

# The Green Journey

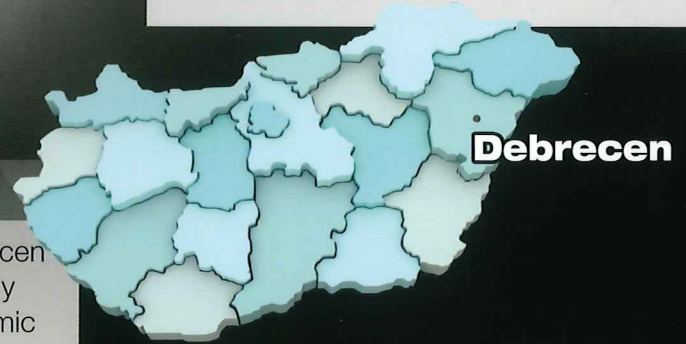
UNIVERSITY OF  
**DEBRECEN**



## Europe

### BRIEF HISTORY

- ▶ The history of Debrecen's higher education dates back to the 16<sup>th</sup> century
- ▶ The Reformed College of Debrecen, established in 1538, played a central role in Education
- ▶ Throughout the years the College became the most important cultural center in the whole country
- ▶ The University was established in 1912, making UD a higher education institute with the longest continuous history in Hungary
- ▶ Today the University of Debrecen, with a student body of about 26 thousand, over 3,800 of which are international students, is one of the largest institutions of higher education in Hungary
- ▶ The cooperation of 14 faculties ensures the multi-disciplinary background guaranteeing the University a leading role as a research and education institution, and the intellectual center of Eastern Hungary



## Debrecen

### CITY INFO

- ▶ With 204 thousand inhabitants, Debrecen is the second largest city in the country
- ▶ It is a cultural, educational and economic center of Eastern Hungary
- ▶ Main attractions and places to visit:
  - ▶ Great Forest of Debrecen
  - ▶ Aquaticum Medicinal and Bath Centre w/ Mediterranean Pleasure Bath
  - ▶ Lake Békás
  - ▶ Kölcsey Convention Centre – the largest conference center of Eastern Hungary (capacity: 1,150 people)

### COUNTRY INFO

- ▶ Hungary is a European Union member country located in Central Europe
- ▶ The country has borders with Austria, Slovakia, Ukraine, Romania, Serbia, Croatia and Slovenia
- ▶ Population ca. 10 million





## SOME FACTS ABOUT UD

- 14** Faculties
- 7** Campuses
- 23** Doctoral schools
- 7** Libraries
- 66** Bachelor's programs
- 77** Master's programs
- 5** Undivided, one-tier training programs

The location for your studies is truly extraordinary due to the placement of the University's Main Building and its several campuses in the territory of the Great Forest (Nagyerdő).

# UNIVERSITY



## MASTER PROGRAMS

### Complex Rehabilitation, MSc

The aim of the course is to train experts who will be able to effectively facilitate social inclusion for individuals and target communities/groups in health-, social-, educational- and occupational rehabilitation.

### Health Social Work, MSc

The aim of the degree program is to train professionals with knowledge and methods in the fields of health and social sciences capable of tackling both health and social related problems by performing professional, social and intersectoral cooperation.

### Molecular Biology, MSc

The course objective is to provide knowledge of the findings in the field of molecular biology; application of molecular biology techniques; to provide a broad and deep knowledge on the methodology and to train students to be able to approach scientific problems as part of multidisciplinary teams with an emphasis on medicine-related projects.

### Public Health, MSc

The aim of the MSc course in Public Health is to train specialists capable of monitoring public health problems, as well as planning, implementing and evaluating possible solutions.

## MEDICAL AND HEALTH SCIENCE PROGRAMS

### ONE-TIER PROGRAMS

#### Dentistry, DMD

Doctor of Dental Medicine (D.M.D.) degree is granted upon the completion of the course. The degree is accepted in the whole EU and several other countries around the world. This five-year program offers a high standard of knowledge and skills for dental surgeons.

#### Medicine, MD

Medical Doctor (M.D.) degree is granted upon completion of the course. The degree is accepted in all EU and several other countries around the world. The language of instruction is English. However, students are required to learn some basic Hungarian in order to be able to communicate with patients from the third year on.

#### Pharmacy, Pharm.D.

Doctor of Pharmacy (Pharm.D.) degree is granted upon completion of the course. The degree is accepted in all EU

and several other countries around the world. The program is designed to provide graduates with the core skills and knowledge required for the effective delivery of pharmaceutical care and the ability to conduct research. The degree covers the chemical, physical, pharmaceutical and pharmacological properties of medical substances and the application of these in the pharmacy profession.

