

Undergraduate Program Description

## Why choose <br> the University of Debrecen？

The University of Debrecen in Hungary is one of Central Europe＇s top educational and research institutions 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
－Multirank：Group 1 －very good regarding foreign language bachelor＇s programs． 601－650 in QS World University Rankings

## University facts

（0） $27,000+$5，600 international students from over 110 countries14 Faculties on 7 campuses
（8） 1,2
academic staff
O 16：1 student／academic189 international
staff ratio
（闤） 363
（288）loo＋ $\begin{aligned} & \text { lecture halls }\end{aligned}$
（2）530＋practice
（B）${ }^{500+}$ research labs
$530+$ practice
and seminar room
（周奛）${ }_{\text {libraries }}$
（3） 135 laboratories $\begin{aligned} & \text { and language lab }\end{aligned}$
（alb） 15
（D） $\begin{aligned} & 6,000,000+\text { library } \\ & \text { documents }\end{aligned}$

## We offer

－A wide range of academic fields：Medical and Health Sciences，Agriculture，Business，Engineering Humanities，IT，Law，Music，Natural Sciences
－Sophisticated and student－focused classes
－Research projects：students are encouraged to join ongoing research projects．

## We offer you medical programs with worldwid

accreditation
New York State Education
－General Medicine Council of Great Britain
－Medical Councils of Israel，Ireland，Iran and Norway

## Contents

## Foundation Programs

－Basic Medicine Courses（Pre－medical Studies）
－Intensive Basic Medicine Courses（Pre－medical Studies）
－International Foundation Year
－Intensive Foundation Semester
－Preparatory courses for Music

## Undergraduate programs

## Agriculture Program

－Food Engineering，BSc

Business Administration and Management，BA

Commerce and Marketing，BA
Engineering Programs
－Biochemical Engineering，BSC
－Chemical Engineering
Civil Engineering，BSC
－Electrical Engineering，BSC
－Mechatronics Engineering，BSC
－Professional Pilot，BSc

## Health Programs

Physiotherapy，BSC
Public Health，BSC

Humanities Program
－English and American Studies，BA
T Programs
Business Informatics，BS
Computer Science，BSC
Computer Science Engineering，BSC

## Music Programs <br> Musical Creative Art and Musicology，BA

| －Classical Performing Arts（Music），BA | 30 |
| :--- | :--- |

Science Programs
－Biology，BS
Chemistry，BSC
Earth Sciences，BS
Geography，BSC
－Physics，BSC

## Foundation Programs

## One－tier medical programs

Dentistry，Full－time Graduate Program
Medicine，Full－time Graduate Program

## Duration:

The one-year pre-medical Basic Medicine Course is recommended for students who do not have sufficient knowledge in biology, physics and chemistry from high school and whose scientific English proficiency is not adequate for these studies at the time of the entrance exam. The requirements in these pre-medical science subjects are rigorous, thus it is recommended that students who need a period of preparation prior to beginning the Medicine, Dentistry or Pharmacy program join the Basic Medicine Course. Students who successfully complete the course are directly admitted to their chosen program.

Entry requirements:
high school certificate
entrance examination in biology and physics/chemistry (written and oral)
Subjects:
Fees:

## Biology, Chemistry, Physics

Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 7,000 USD/year

## Duration:

Aim of the program:

## Subjects

2 semesters (September - May)
For students who require additional instruction or review in sciences and in English language we offer foundation year courses to prepare them to study in their chosen degree program. With a range of courses, including intensive English language instruction, the International Foundation Year bridges the gap between students' current qualifications and background and the knowledge and skills required for honors courses. Students are provided with the necessary skills to proceed with studies in their chosen discipline. Students who are enrolled in the International Foundation Year and achieve a grade point average of at least 3.5 in the first semester and 4.0 in the second semester can enter the first year of their chosen program without taking an entrance exam.

Basic English language proficiency

Basic science subjects - mathematics, biology, physics, chemistry - IT skills, general English, academic English, optional Hungarian as a foreign language
In the frame of the International Foundation Year Program students have to choose one of the following specializations, depending on which major they wish to apply for: - Information Technology

Physics-related Engineering
Chemistry-related Engineering
Business
Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 5,500 USD

## Intensive Basic Medicine Course (Pre-medical Studies)

## Duration

Subjects:
Fees:
semester (January - July)
The one-semester pre-medical Basic Medicine Course is recommended for students who do not have sufficient knowledge in biology, physics and chemistry from high school. The requirements in these pre-medical science subjects are rigorous, the medicine, dentistry or pharmacy program join the Basic Medicine Course. Students who successfully complete the course are directly admitted to their chosen program. The course is recommended for those students who would like to refresh their high school knowledge before starting their first year studies.
high school certificate
English language proficiency
entrance examination in biology and physics/chemistry (written and oral)
Biology, Chemistry, Physics
Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 7,000 USD/yea

## Duration:

## Language

requirements

## Subjects:

## Aim of the program:

## Intensive Foundation Semester

## 5 months (February - June)

The Intensive Foundation Semester (from February till June) is suggested for students who require additional instruction or review in sciences and English
We offer foundation courses to prepare them to study in their chosen degree program. Students who successfully finish the Intensive Foundation Semester program with a grade point average of 4.0 are guaranteed admission into any engineering IT or business program

Basic English language proficiency
The preparation of foreign students, to enable them to successfully learn subjects at the University of Debrecen, is carried out according to the curriculum of the foundation year. During this time, several subjects will be taught to students: general English, and optionally - depending on prospective studies - biology, chemistry, and physics.

Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 3,300 USD



# Undergraduate Programs 

## Business Administration and Management, BA

## Degree:

Qualification:
Duration:
Credits obtained:
Aim of the program:

Entry requirements:
high school certificate
(TOEFL 513 /IELTS 5.5/oral examination) entrance examination in mathematics, chemistry or biology (written and oral)

Lecture, Seminar: Practice: 40\%
$60 \%$

Main subjects typically include (this list is indicative and may change):

## Main subjects

Agricultural Botany, Economic Sciences, General and Inorganic Chemistry, History of Agriculture Zoology, Animal Physiology, Agricultural and Food Microbiology, Analytical Chemistry, Basic Equipment for Food Industries, Environmental Management, Environmental Technology, ntroduction to Food Safety, Organic and Biochemistry, Technical Basics of Agricultural Machinery

Agricultural and Food Microbiology, Business Studies and English Language Skills, Economic Sciences, Electrotechnics, Food Chemistry, Food Hygiene, Introduction to Intercultura Chemistry, Grant Proposal Writing in the target language, Measurement and Control, Principles of Food Technology

3
Basics of Quality Assurance, Business Studies and English Language Skills, Food Industry Technologies and Quality Assurance, Instrumental Analytics, Legal English, Statistics, Unit perations in Food Processing, English for Environmental Management and Politics, Foo , Principles of Food Technology Project Work, Agricultural Regulation and Administration

Professional Practice, Thesis
Students should complete a 14-week professional practice in the last semester.
Career prospects:
Graduates may find employment in the food industry, raw material and product qualification, food analysis, inspection, quality assurance or may work for food authorities. Graduates may continue their studies with an MSc in food engineering an MSc in food quality and assurance, or an MSc in nutrition.

