The University is often referred as the city within a city since its 25,000 students and 7,000 academic and non-academic staff form the biggest community in Szeged.

There is a great choice of cultural and sports programmes throughout the year in town and at the university such as the International Cultural Event to which not only students, but ambassadors are also invited to watch the prestigious show, or the SZIN (Youth Days of Szeged), which takes place at the bank of river Tisza, giving home to concerts and other events for four days.

Public transport, the biggest cycling community in Hungary, swimming pools, baths, theatres and cinemas are here to serve visitors and students while staying in town.

One of Szeged’s iconic buildings, the red-brick Dóm, is among the largest cathedrals and its façade and stairs provide a stage for the famous Szeged Open-Air Festival. The church and the Dóm square combine the characteristics of a Mediterranean style piazza with the formal brick architecture.

Szeged is among the best European University Towns (CondéNast Traveler – 2014). According to the Trivago travel site Szeged is the 5th on the list considering the best price-value rates of travel destinations.
In 2018 the University was ranked the highest of the Hungarian higher education institutions on the Quacquarelli Symonds (QS) World University list

Best Hungarian University in 2017 (QS World University Rankings)

Campus of the University of Szeged became the most beautiful in the country

University of Szeged was ranked as 662nd according to University Ranking by Academic Performance (URAP) in 2017

Ranked among the top 601-800. (Times Higher Education World University Rankings 2017)

Best Hungarian University in 2016 (QS World University Rankings)

‘Very good International Student Satisfaction Award’ based on the international students opinion in 2016

7th out of the 50 Most Amazing University Libraries in the World

University of Szeged is still the “greenest” Hungarian university according to UI Green Metric World Ranking

‘University of Szeged appears amongst the world’s most elite universities with 7 disciplines’ – Quacquarelli Symonds (QS)

Distinguished University title (Hungary) 2013

Exclusive Research University title of Hungary 2010

Nobel Laureate and the one-time rector of the University of Szeged, Albert Szent-Györgyi received the Nobel Prize in 1937

Szeged: 8th of the Best University Towns in Europe
FACULTY OF SCIENCE & INFORMATICS

ORGANISATION

Institutes of the Faculty:
- Institute of Biology
- Institute of Chemistry
- Institute of Environmental Science and Technology
- Institute of Geography and Geology
- Institute of Informatics
- Bolyai Institute / Institute of Mathematics
- Institute of Physics

Doctoral Schools:
- Biology, Chemistry, Computer Science, Geosciences, Environmental Sciences, Mathematics, Physics

STUDY PROGRAMMES OFFERED IN ENGLISH

<table>
<thead>
<tr>
<th>Study Level</th>
<th>Name of programme</th>
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<tr>
<td>MSc</td>
<td>Biology</td>
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<td>MSc</td>
<td>Computer Science</td>
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<td>MSc</td>
<td>Chemistry</td>
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<td>Geography</td>
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<td>PhD</td>
<td>Mathematical Sciences</td>
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<td>PhD</td>
<td>Physics Science</td>
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</table>

OPPORTUNITIES FOR STUDENTS

- intensive practical training
- extensive scientific and industrial partnership in the international projects of our institutes
- research possibilities in the Szeged Biological Research Centre
- collaboration with the ELI-ALPS Laser Research Centre, an integral part of European scientific research institutions

SCHOLARSHIPS

- Stipendium Hungaricum Scholarship Programme: assisting students from various regions of the world to attend the Faculty
- Erasmus + programme for education: 642 partner universities in 31 countries and 828 cooperation agreements
- CEEPUS: student mobility and summer schools with 65 partner universities in 9 networks
About the Programme

The programme provides our students with a rigorous and challenging curriculum to help them succeed in their post-academic and professional endeavours. The first year of the 4-semester-long programme consists of lectures, seminars and practical training in advanced genetics, molecular biology, biotechnology, bioinformatics, immunology, cell biology, microbiology and plant biology. Both the basic and the applied/industrial science aspects of these disciplines will be studied extensively. In the second year students will have several laboratory courses in different aspects of molecular biology, cell biology, biotechnology, microbiology and plant biology. Graduates of the Faculty usually choose their careers in research laboratories, educational institutions, hospitals, clinics, environmental agencies, and pharmaceutical, food, agricultural and chemical industries. Successful graduates can also continue their studies and research by applying for our international Biology PhD programme at the University of Szeged.