### BACHELOR PROGRAMS

#### Physiotherapy, BSc

The curriculum of the BSc in Physiotherapy Program aims to prepare students for the prevention, medication and rehabilitation of movement system disorders and other diseases using the therapeutic tools of physiotherapy.

#### Public Health, BSc

The aim of the BSc in Public Health is to give solid knowledge of the discipline to understand the basic concepts of public health and be able to advise solutions for the challenges.

## NON-MEDICAL PROGRAMS

### BACHELOR PROGRAMS

#### Agribusiness and Rural Development Engineering, BSc

The objective of the BSc program is to educate future agribusiness and rural development engineers who are qualified for organization and management of all the different activities in production, service and consultancy.

#### Agricultural Engineering, BSc

The aim of the agricultural engineering program is to train agricultural engineers who have general knowledge in the fields of natural-, technical-, and agricultural sciences, as well as economic knowledge in the area of agricultural production, and general expertise in agricultural processing and farming along with in-depth theoretical knowledge.

#### Biochemical Engineering, BSc

The Biochemical Engineer Bachelor of Sciences program offers a unique combination in a variety of studies which together provides a thorough background in the field of biotechnology.

#### Business Administration and Management, BA

The aim of the program is to prepare specialists in economics and business; who, using the skills acquired in the fields of economics, social sciences, applied economics, methodology and their chosen specialisation, are able to analyse, plan, organize, coordinate and accomplish the activities of business organisations and institutions.

#### Business Informatics, BSc

The aim of the program is to train IT professionals who are capable of understanding and resolving the specific business processes underlying the information-based society, managing the IT tasks that support value-creating processes, and making the best use of the opportunities presented by modern information technology.

#### Chemical Engineering, BSc

The objective of the program is to train professionals who possess the general knowledge, technical intelligence, mas-





tery of at least one foreign language, and the basics of natural, social and engineering sciences, which are essential for the practice of the chosen profession.

#### **Civil Engineering, BSc**

The objective of the Civil Engineering BSc program is to train civil engineers who are capable of solving complex plan, design, management, operational and construction problems related to civil engineering in the public sector and private industry.

#### **Computer Science, BSc and MSc**

The aim of the program is to train IT professionals who, possessing the solid theoretical knowledge necessary to further develop their skills in the long term, are capable of performing, at an advanced level, the typically software-oriented development, implementation and servicing tasks related to IT equipment and systems.

#### **Computer Science Engineering, BSc**

The aim of the program is to train IT engineers who have the IT-related skills needed to plan, develop and service technical installations that utilize IT-based solutions, especially with regard to technical IT and IT infrastructure systems and services.

#### **Electrical Engineering, BSc**

The aim of the program is to provide a comprehensive education that prepares students for a successful engineering practice and/or advanced studies.

#### **English and American Studies, BA**

The aim of the program is to enable students to obtain proficiency in the English language, acquire critical and analytical

skills developed through the study of the English Language, English Literature, as well as the social, cultural and political history of the English-speaking world.

#### **Food Engineering, BSc**

This BSc program aims to train professionals who are able to operate, supervise and develop food processing technologies. The studies contain the physical, chemical and biological basics of engineering with special emphasis on food quality and safety.

#### **Mechanical Engineering, BSc**

The aim of the program is to train mechanical engineers who are able to operate and maintain machines and mechanical devices, introduce engineering technologies and applications, organize and control work-phases, and mechanical development.

#### **Mechatronics / Mechatronical Engineering, BSc and MSc**

Mechatronics is a relatively new branch of science and engineering and is defined as "a combination of mechanical engineering, electronic engineering, computer engineering, software engineering, control engineering, and systems design engineering in order to design and manufacture useful products.

#### **Musical Creative Arts and Musicology, BA**

The aim of the program is to educate musicians who can enrich the repertoire of musical knowledge with their sophisticated musical taste and are able to work in musical institutions, professional performing ensembles, religious ensembles and in other occupations which require music education.

# DEGREE



#### **Performance (Music) / Classical Musical Instrumental Performance, BA and MA**

The aim of the program is to educate musicians who - with their performing skills, theoretical knowledge, and highly developed musical abilities - enrich and spread Hungarian and European music culture.

#### **Technical Management, BSc**

The objective of the program is to train technical managers who are equipped with a knowledge of sciences, economics and leadership and possess engineering and informatics skills along with a good command of English in order to manage complex management and economics related tasks

#### **MASTER PROGRAMS**

##### **Agribusiness Management, MSc**

The aim of the course is to train professional economists who, with their in-depth theoretical and practical knowledge in production, commerce, marketing and finance and the possession of adequate ecological approach, are able to perform executive duties in the macro- and micro- economic interrelations of agricultural production and the business sector.