Fees:

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

## Academic discipline:

## Degree:

Qualification:
Duration:
Credits obtained:
Aim of the program:

Entry requirements:

Lecture, Seminar: Practice:

## Year

1

2

3

Internship, practice
Career prospects:

Fees:

Economic Sciences
Bachelor of Arts (BA)
Economist in Management and Business Administration
7 semesters
The bachelor's degree requires the completion of $180+30$ credits.
The program prepares specialists in economics and business who, using the skills acquired in the fields of economics, social sciences, applied economics, methodology accomplish the activities of business organizations and institutions
high school certificate
English language proficiency (TOEFL 513 /IELTS 5.5/oral examination) entrance examination in mathematics and English (written and oral)
$38 \%$
$62 \%$

Main subjects typically include (this list is indicative and may change):

## Main subjects

Mathematics, Business Informatics, Introduction to Economics, Introduction to Business, Finance, Communication, International Financial Accounting, Organizational Behavio Microeconomics, Business Civil Law, Environmental Economics
Macroeconomics, Business Public Law, Corporate Finance, Marketing, Organizational Behavior, Management of Value Creating Proce Policy, World Economy, Statistics, Marketing Managemen

Human Resource Management, Contro俍 Communication with Customers, Conflict Management, Knowledge Management, Measuring Methodology, Regulation Theory, Entrepreneurship Theory and Practice, Project Management, Services Marketing
Business Practice, Thesis
1 semester-long business practice should be completed.
Graduates with a bachelor's degree in business administration and management will find themselves qualified for positions such as construction manager, environmental engineer, human resources officer, logistics and distribution manager, marketing background knowledge to continue with the second (MA) phase of their training.

Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 6,000 USD/yea

## Degree:

Qualification:
Duration:
Credits obtained:
Aim of the program:

Entry requirements:

Lecture, Seminar: Practice:

Year
1

2

3

4
Internship, practice:
Students should complete a semester long practice at a multinational or loca company, or at a non-profit organization

Career prospects:
Graduates may go on to a variety of subject-specific careers in advertising, public elations, or account, brand, marketing or sales management The program provides students with the necessary background knowledge to continue with the second (MA) and later the third (PhD) phases of training
Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 6,000 USD/year
信 Microeconomics, Introduction to Business, Finance, Business Language, Statistics, Commercia Commodity Description
Management, Macroeconomics Management of Value Creating Processes, Business Language Statistics, Corporate Finance, Marketing Management, Environmental Economics, Internationa Economics, Business Public Law, Business Planning, Marketing Research, Marketing Communications oreign Trade Techniques

Enterprise Resource Planning Systems, Economics of Trade, Organizational Behavior, Product and Brand Management, Pricing in Marketing, Services Marketing, Planning and Analysis of Marketing Channels, International Marketing, Advertising and Advertising Planning, Non-prof and SME Marketing

Business Practice, Thesis Ther

Academic discipline:

## Degree:

Qualification:
Duration:
Credits obtained:
Aim of the program:

## Entry requirements:

## ecture, Seminar:

 Practice:Year

1
Engineering Science
Bachelor of Science (BSc)
Biochemical Engineer (with Bachelor of Science degree)
7 semesters
The bachelor's degree requires the completion of 210 credits.
The aim of the program is to enable students to be competent in all fields of biotechnology by providing them with deep theoretical knowledge and practical skills technology by providing them with deep theoretical knowledge and practical skills
(engineering and technological). Students will experience laboratory and manulengineering and technological). Students will experience laboratory and manuin everyday work. Students will get acquainted with the equipment and apparatus used in the biotechnological industry and understand their optimal operation.
high school certificate
English language proficiency (TOEFL 513 /IELTS 5.5/oral examination)

- entrance examination in mathematics and chemistry (written and oral)

38\%
Main subjects typically include (this list is indicative and may change):

## Main subjects

ntroduction to Economics, EU Studies, Mathematics, Introduction to Physics, General Chemistry, Introduction to Cell Biology, Basic Engineering Management of Value Creating Processe Mechanical engineering, Animal Genetics
Macroeconomics, Biochemistry, Organic Chemistry, Microbiology, Methods in Molecula Biology, Informatics for Engineers, Unit operations, Environmental Technology Visits to Biotech ompanies, Microbial Physiology, Genetics, Physical Chemistry, Process control, Biomathematics, Bioprocess Engineering, Environment Impact Assessment
Marketing, Civil Law, Bioinformatics, Microbial Physiology Practice, Analytical Chemistry Bioprocess Engineering, Plant Biochemistry and Molecular Biology, Plant Physiology, Genetics Modeling of Chemical Technology Systems, Process control, Analytical chemistry, Unit operations, Plant Physiology

4
nternship, practice:

Career prospects:

Fees:
Introduction to Business, Quality Management, Computer Modeling of Chemical Technology Systems, Unit operations, Safety, Research Techniques in Plant Biology, Thesis

Students should complete a 6-week practice at a company or research institute related to engineering.

Graduates can choose from a wide range of career opportunities in different areas of biotechnology according to their field of interest. They can choose to work either in theoretical or practical areas. They will also have the opportunity to work in the field of research and development

## Degree:

Qualification:
Duration:
Credits obtained:

## Aim of the program:

Entry requirements:
nternship, practice:
Career prospects:

Fees:

Engineering Science
Bachelor of Science (BSc)
Chemical Engineer
7 semesters
The bachelor's degree requires the completion of 210 credits.
The objective of the program is to train professionals who possess the foundational knowledge and technical skills that comprise the natural, social and chemical safety, environmental protection, management, and social science Concrete practical methods as well as the capability to apply acquired skills will help them to get accustomed to the professional requirements and standards of their future workplace. They will be capable of understanding/controlling production processes, providing quality assurance and technical services, and solving task regarding planning and development.
high school certificate
English language proficiency (TOEFL 513 /IELTS 5.5/oral examination) entrance examination in mathematics and chemistry (written and oral)

|  | $53 \%$ |
| :--- | :--- |
|  | $47 \%$ |

Main subjects typically include (this list is indicative and may change):
Main subjects
Mathematics, Physics for Engineers, Ceneral Chemistry, Economics Managenent ,

Organic Chemistry, Physical Chemistry, Informatics for Engineers, Mechanics for Chemica Process Contro Operations, Macromolecular Chemistry, Colloid Chemistry, Biochemistry Process Control, Chemical Technology
3 O

Qualitative and Quantitative Analysis, Materials of Construction, Process Control, Mechanics for Chemical Engineers, Unit Operations, Chemical Technology, Business and Investme rganization, Instrumental Methods of Analysis, Plastics and Processing, Computer Modeling

Computer Modeling of Chemical Technology Systems, Safety, Thesis

Students should complete a 6-week practice at a company or research institute
Graduate study opportunities:
MSc programs in development: chemistry, chemical engineering, MSc in materials engineering, MSc in materials science, environmental engineering, environmental science, bioengineering
PhD in chemistry
Application fee ISO USD, entrance procedure fee 350 USD Tuition Fee: 6,000 USD/yea

## Academic discipline:

## Degree:

Qualification:
Duration:
Credits obtained:
Aim of the program:

## Entry requirements:

Lecture, Seminar: Practice:

## Year

1

2

3

4

Internship, practice

## Career prospects:

Fees:

Engineering Science
Bachelor of Science (BSc)
Civil Engineer
8 semesters
The bachelor's degree requires the completion of 240 credits.
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 are capable of sotving complex plan, design, management, operational and construct
problems related to civil engineering in the public sector and private industry problems related to civii engineering in the public sector and private industry.
Graduates will possess a potential for leadership, an ability to communicate effective and a capacity to work in a team.
high school certificate
English language proficiency (TOEFL 513 /IELTS 5.5/oral examination) entrance examination in mathematics and physics (written and oral)

49\%
$51 \%$
Main subjects typically include (this list is indicative and may change):

## Main subjects

Basics of Engineering Calculations, Mathematics, Descriptive Geometry, Technical Drawing echnical Chemistry, Engineering Physics, Informatics for Engineers, European Studies, Quality Management, Hydraulics, Construction Materials, CAD Modelling Qality Mage Mect in Codur
Mathematics, Mechanics, Introduction to Economics, Geographical Information System (GIS), Hydrology \& Hydroge ogy, Construction Materials, Ceolog, Theory of Design, Mechanics, Microeconomics, Basics of Environmental Engineering, Public Works, Geotechnics, Transportatio Engineering

Quality Management, Water Management \& Hydraulic Structures, Geotechnics, Building Consrrete Stu, Custruct Shuna Concrete Structures, Steel Structures, FEM Modelling, Timber \& Masonry Structures

Bridges \& Structures, Geotechnics, Thesis
Students should complete at least a 6-week practice at a company
A civil engineering degree prepares you for work in the construction industry as well as in the business, management and financial sectors. Jobs directly related to the degree design engineer, structural engineer, building services engineer, construction manager.

Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 6,500 USD/yea

Academic discipline:

## Degree:

Qualification:

## Optional

specializations:

## Duration:

## Credits obtained:

Aim of the program:
The program provides a comprehensive education that prepares students for a successful engineering practice and/or advanced studies. Students learn about the basic physical laws governing our environment, about material science and technology at the micro- and nanometer level, as well as mathematics and informatics. They acquire practical knowledge in computer engineering and electronic technology, microelectronics and energy systems, optical materials and automation. Apart from basic and applied knowledge, students will be trained in e-commerce, planning, and solving and managing problems efficiently.

Entry requirements:
nigh school certificate
English language proficiency (TOEFL 513 /IELTS 5.5/oral examination) entrance examination in mathematics and physics (written and oral)

## Lecture, Seminar:

Practice:
48\%
Main subjects typically include (this list is indicative and may change):

## Year

1

2

3
4

Internship, practice:
The summer practice should be carried out at an external professional institution.
An electrical engineer designs, develops and maintains electrical control systems and components according to required specifications. Graduates can occupy a variety of roles in engineering consultancies, manufacturing, automotive and railway engineering, steel manufacturing, or water companies. Most electrical engineers work in multidisciplinary project teams, which are likely to include engineers from other specialist areas as well as architects, marketing and sales staff, manufacturers, technicians and customer service personnel.

Fees:
Engineering Science
Bachelor of Science (BSc)
Electrical Engineer
Information Technology specialization, Automation specialization.
7 semesters
The bachelor's degree requires the completion of 210 credits

## Main subjects

Mathematics, Physics, Materials Science for Electrical Engineering, Informatics, Programming Electricity, Introduction to Measurements and Instrumentation, Electronics

Mathematics, Basic Environmental Science, Introduction to Economics, EU Studies, Introduction to LabVIEW Programming, Electricity, Electronics, Digital Electronics, Fundamentals of Civi Basic Exam in Electrical Engineering, Microelectronics, Automation

Fundamentals of Civil Law, Electronic Technology, Automation, Telecommunication, Electric Power Systems, Intellectual Property Protection, Production and Quality Management

Economics of Enterprises, Thesis

Career prospects:

Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 6,000 USD/yea

Academic discipline:

## Degree:

Qualification:
Specializations:

## Duration:

## Credits obtained:

Aim of the program:

Lecture, Seminar:
Practice:

## Year

1

2

3
4

Internship, practice
Career prospects:

Fees:
Entry requirements:

Engineering Science
Bachelor of Science (BSc)
Mechanical Engineer
Automotive Production Process Control Specialization/ Building Services Engineering Specialization/ Operation and Maintenance Specialization
7 semesters
The bachelor's degree requires the completion of 210 credits.
The aim of the program is to train mechanical engineers who are able to operate and maintain machines and mechanical systems, introduce and apply engineering technologies, organize and monitor work, and solve standard complex tasks in the field of technological development, research, and design, taking into account the needs of the labor market as well.
high school certificate
English language proficiency (TOEFL 513 /IELTS 5.5/oral examination) entrance examination in mathematics and physics (written and oral) 42\%
$58 \%$

Main subjects typically include (this list is indicative and may change):

## Main subjects

Mathematics, Engineering Physics, Introduction of Mechanical Engineering, Engineering Informatics, Descriptive Geometry, Materials Engineering, Statics, Technical Chemistry,

Stengt of Mas Stur
Strength of Materials, Studies of Economy and Law, Microeconomics, CAD Systems, Electro Elements, Measurement Technodynarics, Dyacsics Mel Aleme Mas

Machine Elements, Manufacturing Processes, Applied Automatization Basics of Engineering anagement
Environmental, Health, Safety and Ergonomic, Courses of Specialization, Optional courses, Thesis

Students should complete a 6-week practice at a production company
Mechanical engineering graduates are sought by employers in almost all sectors of the engineering industry including the automotive industry, chemicals industry construction industry, materials and metals industry, oil and gas industry, power generation industry, rail industry, and utilities industry.

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

Fees:

## Degree:

Qualification:
Specialization:

## Duration:

Credits obtained:
Aim of the program:
The objective of the program is to train mechatronics engineers who have the competence to combine engineering with electronics, electrotechnics, and computer ontrol in a synergetic way. Students will able to complete routine design, operation, maintenance of mechatronic equipment and processes, to introduce and apply mechatronic technologies, to organize energy-efficient and environmental process and production management, and to complete average tasks in engineering development and design considering the needs of the international labour market.

Entry requirements:
high school certificate
English language proficiency (TOEFL 513 /IELTS 5.5/oral examination entrance examination in mathematics and physics (written and oral)

## Lecture, Seminar: 39\%

 Practice:Main subjects typically include (this list is indicative and may change):

## Year

1

2

3

4
Internship, practice:
Career prospects:
Engineering Science
Bachelor of Science (BSc)
Mechatronics Engineer
Specialization in Mechatronic Systems
7 semesters
The bachelor's degree requires the completion of 210 credits. Main subjects

Mathematics, Engineering Physics, Informatics, Electromagnetism, Law and Ethics, Basics of Mechatronics, Computer-Aided Modelling, Materials Engineering, Economics for Engineering nformatics (Labview), Electrotechnics
Mathematics, Statics and Strength of Materials, Microeconomics and Economic Processes f Enterprises, Electronics, Mechanical Machines and Machine Elements, Manufacturing of Enterprises, Electronics, Mechanical Machores and Machiche
Technologies, Dynamics and Vibration, Mechatronic Devices, Measurement and Data Acquisition Environment, Health and Safety, Ergonomics, Applied Automatization, Pneumatics and Hydraulics

- $1+2$

Quality and Technical Management, Applied Automatization, Electropneumatics and Electrohydraulics, Modelling and Simulation Prototype Technologies, Robots and Robotic Technology, Electrical Machines and Drives, Thermodynamic Processes, Modelling an
Simulation Prototype Technologies, Caxx Techniques, Cyber-Physical Systems

Project of Mechatronics, Thesis
Students should complete a 6-week practice at a production company
Mechatronics engineering has a wide range of application in the business nd industrial sectors. Graduates of mechatronics engineering can work in the fields of robotics, nanotechnology, automation, aircraft engineering, oceanography, oil and gas ind
and computer-aided design.