Specialisation options: the programme offers many more specialised lectures that are tailored to the students’ individual interests.

Social integration of our students is important to us. Our academic and support staff, therefore, offer an allround advisory service providing both academic and extracurricular activities. A coordination office helps the students during their entire stay in Szeged.

Who should apply?

The programme is open to qualified students who hold a Bachelor’s degree (or equivalent degree) from an accredited university in biology, chemistry, medicine, pharmacy, agriculture or related fields.

Application requirements: fully completed and signed application form, BSc degree* from an accredited university or higher education institution, a demonstrated proficiency in English (TELC / ECL B2, TOEFL IBT – 72, PBT – 550, Cambridge First Certificate B, IELTS – 5.5), copy of passport, 2 recommendation letters from recognised academic persons, recent medical certificate of satisfactory general health status, a CV, a motivational letter, an individual interview (online) and the payment of the 35 EUR non-refundable application fee.

Scholarship: There are numerous scholarships available to cover the tuition fee (e.g. Stipendium Hungaricum, for details see the website of Tempus Public Foundation).

Start of the programme: September of each year

For more information please consult http://www.sci.szeged.hu/english/graduate-programs/biology-msc or contact Dr. Zsolt Bereczki via bereczki.zsolt@bio.u-szeged.hu or call +36 62 343 975 regarding the application process or details of the programme.

Level of the programme: Master
Duration of the programme: 4 semesters
Registered in: EU
Credits: 120

*Academic Records: an official English version OR translation of your full bachelor’s transcript including an explanation of the grading system and an official English version OR translation of your bachelor’s diploma.
Chemistry

About the Programme

Students of the programme acquire an extended knowledge and understanding of the most important experimental and theoretical principles in chemistry.

The basic theoretical education contains courses in mathematics, physics and informatics. Students prepare their own short-term research projects in the second semester. This is a requirement for laboratory training. Presentation skills are also developed during this training. The programme ends with a final examination. A prerequisite for graduation is the successful defence of a Thesis work, which is the result of two semesters of research in one of the research groups at the Institute. One of the most distinguished professor of our university was the late Albert Szent-Györgyi, who was awarded the Nobel prize in 1937.

Specialisation options: Pharmaceutical chemist, material science chemist, analytical chemist. Our graduates pursue careers as professional chemists in chemical and related industries or in public service.

Who should apply?

We expect students to be interested in the subdisciplines of chemistry, such as inorganic, organic, biological, physical and analytical etc.

Application requirements: fully completed and signed application form, BSc degree from an accredited university or higher education institution in Chemistry, demonstrated proficiency in English (TELC / ECL B2, TOEFL IBT – 72, PBT – 550, Cambridge First Certificate B, IELTS – 5.5), copy of passport, 2 recommendation letters from recognised academic persons, recent medical certificate of satisfactory general health status, a CV, motivation letter, individual interview (online), and payment of the 35 EUR non-refundable application fee.

Scholarship: Scholarships are available to cover the tuition fee (Stipendium Hungaricum, for details see the website of Tempus Public Foundation).

Start of the programme: September of each year

Level of the programme: Master
Duration of the programme: 4 semesters
Registered at the Hungarian Accrediting Committee
Credits: 120

*Academic Records: an official English version OR translation of your full Bachelor transcript including an explanation of the grading system, and an official English version OR translation of your Bachelor degree.