##### **Agricultural Engineering, MSc**

The program is designed to develop your undergraduate knowledge and improve it through application and research.

Emphasis is on Applied Biochemistry, Applied Plant Physiology, Applied Genetics and Biotechnology, Applied Soil Science, Production Physiology, and Nutrient Management.

##### **Agricultural Environmental Management Engineering, MSc**

The program is designed to develop your undergraduate knowledge and improve it through application and research. Emphasis is on Natural Resource Management, Environmental Impact Assessment, Environmental Technologies and Environmental Informatics.

##### **American Studies, MA**

Disciplinary MA program in the broadly interpreted field of American Studies, with opportunities for specialization in ethnic and multicultural studies or American literature.

##### **Animal Husbandry Engineering, MSc**

The program is designed to develop your undergraduate knowledge and improve it through application and research. Emphasis is on Physiology, Nutrition and Genetics. Gene Conservation, Functional Food and Molecular Biology.

##### **Chemistry, MSc**

Graduates of the MSc program have significant knowledge in all major fields of chemistry including inorganic, organic, physical, biological, analytical, structural, theoretical and technical chemistry.







#### English Studies, MA

The goal of the MA in English Studies is the training of experts who, besides a full mastery of the English language, possess an extensive and in-depth knowledge of the language, culture and history of English-speaking countries.

#### European and International Business Law - LL.M.

This LL.M. program provides a modern, business-focused law degree with a special European character, focusing on the tendencies of the European and International market, exploring both legislative and judicial elements of European business law, trade law and corporate law.

#### International Economy and Business, MA

The aim of the program is to train specialists in economics and business using the basic skills acquired in the fields of international, micro- and macroeconomics, international politics, European integration, international law, regional studies, civilization/globalization and their chosen specializations that enable them to analyse, plan, make decisions and control the activities of business organisations and institutions in an international context.

#### DOCTORAL PROGRAMS

##### Animal Husbandry, PhD

The PhD students of the Doctoral School do their research in fields which are of great interest to those agrarians working in agricultural firms and enterprises. The Doctoral School provides the possibility for research and doctoral work in the area of cattle and horse breeding, poultry keeping, game

management, molecular and quantitative genetics and breeding, and proteomics.

##### Biology and Environmental Sciences, PhD

The doctoral school provides high quality education in scientific research. Doctoral candidates are welcome to join the following programs: Hydrobiology, Quantitative ecology, Water environment protection.

##### Business and Management, PhD

The aim of doctoral training is to enable doctoral candidates to perform high quality scientific work. Candidates have to be able to plan and conduct primary and secondary research, as well as to elaborate on the respective technical literature in an analytical and synthesising manner.

##### Chemistry, PhD

Doctoral candidates are welcome to join the following programs: Reaction Kinetics and Catalysis, Coordination Chemistry, Environmental Instrumental and Analytic Chemistry, Macromolecular and Surface Chemistry, Chemistry, Biochemistry and Structural Study of Carbohydrate-containing Natural and Synthetic Materials, Synthesis and Structural Study of Natural Heterocyclic Compounds and their analogs.

##### Crop, Horticultural, Food and Regional Sciences, PhD

The program investigates the impact of land use systems and agriculture on the state and changes of natural resources (water, soil, air).

##### Earth Sciences, PhD

Doctoral candidates are welcome to join the following programs: Geomorphology and Society, Landscape Protection and Climate, Human Geography.

##### English and American Studies, PhD

The Institute invites graduates of universities other than the University of Debrecen to continue their studies in one of these PhD programs. Doctoral students may be engaged in teaching in the undergraduate program of the University of Debrecen.

##### Informatics, PhD

Doctoral candidates are welcome to join the following programs: Digital Communication and Sign Processing, Information Systems and Networks, Operational Research and Numerical Mathematics, Knowledge Management and its Applications, Discrete Mathematics, Image Processing, Computer Geometry, Stochastic System and its Applications.

##### Legal Studies, PhD

Currently, one doctoral program is available in the Doctoral

School: "Changes of state and law in Central and Eastern Europe". The aim of the program is to develop the ability of candidates for (primarily applied) research, who 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.

##### Mathematics and Computer Science, PhD

Doctoral candidates are welcome to join the following programs: Mathematical Analysis, Functional Equations, Group Algebras and its Applications, Differential Geometry, Diophantine and Constructive Number Theory, Probability Theory, Statistics and Applied Mathematics, Operational Research, and Numerical Mathematics, Knowledge Management and its Applications.

##### Physics, PhD

Doctoral candidates are welcome to join the following programs: Atomic and Molecular Physics, Nuclear Physics, Solid State Physics, Interdisciplinary Applications, Particle Physics.



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