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

## Academic discipline:

## Degree:

## Qualification:

Duration:
Credits obtained:
Aim of the program:

## Entry requirements:

Lecture, Seminar: Practice:

## Year

1

2

Engineering Science
Bachelor of Science (BSc)
Professional Pilot
7 semesters
The bachelor's degree requires the completion of 210 credits.
The main objective of the professional pilot program is to give the applicants the knowledge and skills that make the passing of the ATPL (Airline Transport Pilot Authority and Aviation Authority possible without any further education.
Our aim is to train professionals who are capable of working for aviation companies as professional pilots, who understand aviation, traffic, air operation and ground handling assignments and tasks, who can manage valid quality control tasks and who have met requirements of the ATP (A) (Airline Transport Pilot, Aircraft) integrated training. Our future graduates understand and excel in the usag English language pos the BBB at A level including mathematics and physics
Language requirements: English IELTS 6.0 or equivalent Health: valid Class 1 Medical Certificate (see on EASA website) 40\%

Main subjects typically include (this list is indicative and may change):

## Main subjects

Mathematics, Statics and Strength of Materials, Engineering Physics, Thermodynamics and luid Mechanics, Informatics for Engineers, Basics of Aviation, Theoretical Knowledge of the Airrne Transport

Electrotechnics and Electronics, Aviation Terminology, Descriptive Geometry, Mechanical Machines and Machine Elements, Mechatronic Devices, Theoretical Knowledge of Airline ransport Pilot Licence (AlPL), Aircraft General Knowledge - Airfame, Systems, Power Plants Manufacturing Technologies, Technique of Measurement, Human Performance (ATPL), Meteorology (ATPL), Flight Planning and Monitoring (ATPL), Operational Procedures (ATPL), Internship
Microeconomics and Economical Processes of Enterprises, Quality and Technical Management Environmental Protection and Dangerous Goods, Aviation Terminology, Flight Training Meteorology (ATPL), General Navigation (ATPL), Radio Navigation (ATPL), Environment, Health and Safety, Ergonomics (Basics of EHS), Aircraft General Knowledge--nstrumentation (ATPL), Flight Training, Type Rating, Radiotelephony, Thesis

Professional Pilot BSc students have to complete three summer internships lasting three, four, and five weeks.
hose who pursue this degree program will be able to fly an aircraft in civil aviation, hold a management position in a department (e.g. fight operations, ground operations, light safety, or compliance manager) after further training and considerable amoun of practice or manage flights as an instrument-rated commercial pilot (with commercial pilot licence/instrument rating, CPL/IR) in accordance with aviation regulations and rules of the air. The degree offers the opportunity to advance to master's level study.

## Degree:

Qualification:
Duration:
Credits obtained:
Aim of the program:

Entry requirements:

## Lecture, Seminar:

Practice

2

4

## Internship, practice:

Career prospects:

Fees:
the preve of the BSC in physiotherapy program aims to prepare students for other diseases using the therapeutic tools of physiotherapy.
gh school certificate
English language proficiency (CEFR level B2, assessed at the compulsory entrance interview)
entrance interview
$43 \%$
$57 \%$

Main subjects typically include (this list is indicative and may change):

## Main subjects

Basics of Physiotherapy, Anatomy of the Skeletal System for Physiotherapists, Basics of Pedagogy, Basics of Psychology, Basics of Sociolog, Ceneral Principles in Health Care \& Nurs Bioethics, Biophysics, Health Informatics, First Aid, Communication, Microbiology, Medical Latin, Anatomy, Histology and Embryology for Physiotherapists, Cell Biology, Biomechanics, ElectroBaIneo, Hydro- and Climatotherapy (EBHCT), Economics and Management, Genetics and
Molecular Biology, Kinesiology, Physiology, Hungarian Language

Basic Biochemistry, Physiology, Philosophy, Kinesiology, Hungarian Language, Clinical Propedeutics, Applied Training Methods, Basics of Internal Medicine, Biochemistry, Basics of Dietetics, Health Care Law, Principles of Health Sciences, Gerontology, Basics of Research Methodology, Principles of Kinesiology, Kinesiology Practice, Mobilization

Internal Medicine for Physiotherapists, Pharmacology, Preventive Medicine \& Public Health Neurology for Physiotherapists, Orthopaedics for Physiotherapists, Pathology, Psychiatry, Rheumatology for Physiotherapists, Professional and Scientific Orientation, Obstetrics and Language Infant Care and Paediatrics for Physiotherapists, Infant Care and Paediatrics Clinical Practice, Physiotherapy Principles of Internal Medicine, Physiotherapy of the Movement System, Radiology and Diagnostic Imaging for Physiotherapists
Health Promotion in Primary Care, Intensive Therapy for Physiotherapists, Physiotherapy Principles of the Movement System, Neurology for Physiotherapists, Psychiatry, Rehabilitation Skills, Rheumatology for Physiotherapists, Internal Medicine Clinical Practice, Neurology Clinical Practice, Rehabilitation Clinical Practice, Orthopaedics Clinical Practice, Rheumatology Clinical Practice, Traumatology Clinical Practice, Thesis
Medical and Health Sciences
Bachelor of Science (BSc)
Physiotherapist
8 semesters
The bachelor's degree requires the completion of 240 credits).

The duration of the internship is 14 weeks.
The degree will open up a range of career opportunities in the following fields health services, providing therapy and rehabilitation for a broad scale of diseases, and hydrotherapy, home care, private sector, prevention and other heathcare-related fields.

Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 6,000 USD/year

## Academic discipline:

## Degree:

Qualification:
Duration:
Credits obtained:
Aim of the program:

Entry requirements:

Lecture, Seminar:

## Practice:

## Year

1

2

3

4

## Internship, practice:

Career prospects:

Medical and Health Sciences
Bachelor of Science (BSc)
Public Health Supervisor
8 semesters
The bachelor's degree requires the completion of 240 credits.
The aim of the BSc in public health program is to provide students with solid knowledge of the discipline, so that they understand the basic concepts of public health and are able to suggest solutions to public health challenges.
high school certificate
English language proficiency (CEFR level B2, assessed at the compulsory entrance interview)
entrance interview
72\%

Main subjects typically include (this list is indicative and may change):

## Main subjects

First Aid, Health Informatics, Medical Latin, General Principles in Health Care \& Nursing, Basics of Pedagogy, Philosophy, Basics of Psychology, Basics of Sociology, Ecology, Bioethics, Mathematica Basics of Biostatistics, Health Antropology, Communication, Cell Biology, Economics and Management, History of Public Health, Health Psychology, Health Sociology, Hungarian Language

Hungarian Language, Basic Epidemiology, Immunology, Intoduction to Law, Microbiology Public Heat Medicine, Clinical Propedeutics, Biochemistry, Epidemiology of Communicable and Non-communicable Diseases, Terrestrial Environmental Protection, Environmental Health Aquatic Environmental Protection, Epidemiology of Communicable and Non-communicable Diseases, Health Care Law, Health Promotion and Health Policy, Occupational Health, Pharmacology, and Laboratory Practice, Professional Hungarian, Basics of Dietetics, Gerontology

Field and Laboratory practice, Health Care Law, Health Promotion, Health Promotion in Primary Care, Nutritional Health and Food Safety, Professional Hungarian, Applied Epidemiology, Basics of Quality Assura nce, Fied and Laboratory Practice, hesis

The duration of the internship is at least 10 weeks.
The degree will open up a range of career opportunities in the following fields: health services, research, surveillance, health promotion and/or enviromental health among other areas.
public health and related agencies such as cancer registries, food safety authorities, disease screening programs, community development, international aid agencies, the private sector with the pharmaceutical industry and management consultancies.