For more information please consult http://www.sci.u-szeged.hu/english/graduate-programs/chemistry-msc or contact Prof. Istvan Palinko via palinko@chem.u-szeged.hu or call +36 62 544 288 regarding the application process or details of the programme.
About the Programme

The aim of the programme is to train computer scientists who can develop, create, apply, implement and operate IT systems at an advanced level either individually or as a team member. Furthermore, our programme provides the cooperative and modelling skills required to solve and research IT related problems and ensures the solid theoretical background necessary to pursue PhD studies.

The basic theoretical fields are Foundations of Computing, Graph theory, and Analysis. These fields are foundational for further, more practice-oriented studies, including Software technology (Advanced programming, Program systems development, Software development, Web technologies, Parallel programming), Image processing, and Artificial Intelligence (Machine learning, Data mining). Research areas cover Foundations of Computing, Algorithms, Artificial Intelligence, Image processing, Optimisation and Software engineering. Our graduates pursue careers in Information Technology.

Who should apply?

We welcome applicants who are interested in broad topics of computer science and applied mathematics, and it is an advantage if the applicant has bachelor studies in computer science or a closely related field.

Application requirements: fully completed and signed application form, BSc degree* from an accredited university or higher education institution in Computer Sciences or in related field, a demonstrated proficiency in English (TELC / ECL B2, TOEFL IBT – 72, PBT – 550, Cambridge First Certificate B, IELTS – 5.5), copy of passport, 2 recommendation letters from recognised academic persons, recent medical certificate of satisfactory general health status, a CV, a motivational letter, an individual interview (online) and the payment of the 35 EUR non-refundable application fee.

Scholarship: it is available to cover the tuition fee (e.g. Stipendium Hungaricum, for details see the website of Tempus Public Foundation).

Start of the programme: September and February of each year.

Level of the programme: Master
Duration of the programme: 4 semesters
Registered in: EU
Credits: 120

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*Academic Records: an official English version OR translation of your full Bachelor’s transcript including an explanation of the grading system, and an official English version OR translation of your Bachelor’s degree.

For more information please consult http://www.sci.u-szeged.hu/english/graduate-programs/computer-science-msc
or contact
Dr. Tamás Vinkó
via tvinko@inf.u-szeged.hu or call: +36 62 546 193
regarding the application process or details of the programme.
About the Programme

The aim of the Geography MSc programme is to train professional Geographers with expertise in the fields of landscape and environmental management as well as regional and urban planning. Graduates of the programme are able to understand the spatial aspects of environmental, and social processes, to develop research-based solutions, to demonstrate and communicate research results, to plan and manage the sustainable development of natural and human environment and to influence policy-making.

The skills and competencies gained during the programme meet the expectations of various types of employers from local and regional administration, to management and planning authorities (e.g. environmental protection, urban development). Through IT knowledge, and analytical skills graduates are able to participate in planning processes, to prepare studies and policy documents and to work independently.

The basic courses include geographical research methods, modelling and simulation, project management, regional policy and spatial development, political and social geography, landscape planning and environmental risk assessment. The core fields of studies are spatial data collection and analysis, visualisation, environmental planning, urban planning, rural development, place marketing, vegetation analysis and hydrological planning. From the 2nd semester students start to work on a research project leading to an MSC thesis by the end of the 4th semester. The MSc programme is finished by a final examination. Successful graduates can continue their studies and research in the frame of geosciences PhD program at the University of Szeged.

Application requirements:
- fully completed and signed application form
- BSc degree* from an accredited university or higher education institution in Geography or a related field, a demonstrated proficiency in English (TELC / ECL B2, TOEFL IBT – 72, PBT – 550, Cambridge First Certificate B, IELTS – 5.5),
- copy of passport,
- 2 recommendation letters from recognised academic persons,
- recent medical certificate of satisfactory general health status,
- a CV, a motivational letter, an individual interview (online) and the payment of the 35 EUR non-refundable application fee.

