centre w/ Mediterranean Aqua Park
- Kölcsey Convention Centre – the largest conference center of Eastern Hungary (capacity: 1,150 people)
- MODEM (Modern and Contemporary Arts Centre)
- Debrecen Zoo
- Debrecen Ice Rink
- Debrecen Swimming Pool complex





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