Fees:

Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 6,000 USD/year


## Degree:

Qualification:
Specialization:

## Duration:

Credits obtained:
Aim of the program:

Entry requirements:

Lecture, Seminar: Practice:

Year
1

2

3

Internship, practice:
Career prospects:

Fees:

## Humanities

Bachelor of Arts (BA)
Philologist in English and American Studies
English Linguistics and Communication Track, British Literature and Culture Track, North American Studies, Business English Specialization

## 6 semesters

The bachelor's degree requires the completion of 180 credits.
he aim of the program is to provide our students with a range of practical skills and theoretical tools in the area of English language, cultures and literatures so that they can utilise and adapt their acquired knowledge in relevant fields in their future job.
high school certificate
English language proficiency (IELTS 6.0 or equivalent)
entrance examination in English (oral, in person or via electronic communication) 25\%

Main subjects typically include (this list is indicative and may change):

## Main subjects

The Structure of English: The Noun Phrase and The Verb Phrase, Skills Development: Reading \& Speaking, Skills Development: Writing \& Composition, English Pronunciation, Grammar in Context, British Civiiization, Aspects of English, Introduction to Hungarian Culture, Targeting he Verb Phrase, Essay Writing and Research, Vocabulary Building, Advanced Writing British Isles

Targeting the Noun Phrase, Introduction to Linguistics, The English Sentence, Introduction to Literature and Visual Culture, American Literature, American Culture and Institutions, Moder introduction to Applied Linguistics, History of the USA, British Literary Seminar, Challenging Crammar + the subjects of the Business English specialization
The subjects of one of the following tracks: a) British Literature and Culture, b) Linguistics and Communication or c) North American Studies; Thesis

N/A

Graduates are able to work in business and governmental organizations, media, publishing, tourism, diplomacy, etc. Graduated students holding a Bachelor of Arts degree in English and American studies are eligible for admission to the English studies MA and American studies MA programs. Tuition Fee: 5,500 USD/year

## Academic discipline:

## Degree:

Qualification:
Duration:
Credits obtained:
Aim of the program:

Computer Science and Information Technology
Bachelor of Science (BSc)
Business Informatics Engineer
7 semesters
The bachelor's degree requires the completion of 210 credits.
The Business Informatics BSc program trains professionals who bridge the gap between the developers of business software and their users. During their training As a result, they will be able to understand both software development and business and financial processes, and consequently, after graduation they will be able to solve business problems supported by info-communication technologies and to operate business IT systems. Moreover, they will be able to cooperate with economics and business professionals, partners, and software developers. This major prepares business informatics students for working in a business environment rich in data Besides this, students have the opportunity to study the most important modules of software produced by SAP, the top company producing business management software. Such knowledge will give students a profitable advantage in the labor market.

## Entry requirements:

high school certificate
English language proficiency (TOEFL 513 /IELTS 5.5/oral examination) entrance examination in mathematics (written and oral)

## Lecture, Seminar:

Practice:

## Year

1

2

3

4

Internship, practice:

Career prospects:

49\%

Main subjects typically include (this list is indicative and may change):

## Main subjects

Introduction to Management, Fundamentals of Business Law, Microeconomics, International Financial Accounting, introduction to Programming, Operating Systes, Data Management Copyright Law, Data Structures and Algorithms, Programming

Macroeconomics, Introduction to Finance, Organizational Behaviour, Marketing, Programming 2 Database Systems, Information and Knowledge Management, Data Management, Business Itelligence in Practice

Management Science, Developing Data Handling Programs, Fundamentals of Software Development and Software Testing, Foundations of Computer Security, Financial Mathematics, introduction to SAP - End user level, Advanced Spreadsheets, Big Data Analytics, Data Visualization, Computer Statistics, Corporate Finance, Strategic Management, Introduction to SAP - Dever evel, International Business, Decision Support Systems

Advanced Data Security, Digital Marketing, Foundations of Artificial Intelligence, Management of Value Creating Processes, Thesis
students should complete an 8-week internship either at the university working on research projects or at a multinational or local company.

The following career prospects are the most probable: company management system supporter, business analyzer, financial report developer, system administrator, business excellent at such basic technologies as MySQL or MS SQL database, Unix/Linux, and Windows operating systems. After gaining appropriate experience business informatics graduates can succeed in applying for the position of manager at smaller enterprises.

Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 6,000 USD/year

Academic discipline:

## Degree:

Qualification:
Duration:
Credits obtained:
Aim of the program:

Computer Science and Information Technology
Bachelor of Science (BSc)
Computer Scientist
6 semesters
The bachelor's degree requires the completion of 180 credits.
Computer Science BSc students acquire knowledge that enables them to create, introduce, operate, service, develop and implement software-oriented IT devices and systems on their own or as members of a team. They learn how to design, analyse development methodologies and technologies. They receive instruction in the skills of data modelling and designing, creating and modifying databases; furthermore, they will learn the use of SQL and will be capable of applying the methods and tools of artificial intelligence, logical programming, using divided systems, and developing websites. The theoretical and practical knowledge that students acquire during their
studies makes it possible for them to start MSc courses. The ones who decide to start working after graduation will most likely develop and operate mobile, desktop, server web and multimedia applications and IT systems.
high school certificate
English language proficiency (TOEFL 513 /IELTS 5.5/oral examination) entrance examination in mathematics (written and oral)

## Lecture, Seminar: Practice: <br> 49\%

Main subjects typically include (this list is indicative and may change):

## Year

1

2
Computer-Aided Mathematics and Visualization, Discrete Mathematics, Introduction to programming, Logic in Computer Science, Operating Systems, Calculus, Network Architectures Lab, Data Structures and Algorithms 3D printing and modeling, Cloud Computing, Basics of GIS

High-Level Programming Languages, Web Technologies, Introduction to Computer Science, Applied Statistics, Software Engineering and Technologies, Foundations of Artificial Inteligence, Foundations of Computer Security, Applied Mathematics, Bioinformatics, E-Sports, Operatio Languages 3, Introduction to 3D Game Development, Compilers, Machine Learning in Practice Advanced Database Knowledge, NoSQL Databases
3
Web Application Development, Software Development Methodologies, Computer Statistics, Software Testing, Advanced Data Security, Advanced Web Technologies, Thesis

Students should carry out an 8-week internship either at the university working in research projects or at a multinational or local company.

Computer Science BSC graduates can find positions asf junior software developers at software development companies where C, C++, Java, Javascript, C\#, . NET, PHP Python, SQL, etc. are required. In some years, after gaining practical experience they such as mobile development, databases, IT system programming graphics development game programming, etc. In the long run they can be promoted to management positions provided they are suitable for such positions and they take part in post-graduate trainings.

Academic discipline:

## Degree:

Qualification:
Duration:
Credits obtained:

## Aim of the program:

Entry requirements:

## Lecture, Seminar

Practice

## Year

1

2

3

4
nternship, practice:

Career prospects:

Computer Science and Information Technology
Bachelor of Science (BSc)
Computer Science Engineer
7 semesters
The bachelor's degree requires the completion of 210 credits.
The Computer Science Engineer BSc belongs to the field of informatics training however, it is also characterized by anengineering approach. Computer science enginee operate information and technical information systems and services, and to carry out developments on them. They study the technical elements of information and infrastructure systems such as computers, telecommunication networks, embedded systems, measurement and management technology solutions, and operating systems. They also study practical engineering methods, the application of softwar
development methodology, and the use of development tools.
high school certificate
English language proficiency (TOEFL 513 /IELTS 5.5/oral examination entrance examination in mathematics and physics (written and oral)

## 50\%

Main subjects typically include (this list is indicative and may change):

## Main subjects

Algorithms and Basics of Programming, Electronics, Physics, Calculus, Mathematics for Ingineers, Introduction into Logic and Computer Science, Data Structures and Algorithm Programming Languages, Computer Architectures

Probability Theory and Mathematical Statistics, Economics, Signals and Systems, Introductio o Graphical Programming Environment, Programming Languages, Computer Networks systems, Software Development for Engineers, Enterprise Information Systems, Web Solutions Microcontrollers
Introduction into Artificial Intelligence, Assembly Programming, Embedded Systems, Modeling Andilysis of Information Technology Systems, Mobile Solutions, Fundamentals of Business Law, Management Basics for Engineers, Database Systems and Knowledge Representation IT Security, Computer Craphics, Programming Network Devices 1, Programmable Logic Devices Development of Embedded Systems, Programming Network Devices 2, Modeling and Sensors and Actuators Network, Thesis

Students should complete an 8-week internship either at the university working en research projects or at a multinational or local company