Scholarship:
- it is available to cover the tuition fee (e.g. Stipendium Hungaricum, for details see the website of Tempus Public Foundation).

Start of the programme: September of each year

Level of the programme: MSc
Duration of the programme: 4 semesters
Registered in: EU
Credits: 120

*Academic records: an official English version OR translation of your full bachelor's transcript including an explanation of the grading system, and an official English version OR translation of your bachelor's degree.

For more information please consult:
http://www.sci.u-szeged.hu/english/graduate-programs/geography-msc
or contact
Dr. Ferenc Kovács
kovacsf@geo.u-szeged.hu
regarding the application process or details of the programme.
PhD studies are possible in all biology disciplines currently pursued in the biology departments of the Faculty of Science and Informatics of the University of Szeged and at the Biological Research Centre of HAS Szeged, with special emphasis on molecular and experimental fields. The major fields are anthropology, biochemistry, biotechnology, cell biology, ecology, genetics, microbiology, molecular biology, neurobiology, and plant biology. A four-year scholarship for the PhD studies is sponsored by governmental and non-governmental organisations. The Departments of the University of Szeged and the research groups of the Biological Research Centre maintain close cooperation with laboratories both in Europe and overseas.

Some research areas: Biochemistry and Molecular Biology; Biotechnology; Physiology and Neurobiology; Genetics; Microbiology; Plant Biology; Human Biology; Ecology and Evolution.

Who should apply?
We expect applicants to be interested in the research programmes published on our website.

Application requirements: submitted online application form, MSc degree* in a related field, demonstrated proficiency in English (TELC / ECL B2, TOEFL IBT – 72, PBT – 550, Cambridge First Certificate B, IELTS – 5.5), CV in English, individual interview in person or online during which the applicant’s motivation and research proposal will be examined, payment of the 35 EUR non-refundable application fee and a recent medical certificate of satisfactory general health status (not older than 1 month).

Scholarship: Scholarships are available to cover the tuition fee (e.g., Stipendium Hungaricum, for details see the website of Tempus Public Foundation).

Start of the programme: September and February of each year.

For more information please consult http://www.u-szeged.hu/doctoral/biology-phd or contact Prof. Csaba Vágvölgyi at csaba@bio.u-szeged.hu or call +36 62 544 822 regarding the application process or details of the programme.
This postgraduate curriculum is for students who have a graduate degree (MSc) in chemistry, chemical engineering, high school chemistry teaching or pharmacy.


Some research areas: Synthesis of post-translationally modified peptides; Development of new separation methods for proteomics; Surface photochemistry; Nanoscale self-organisation processes in hetero-epitaxial systems; Heterogeneous catalysis at the nanoscale; Chemistry and biochemistry of anticarcinogenic and antidiabetic metal complexes; Electrochemistry for solar energy conversion; Cyclisation reactions of D-secosteroids; Quantum chemical applications in the area of vibrational spectroscopy and structure research.

Who should apply?

Application requirements: submitted online application form; attached documents of MSc degree in related fields (chemistry, chemical engineering, pharmacy or other relevant subject)*, English proficiency (TELC/ECL B2, TOEFL IBT – 72, PBT – 550, Cambridge First Certificate B, IELTS – 5.5), proof of previous scientific achievements (publications, posters, etc.) motivation letter in which the applicant states the selected research topic from those offered by the Doctoral School of Chemistry, individual interview online and the payment of the 35 EUR non-refundable application fee.

Scholarship: Scholarships are available to cover the tuition fee (e.g. Stipendium Hungaricum, for details see the website of Tempus Public Foundation).

Start of the programme: September and February of each year.

* Academic Records: an official English version of your full Master’s transcript including an explanation of the grading system, and an official English version or translation of your Master’s degree.
This PhD educational programme requires active and productive research work under the supervision of the thesis adviser, the completion of five courses, and active participation in seminars at the Institute of Informatics. The courses embrace a number of fields in computer science.


Some research areas: Theory of automata and formal languages; Theory of economic decisions; Advanced programming paradigms; Machine learning algorithms; Natural language processing; Discrete tomography; Medical image analysis; Noise and fluctuations in various systems; Pneumatic artificial muscles.

Who should apply?

We expect applicants to be interested in the research programmes published on our website.

Application requirements: submitted online application form, MSc degree in a related field, demonstrated proficiency in English (TELC/ECL B2, TOEFL IBT – 72, PBT – 550, Cambridge First Certificate B, IELTS – 6.5), CV, 2 letters of recommendation, Individual interview online, during which the applicant's motivation and research proposal will be examined, payment of the 35 EUR non-refundable application fee and a recent medical certificate of satisfactory general health status (not older than 1 month).

Scholarship: it is available to cover the tuition fee (e.g. Stipendium Hungaricum, for details see the website of Tempus Public Foundation).

Start of the programme: September and February of each year

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Level of the programme: PhD
Duration of the programme: 4+4 semesters
Registered in: EU
Credits: 240

For more information please consult http://www.u-szeged.hu/doctoral/computer-sciences-phd or contact Dr. Tamás Vinkó at tvinko@inf.u-szeged.hu or call +36 62 546 193 regarding the application process or details of the programme.

*Academic Records: an official English version or translation of your full Master's transcript including an explanation of the grading system, and an official English version or translation of your Master's degree.

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Computer Science

About the Programme

This PhD educational programme requires active and productive research work under the supervision of the thesis adviser, the completion of five courses, and active participation in seminars at the Institute of Informatics. The courses embrace a number of fields in computer science.


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Scholarship: it is available to cover the tuition fee (e.g. Stipendium Hungaricum, for details see the website of Tempus Public Foundation).

Start of the programme: September and February of each year

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Level of the programme: PhD
Duration of the programme: 4+4 semesters
Registered in: EU
Credits: 240

For more information please consult http://www.u-szeged.hu/doctoral/computer-sciences-phd or contact Dr. Tamás Vinkó at tvinko@inf.u-szeged.hu or call +36 62 546 193 regarding the application process or details of the programme.

*Academic Records: an official English version or translation of your full Master's transcript including an explanation of the grading system, and an official English version or translation of your Master's degree.
Environmental Sciences

About the Programme

Environmental education at the University of Szeged has been internationally acknowledged for decades. The doctoral school carries out activities concerning the environmental aspects of the fields of chemistry, biology, physics, and geography, among others. Due to the interdisciplinary aspects of environmental science, PhD students of the programme have to choose at least one basic course that is not related to their own research topic and a minimum of four courses related to the research topic of the PhD student. Rigorous coursework develops abilities concerning environmental sciences and specific knowledge in the research fields related to the research programme of the Doctoral School.

The major fields are: Environmental Biochemistry and Biotechnology, Conservation Ecology, Environmental Physics, Environmental Geography, Environmental Geology, Environmental Chemistry and Analytics, Environmental Chemical Technology and Material Science, Environmental Engineering.

Sample research areas:
- Biotechnology as green chemistry
- Population and conservation genetics of arthropods
- Photoacoustic spectroscopic gas detection
- Evaluation of environmental changes by geographical methods
- The role of sulphur in petroleum formation and in coalification processes
- Adsorption and photocatalytic decomposition of hydrocarbons derivatives.

Who should apply?

Application requirements:
- Fully completed online application form with the necessary documents attached;
- MSc degree and good university marks in the field of any environmental sciences including chemistry, biology, geography, physics and environmental engineering.
- Certificates of language proficiency in English: at least intermediate level certified by internationally accredited language examination (TELC B2, ECL B2, TOEFL iBT test score of at least 72, or PBT score at least 550; Cambridge First Certificate at least “B”; IELTS score of at least 5.5) and the payment of the 35 EUR non-refundable application fee.