There has been a great demand for Computer Science Engineer BSc graduates in the labour market for years. They can easily find work in the sectors of production services, civil service, banking, commerce, or enterprises. cone sesigners and -base developers,

Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 6,000 USD/year

## Musical Creative Art and Musicology, BA

## Classical Performing Arts (Music), BA

## Degree:

Qualification

Specialization:

## Duration:

Credits obtained: Aim of the program:

The bachelor's degree requires the completion of 180 credits.
The BA in musical creative art and musicology aims to educate musicians who with their performing skills, theoretical knowledge, and highly developed musical abilities - enrich and spread Hungarian and European music culture.
They can enrich the repertoire of musical knowledge with sophisticated music require music education
Entry requirements:
high school certificate
English language proficiency
entrance examination (more information: www.music.unideb.hu)

## Main subjects typically include (this list is indicative and may change):

## Main subjects

 Music Theory, SolfeggioOther subjects History of Music, Folk Music, Philosophy, Art History, Acoustics, Repertoire Studies, Choral Conducting, Transposing and Score Reading, Composition, Choir, Piano, Voice, Thesis

Career prospects:
Graduates are able to work at music institutions and at other occupations which require music education. Having achieved a high standard of knowledge, they can continue their studies in one of the MA specializations.

Application fee 150 USD, entrance procedure fee 350 USD uition fee: 8,500 USD/year

## Degree:

Qualification:

Specialization:

## Duration

Credits obtained:

## Aim of the program:

Entry requirements:

## Subjects

Career prospects

To educate musicians who - with their performing skills, theoretical knowledge and highly developed musical abilities - enrich and spread the Hungarian and European music culture. They can enrich the repertoire of musical knowledg with their sophisticated music taste and are able to work in music institutions, professional performance ensembles and in other occupations which requir music education.
high school certificate
English language proficiency
entrance examination (more information: www.music.unideb.hu)
Main subjects typically include (this list is indicative and may change):
Bachelor of Arts (BA)
Classic Instrumental Music Performer Classical Music Singer Choral Conductor
classical piano, organ, guitar, violin, viola, cello, double bass, recorder, flute, oboe, larinet, saxophone, bassoon, French horn, trumpet, trombone, tuba, percussions, inging, choral conducting

## semesters

nstrumental / Vocal/ Conducting Technique and Performance History of Music Music Theory, Solfeggio, Folk Music, Acoustic, Philosophy, Art History, Repertoire in vocal area)

Graduates are able to work at music institutions, professiona performanceensembles and at other occupations which require music education. Having achieved a hig standard of knowledge, they can continue their studies in one of the MA specialization.
Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 8,500 USD/year

## Degree:

Qualification:
Duration:
Credits obtained:
Aim of the program:

Natural Sciences
Bachelor of Science (BSc)
Biologist (with Bachelor of Science Degree)
6 semesters
The bachelor's degree requires the completion of 180 credits.
The aim of the program is to provide students with basic knowledge in the most important biological fields. Students will attain skills in the fundamental methods processes of biochemistry, cytology and components of living organisms. processes of biochemistry, cytology and components of living organisms.
The Biology BSc program covers a broad range of biological science including the most important concepts in modern biology; the biological levels of organization; the fundamental principles of structure and function and the development of ecosystems.
Entry requirements:
high school certificate
English language proficiency (TOEFL 513 /IELTS 5.5/oral examination)
entrance examination in Biology, Mathematics (written and oral)

## Lecture, Seminar: $\quad$ 5ractice: <br> Practice:

Year
Main subjects typically include (this list is indicative and may change):

1
Quality Assurance, Basic Statistical Information, Introduction to Biological Chemistry Organology and Anatomy, Analytics, Introduction to Molecular Biology, Biotechnology Introduction to Ecology, Plant Taxonomy, Animal Taxonomy, Fundamental Biochemistry, General Microbiology, Basic Ecology, Mycology, Hydrobiology
2
Analytics, Plant Taxonomy, Animal Taxonomy, Fundamental Biochemistry, Cell biology, Plant Physiology, General Microbiology, Biotechnology, Basic Ecology, Biogeography Environmental protection, Ethology, Mycology, Hydrobiology, Bioinformatics, Animal Physiology, Genetics, Molecular biology, Biotechnology, Plant physiology, Microbiology,

3
Human Biology, Genetics, Evolutionary Biology, Population Genetics, Environmental protection, Animal physiology, Microbiology, Thesis

Internship, practice:
Career prospects:

Fees:

Students should complete a 6-week practice at a company or research institute
Graduates may go on to a variety of subject-specific careers in research laboratories, educational institutions, hospitals, clinics, environmental agencies, and pharmaceutical food, agricultural and chemical companies. Graduate study opportunities: MS programs: molecular biology, biology, bioengineering, environmental science.

Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 6,000 USD/yea

## Academic discipline:

## Degree:

Qualification:
Duration:
Credits obtained:
Aim of the program:

Practice:

## Year

1

2

3

## nternship, practice:

Career prospects:

Fees:

Natural Sciences
Bachelor of Science (BSc)
Chemist (with Bachelor of Science Degree)
6 semesters
The bachelor's degree requires the completion of 180 credits.
The aim of this study program is the training of chemists possessing theoretical and practical knowledge in chemistry as well as satisfactory basic knowledge in east one foreign language. Degree holders will be able to apply their knowledge in recognizing and solving practical problems in industrial chemical production, in analytical, agricultural, and quality assurance laboratories, as well as in various fields of administration and environmental protection

- high school certificate

English language proficiency (TOEFL 513 /IELTS 5.5/oral examination) entrance examination in chemistry, mathematics (written and oral) 39\%

Main subjects typically include (this list is indicative and may change):

## Main subjects

Mathematics, Physics for Engineers, History and Structure of the EU, Enviromental Science, Basic Chemical Informatics, General Chenistry, Topics in Modern Chemistry, Inorganic Chemistry, Organic Chemistry, Introductory Physical Chemistry Laboratory, Nuclear Chemistry
conomics and Management, Inorganic Chemistry, Physical Chemistry, Organic Chemistry, Chemistry, Industrial Placement Techiques, Chemical Technology, Spectroscopy, Colloid Chemistry, Industrial Placement

Quality Management, Organic Chemistry, Biochemistry, Chemical Technology, Environmental Chemistry and Technology, Thesis, Visits at Chemical Companies, Thesis

## N/A

Graduates with a bachelor's degree in chemistry will find themselves qualified for entry-level positions as clinical laboratory technologists, chemists, or material scientists. Graduate study opportunities: MSc programs in chemistry, chemical engineering, molecular biology
Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 6,000 USD/year

## Degree:

## Qualification:

Duration:
Credits obtained:
Aim of the program:
Earth scientists research the specific and complex earth system, studying its Earth scien is composition, structure, history, material and energy flow and transformation protected together with features and processes that may prove to be hazardous for mankind. Earth scientists aim to understand both the long-term and short-term results of global and regional natural and anthropogenic processes.
The numerous applied fields of earth sciences (e.g. raw material exploration, water supply protection, volcanology, seismology, weather forecasting, alternative and enewable energy resources) fundamentally influence the quality of our everyday fe, as well as environment.

Entry requirements:
high school certificate
English language proficiency (TOEFL 513 /IELTS 5.5/oral examination) entrance examination in Geography and Mathematics (written and oral)

## Lecture, Seminar: $\quad 65 \%$

Practice:
Main subjects typically include (this list is indicative and may change):
Year

## Main subjects

Fundamentals of Mathematics, Fundamentals of Physics, Basics of the Environment, Mineralogy and Geology, Basics of Biology, Basics of Computer Science, Introduction to Chemistry European Union Studies, General and Historical Geology, Eart Sciences fieldwork, physical Structural Geology, Physical Geography, Cartography, Biogeography, Atmospheric Resources Hydrology and Hydrogeology, Geology and Physical Geography, Climate
Geothermics, Surface Analyses, Thesis

## Internship, practice:

 university or research laboratory.Career prospects: Siversity or research laboratory

Fees:
Natural Sciences
Bachelor of Science (BSc)
Earth Scientist
6 semesters

1

2
3
er il companies, or research instrie ins.

Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 6,000 USD/yea

## Academic discipline:

## Degree:

## Qualification:

Duration:
Credits obtained:

## Aim of the program:

## Entry requirements:

## ecture, Seminar

## Practice

## Year

1

2

3

## Internship, practice

Career prospects:

Fees:

Natural Sciences
Bachelor of Science (BSc)
Geographer
6 semesters
The bachelor's degree requires the completion of 180 credits.
The geography BSc program trains professional geographers who have deep insight into spatial processes. Relying on their strong geoinformatical knowledge base, graduates of the program are able to understand natural, environmental, technical and social phenomena and to develop applied science-based solutions.
high school certificate
English language proficiency (TOEFL 513 /IELTS 5.5/oral examination) entrance examination in Geography and Mathematics (written and oral)

## 61\%

Main subjects typically include (this list is indicative and may change):

## Main subjects

Basic of the Environment, European Union Studies, Basics of Geology, Basics of Geology practical, Cartography, Orientation and Navigation, Population and Settlement Geography Meteorology and Climatology, Basics of Computer Science, Introduction to Sociology, General and Historical Geology, Geoinformatics, Physical Geography, Soil Geography, Basics

Structural Geology, Physical Geography, Biogeography, Fundamentals of the Economic Seograph, EU Policies, Ceogrophial iny Biog Mas social Geography, Physical Geography of Europe, Human Geography of Europe
conomic Basis of Geography, Fundamentals of Political Geography, Physical Geography of the World, Social Geography of the World, Field Trip, The History of the Geographical Mind, Thesis

Students should complete a 6-week practice at an external company or institution
Graduates can choose from a wide range of career opportunities including working as an environment assistant for the Environment Agency, government researcher, resource planner, orin business development.

Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 6,000 USD/yea

1
2

3

## Degree:

Qualification:
Duration:
Credits obtained:

## Entry requirements:

Lecture, Seminar: Practice: 38\%

Main subjects typically include (this list is indicative and may change):

## Year Main subjects

Basics of Mathematics, Introduction to Algebra and Numbers, Linear Algebra, Combinatorics and Graph Theory, Sets and Functions, Ceometry, Algebra, Introduction to Analysis
Algebra, Number Theory, Differential and Integral Calculus, Computer Ceometry, Linear Programming, Differential and Integral Calculus in Several Variables, Measure and Integra Theory, Applied Number Theory, Algorithms in Algebra and Number Theory, Numerical
Analysis

Ordinary Differential Equations, Differential Geometry, Probability Theory, Introduction to Cryptography, Economic Mathematics, Nonlinear Optimization, Vector Analysis, Statistics, Analysis with Computer, Computer Statistics, Thesis

## Internship, practice:

N/A

## Career prospects:

Fees:

## Natural Sciences

Bachelor of Science (BSc)
Mathematician
6 semesters
The bachelor's degree requires the completion of 180 credits).
The program provides students with knowledge of basic elements of the most important mathematical fields. Students of mathematics will attain skills in fundamental methods of applied mathematics which are useful for technical provides a standard of knowledge and competence to students that will make them eligible for second cycle course units or degree programs.

- high school certificate

English language proficiency (TOEFL 513 /IELTS 5.5/oral examination) entrance examination in mathematics (written and oral)

Amathematician can be employed in various industries. Undergraduate and master's degrees will suffice for most government and teaching jobs in this fast-growing field, and doctorates allow for research positions at private businesses. Graduate study opportunities: MSc in mathematics, MSc in applied mathematics, MSc in software engineering

Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 6,000 USD/year

## Academic discipline:

## Degree:

Qualification:
Duration:
Credits obtained:

## Aim of the program:

## Entry requirements:

 Practice:Year
1

2

3
nternship, practice:
Career prospects:

Fees:

Students of the Physics BSc program obtain a thorough training in subject areas pertaining to Physics - from mechanics to particle physics
hey learn about the physical laws governing our environment and get acquainted with the basic constituents and structure of matter. During the BSc program they acquire practical knowledge in physics, computing, and technology
Apart from learning about physics, students will learn how to think and plan logically and solve problems efficiently.
Natural Sciences
Bachelor of Science (BSc)
Physicist (with Bachelor of Science degree)
6 semesters
high school certificate
English language proficiency (TOEFL 513 /IELTS 5.5/oral examination)

- entrance examination in mathematics and physics (written and oral)

64\%

Main subjects typically include (this list is indicative and may change):

## Main subjects

Mathematics in Physics, Basics of Measurement and Evaluation, Differential and Integra Calculus, Linear Algebra, Classical Mechanics, Basic Computer Skills in Physics, Thermodynamics Thermodynamics, Differential and Integral Calculus of Multivariable Functions

Condensed Matter, Electromagnetism, Ordinary Differential Equations, Probability Theory nd Statistics, Laboratory practical: Mechanics, Optics, Thermodynamics, Introduction acs, Electrodynamics, Electrodynamics practicals, Condensed Matter Laboratory Practices
Introduction to Electronics, Condensed Matter, Quantum Mechanics, Nuclear Physics, Basic Environnen Nuclear Physics libol Pis wor Atom and Nuclear Physics laboratory work, Thesis

Students should complete a 6 -week practice at an external company or institution
The solid basic education in natural sciences that our Physics BSc program provides is a foundation for further studies not only in physics, chemistry, and biology, but also in engineering, informatics, and economics.

Application fee 150 USD, entrance procedure fee 350 USD uition Fee: 6,000 USD/yea


One-tier medical programs

## Academic discipline:

## Degree:

Qualification:

## Duration

Credits obtained:

## Aim of the program:

Master degree in Dentistry (MS
Dentist". The certificate is a document verifying the awarding of a dental degree abbreviated as dr. med. dent. (D.M.D.)

0 semesters
Minimum number of credits needed to earn the D.M.D. degree: 300 credits.
The five year program has been carefully structured and designed to ensure the high standard of knowledge, skills, and responsibility of dental surgeons.
To treat patients successfully and safely students must have sufficient motor skills to work with hand and electric instruments. Students must be able to perform palpation, percussion, auscultation and other diagnostic procedures.
Students must have reliable gross and fine motor skills, sense of touch and vision. Students are required to be capable of operating all dental equipment, including both high- and low-speed handpieces. Students must be able to take an accurate dental and medical history from the patient. Students must be able to analyze and interpret X-ray and radiographic images necessary for proper diagnosis.
Students must be able to perform a visual and tactile dental examination including the observation shape, color, and abnormalities both extra and intraorally, Students must be able to discuss problems and treatment with the patients, gathe and exchange information, give directions during treatment and give advice to the patients. Students must have positive personal qualities such as respect, understanding and concern for others and also must exhibit professional doctor behavior.