Specific expectations: students having previous scientific work in these fields. We expect students to be interested in one of the themes of the supervisors (members of the Doctoral School of Environmental Sciences) published on the webpage of the Doctoral School. Applicants should contact the relevant professor of the Doctoral School and agree on the given research theme.

Scholarship: Scholarships are available to cover the tuition fee (e.g.: Stipendium Hungaricum, for details see the website of Tempus Public Foundation).

Start of the programme: September and February of each year

For more information please consult http://www.u-szeged.hu/doctoral/environmental-sciences-phd or contact Prof. Zoltán Kónya DSc at konya@chem.u-szeged.hu or call +36 62 544 620 regarding the application process or details of the programme.

Level of the programme: PhD
Duration of the programme: 4+4 semesters
Registered in: EU
Credits: 240

* Academic Records: an official English version OR translation of your full Master’s transcript including an explanation of the grading system, and an official English version OR translation of your Master’s degree.
Geosciences

About the Programme

Geography education and research have a long and internationally acknowledged tradition at the University of Szeged. The Doctoral School offers a broad range of research topics and courses. The Doctoral School ensures the appropriate infrastructural background for the work of the students: well-equipped laboratories with state-of-the-art laboratory and field equipment and IT facilities. The Institute of Geography and Geology is committed to high standards of research, and the research fields are continuously evolving in response to new challenges in the subject.

Educational Programmes and sample research areas of the Doctoral School: Spatial Changes and Forms of Human-Economic Processes (e.g. Political geography, Population geography and migration studies, Urbanisation, Health geography, Environmental justice, Geography of tourism, Transportation geography), Geology (e.g. Geochemistry, Petrology, Modelling of fractured fluid reservoirs, Microtectonics, Geothermal systems, Hydrogeology, Applied geomathematical modelling, Stochastic simulations, Geoarcheology, Quaternary geology and paleoenvironments), Geomorphology (e.g. Fluvial geomorphology, Aeolian processes, Hydrogeography, Geomorphological hazards, Geochronology, Shallow geophysics, Applied remote sensing and geoinformatics, Applied geographical modelling) and Geoecology (e.g. Soil Science, Vegetation dynamics, Biogeography, Environmental / landscape changes, Environmental risks and hazards, Climate change, Urban climatology, Human bioclimatology).

Level of the programme: PhD
Duration of the programme: 4+4 semesters
Registered in: EU
Credits: 240

For more information please consult http://www.u-szeged.hu/doctoral/geosciences-phd or contact Prof. Gabor Mezősi at mezosi@geo.u-szeged.hu or call +36 62 544 155 regarding the application process or details of the programme.

About the Programme

Geography education and research have a long and internationally acknowledged tradition at the University of Szeged. The Doctoral School offers a broad range of research topics and courses. The Doctoral School ensures the appropriate infrastructural background for the work of the students: well-equipped laboratories with state-of-the-art laboratory and field equipment and IT facilities. The Institute of Geography and Geology is committed to high standards of research, and the research fields are continuously evolving in response to new challenges in the subject.

Educational Programmes and sample research areas of the Doctoral School: Spatial Changes and Forms of Human-Economic Processes (e.g. Political geography, Population geography and migration studies, Urbanisation, Health geography, Environmental justice, Geography of tourism, Transportation geography), Geology (e.g. Geochemistry, Petrology, Modelling of fractured fluid reservoirs, Microtectonics, Geothermal systems, Hydrogeology, Applied geomathematical modelling, Stochastic simulations, Geoarcheology, Quaternary geology and paleoenvironments), Geomorphology (e.g. Fluvial geomorphology, Aeolian processes, Hydrogeography, Geomorphological hazards, Geochronology, Shallow geophysics, Applied remote sensing and geoinformatics, Applied geographical modelling) and Geoecology (e.g. Soil Science, Vegetation dynamics, Biogeography, Environmental / landscape changes, Environmental risks and hazards, Climate change, Urban climatology, Human bioclimatology).

Level of the programme: PhD
Duration of the programme: 4+4 semesters
Registered in: EU
Credits: 240

For more information please consult http://www.u-szeged.hu/doctoral/geosciences-phd or contact Prof. Gabor Mezősi at mezosi@geo.u-szeged.hu or call +36 62 544 155 regarding the application process or details of the programme.

Who should apply?

The Doctoral Programme is open to MSc graduates who are interested in the research programmes published on our website.

Application requirements: submitted online application form, MSc degree in related fields, a demonstrated proficiency in English (TELC / ECL B2, TOEFL IBT – 72, PBT – 550, Cambridge First Certificate B, IELTS – 5.5), CV, 2 recommendation letters from recognised academic persons, and a recent medical certificate of satisfactory general health status (not older than 1 month); individual interview online, where the applicant’s motivation and research proposal will be examined, and the payment of the 35 EUR non-refundable application fee.

Scholarship: Scholarships are available to cover the tuition fee (e.g. Stipendium Hungaricum, for details see the website of Tempus Public Foundation).

Start of the programme: September and February of each year.

*Academic Records: an official English version OR translation of your full Master’s transcript including an explanation of the grading system, and an official English version OR translation of your Master’s degree.
Mathematics

About the Programme

The duration of this PhD educational programme is 2+2 years. The students have to complete at least 5 courses. The Bolyai Institute offers 5 general courses (Algebra, Theory of Measure and Integra, Topology, Discrete Mathematics, Probability Theory), 27 basic courses and several dozens of specialised courses. Most lectures are given by members of the Bolyai Institute or, occasionally, by invited experts.

Educational programmes of the Doctoral School include Algebra, Analysis, Dynamical Systems, Geometry, Combinatorics and Theoretical Computer Science, and Stochastics.

Some research areas: Semigroup theory, Approximation theory and orthogonal polynomials, Numerical solutions, computer simulation of dynamical systems, Theoretical computer science, Asymptotic distributions in probability theory: domains of attraction and partial attraction.

Who should apply?

We expect applicants to be interested in the research programmes published on our website.

Application requirements: fully completed MSc degree in mathematics, proof of English proficiency (TELC B2, ECL B2, TOEFL-IBT: 72, or -PBT - 550; Cambridge First Certificate at least “B”; IELTS - 5.5), scanned transcripts* of previous studies, letters of recommendation from two mathematics professors and the payment of the 35 EUR non-refundable application fee. Applicants should choose an educational programme when applying for PhD training.

Application procedure: evaluation of attached documents (in pdf format; diploma, transcripts, certificate of proficiency in English, two letters of recommendation, earlier creative work in mathematics if any, the applicant’s ideas about possible research fields) and a Skype interview.

Scholarship: financial assistance is available to cover the tuition fee (e.g.: Stipendium Hungaricum, for details see the website of Tempus Public Foundation).

Start of the programme: September and February of each year

Level of the programme: PhD
Duration of the programme: 4+4 semesters
Registered in: EU
Credits: 240

For more information please consult http://www.u-szeged.hu/doctoral/mathematics-phd or contact Prof. Gábor Czédli DSc at czedli@math.u-szeged.hu or call +36 62 544 093 regarding the application process or details of the programme.

*Academic Records: an official English version OR translation of your full Master’s transcript including an explanation of the grading system, and an official English version OR translation of your Master’s degree.
Physics

About the Programme

The Doctoral School of Physics is based on the research fields of astrophysics, biophysics, laser physics, optics, radiography and nuclear medicine, solid state physics and laser-matter interaction, theoretical and mathematical physics. The School offers graduate courses in a broad range of physics, including atomic and molecular physics, optics and laser physics, material science, mathematical physics, astrophysics, biophysics, clinical radiology and nuclear medicine. Well-equipped laboratories are available for experimental research projects. Facilities include several high intensity and ultrashort-pulse lasers; atomic force, optical and electron microscopes; spectrophotographs; vacuum chambers; clinical CT, MR and SPECT equipment; a computer network; and an astronomical observatory. The research projects are funded by national (OTKA, NFÜ) and international (mainly EU) agencies.