Entry requirements:
high school certificate
entrance examination in biology and physics/chemistry (written and oral) or successful completion of the Basic Medicine Course at the University of Debrecen $42 \%$
$58 \%$
Practice 58\%

Main subjects typically include (this list is indicative and may change):
Year

## Main subjects

1
Biophysics, Biostatistics, Hu dontology, Cell Biology, First Aid and Resuscitation, Medical Genetics, Molecular Biology, Oral Anatomy, Histology, Embryology, Preventive Dentistry
2
Biochemistry, Dental Physiology, Hungarian Language, Introduction to Prosthodontics Prosthodontics, Neurobiology
3
Clinical Biochemistry, Dental Microbiology, Dosimetry, Radiation Health Effects, Genera Pathology, Hungarian Language, Immunology, Propedeutics and Technology of Total and Partial Removable Dentures, , dontotochnology, Oral Biology, Periodontology Propedeutics, Retontive Dentistry, Basic Surgical Techniques, Bioethics, Clinical Biochemistry, Introduction to Dental Radiology, Propedeutics and Technology of Fixe
Oral Surgery Propedeutics, Organ and Oral Pathology

Complex Dentistry, Dental Pharmacology, Dermatology, Internal Medicine, Oral Surgery Orthodontics, Otolaryngology, Periodontology, Preventive Dentistry, Preventive Medicin and Public Health, Prosthetic Dentistry, Restorative Dentistry, Surgery, Digital Dentistry,
Emergency Medicine, Internal Medicine, Pediatric Dentistry, Propedeutics

5 Complex Dentistry, Forensic Medicine, Neurology, Oral Medicine, Oral Surgery, Pediatric Dentistry

## Internship practice

Career prospects

## Fees:

Summer practices
In the course of the fourth and fifth year students complete their clinical practice while they treat patients of various departments

The degree is accepted in the entire EU and several other countries around the world Access to further study: Ph. D. studies, specialization. Specialist training is available in the disciplines of: restorative and prosthetic dentistry, orthodontics, pediatric dentistry, periodontics, dento-alveolar oral surgery, and maxillofacial oral surgery
Application fee 150 USD, entrance procedure fee 350 USD
Tuition Fee: 16,000 USD/year
plus a fee of 2,200 USD/year or 1,200 USD/semester from the 3rd year on covering he costs of materials)

## Academic discipline:

## Degree:

Qualification:

Duration
Credits obtained:
The objectives of the six-year Medicine program are determined by well-established standards of medical education and designed to reflect the unique strengths and goals of University of Debrecen Faculty of Medicine. We aim to train medical doctors ho, based on the acquisition of knowledge, professional skills, medical skills a attitude during their training, will be able to take part in activities pertaining to the
functioning of the healthcare system by performing particular jobs as part of their professional commitment. Our graduates will demonstrate dedication to compassionat care, advocacy, and service. They will have both the knowledge and skills to enroll following a successful exam in a specialty field, will continue their career of the chosen specialty by working as specialists; in possession of the requiredtheoretical knowledge and practical skills, they will become successful candidates for training at PhD schools.

Entry requirements:
high school certificate
entrance examination in biology and physics/chemistry (written and oral) or successful completion of the Basic Medicine Course at the University of Debrecen
Lecture, Seminar:
Practice:

Main subjects typically include (this list is indicative and may change):
Year

## Main subjects

| 1 | Basics of Behavioral Sciences, Biophysics, Biostatistics, Communication Skills, First Aid and Resuscitation, Hungarian Language, Medical Chemistry, Anatomy, Histology, Embryology Cell Biology, Medical Genetics, Molecular Biology |
| :---: | :---: |
| 2 | Anatomy, Histology, Embryology, Biochemistry, Hungarian Language, Medical Physiology Neurobiology |
| 3 | Basic Oncology, Basic Surgical Techniques, Clinical Biochemistry, Hungarian Language Immunology, Medical Anthropology, Medical Microbiology, Pathology, Propedeutics of Interna Medicine, Clinical Physiology, Internal Medicine, Medical Microbiology, Medical Psychology, Medical Sociology, Pathology |
| 4 | Internal Medicine, Obstetrics and Gynecology, Orthopedic Surgery, Pharmacology, Preventive Medicine and Public Health, Pulmonology, Radiology and Nuclear Medicine, Surgery, Traumatology Behavioral Medicine, Bioethics, Clinical Genetics, Stomatology, Urology |
| 5 | Behavioral Science, Dermatology, Emergency Medicine, Family Medicine, Forensic Medicine Infectology, Internal Medicine, Neurology, Pediatrics, Psychiatry, Anesthesiology and Intensive | Infectology, Internal Medicine, Neurology, Pediatrics, Psychiatry, Anesthesiology and Intensiv are, Clinical Oncology, Forensic Medicine, Ophthalmology, Otolaryngology, Thesis

## Internship practice

## Career prospects:

Summer practices
Interim Practical Blocks
6th year practices/internship (35 weeks)
Graduates may continue their education by joining one of the doctoral schools r master programs, or they can join the specialization program. Graduate doctors can work clinically, for example as a general practitioner, private specialist, at a hospital or in the municipal health services,
Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 16,900 USD/year


Academic discipline:

## Degree:

Qualification:

Duration
Credits obtained:
Aim of the program:

Medical and Health Science
Master degree in Pharmacy (MSc)
"Pharm.D." The certificate is a document verifying the awarding of the Doctor of Pharmacy degree, abbreviated as dr. pharm. (Pharm. D.)

10 semesters
Minimum number of credits needed to earn the Pharm. D. degree: 300 credits.
The program is designed to provide graduates with the core skills and knowledge required for improving patient health through innovative and collaborative pharmacy practice, medication therapy management, and research. The degree covers the chemical, physical, medical, pharmaceutical, pharmacological and therapeutic properties of medical substances, prescription drugs, and over-the counter medications, as well as the application of these products in pharmacy practice, medication therapies, and health care.
Entry requirements:
high school certificate
entrance examination in biology and physics/chemistry (written and oral) or successful completion of the Basic Medicine Course at the University of Debrecen

Practic 44\%
$56 \%$

Main subjects typically include (this list is indicative and may change):
Year

## Main subjects

General Chemistry Theory, General Chemistry Practice, Hungarian Language, Latin Language Mathematics, Pharmaceutical Biology, Pharmacy Propedeutics, Physics, Biophysics, Inorganic and Qualitative Analytical Chemistry, Organic Chemistry, Pharmaceutical Anatomy, maceutical Biology, Physical Chemistry
Botany, Colloid and Surface Chemistry, Human Physiology, Hungarian Language, Organic Chemistry, Pharmaceutical Biochemistry, Physical Chemistry, Quantitative Analytical Chemistry, Pharmaceutical Technology, Pharmacognosy, Quantitative Analytical Chemistry
Clinical Biochemistry, Medical Hungarian, Pharmaceutical Chemistry, Pharmaceutical Neurobiology, Pharmaceutical Psychology, Pharmaceutical Technology, Pharmacognosy, mmunology

Medical Microbiology, Pharmaceutical and Bioanalytical Chemistry, Pharmaceutical Bioanalytics and Biotechnology, Pharmaceutical Technology, Pharmacology, Preventive Medicine and Public位 ment and Organization

Career prospects: The Pharm.D. degree and diploma qualify graduates to work in community and hospital pharmacies, laboratories, at pharmaceutical research institutions, in the pharmaceutical industry, at R\&D companies, academic institutions, governmental and regulatory agencies, health maintenance organizations, and also as medical service representatives.

Application fee 150 USD, entrance procedure fee 350 USD Tuition Fee: 8,000 USD/year


Dates and deadlines to remember

Application Deadlines
for September admission

| PhD programs | 15 May |
| :--- | :--- |
| Medical and health science programs | 31 May |
| Non-medical programs | 15 June |

## for January/February admission

Non-medical programs and PhD programs
15 November
Basic Medicine Course II
1 November

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 Hungary. Debrecen has a small-town feel, with all a big city has to offer. A variety of cozy restaurants with local and international cuisine, cafés, wine bars, and ruin pubs add to the "taste" of life in Debrecen.
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 Welliness Centre w/ Mediterranean Aqua Park
- Kölcsey Convention Center - the largest conference center of Eastern Hungary (capacity: 1,150 people)
- MODEM (Modern and Contemporary Arts Centre)
- Debrecen Zoo
- Debrecen Swimming Pool complex
- Déri Museum



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