Some research areas: UV photoablation of polymers and biological materials; Computational modelling of biomolecules; Laser-plasma interactions; Harmonic generation; Spectroscopy of biomembranes and membrane proteins; Nuclear medicine; Extrasolar planets, optical photometry and time series analysis of astronomical objects; Black holes; Cosmology; Gravitational waves.

Who should apply?

We expect applicants to be interested in the research programmes published on our website.

Application requirements: fully completed and signed application form, MSc degree* from an accredited university or higher education institution in Physics, demonstrated proficiency in English (TELC / ECL B2, TOEFL IBT – 72, PBT – 550, Cambridge FC B, IELTS – 5.5), copy of passport, 2 recommendation letters from recognised academic persons, recent medical certificate of satisfactory general health status, CV, motivation letter in which the applicant states the selected research topic from those offered by the Doctoral School of Physics, Individual Interview (online), and payment of the 35 EUR non-refundable application fee.

Scholarship: Scholarship is available to cover the tuition fee (e.g.: Stipendium Hungaricum, for details see the website of Tempus Public Foundation).

Start of the programme: September and February of each year

For more information please consult http://www.u-szeged.hu/english/study-programmes/physics-phd or contact Dr. Zoltán Keresztes at zkeresztes.zk@gmail.com or call +36 62 544 813 regarding the application process or details of the programme.

Level of the programme: PhD
Duration of the programme: 4+4 semesters
Registered in: EU
Credits: 240

*Academic records: an official English version or translation of your full Master’s transcript including an explanation of the grading system, and an official English version or translation of your Master’s degree.
POSTGRADUATE SPECIALIST TRAINING IN LASER PHYSICS

Non-Degree Programme

Duration of the course: 2 semesters
Language of tuition: English
Degree: none

Description of the programme:
The aim of the training programme is to complete and upgrade the knowledge of a Physics degree with specialization in laser Physics and light matter interactions.

Application procedure:
Please consult the following website: http://www.sci.u-szeged.hu/english/graduate-programs/postgraduate-specialist

Application requirements:
Possess a master degree in Physics without a specialization in laser physics, or have a degree in electrical engineering with a sufficient background in Physics.

For further information please consult:
http://www.sci.u-szeged.hu/english/graduate-programs/postgraduate-specialist

or contact:
Dr. Zoltán Horváth at z.horvath@physx.u-szeged.hu

The Mentor System of the University: Erasmus Student Network

ESN Mentors, as members of a non-governmental, volunteer-based student organisation in Europe, are volunteers who help foreign students settling down in Szeged. In co-operation with the University, they help newly arrived students starting their academic and social life at SzTE and Szeged. ESN and their events bring international students closer to the to the local community and last but not least, they make friends with them, all in order to provide opportunities for cultural understanding and self-development under the principle of students helping students and to build a more peaceful and unified Europe of tomorrow.

SZTE Faculty of Science and Informatics Experience

Amin Alawar from Lebanon – Biology PhD student

Being awarded the Stipendium Hungaricum scholarship, I came from Lebanon to Szeged. Student life here is astonishing; I simply adore being a student at SZTE. A variety of foreign scholars, and young people have arrived here from all corners of the world. After having finished with academic work at the lab, there is still time for relaxing. The town itself is also impressive – my favourite place is Széchenyi square.

Joseph Kanyi Kihika from Kenya – Biology MSc student

Having arrived safely at this beautiful city of Szeged turned out to be one of the best moments of my life as I began this amazing life as an international student. On my first day during my arrival the warm reception I got from a wonderful team of mentors from the ESN (Erasmus Student Network) was truly amazing and a day I will remember for the rest of my life. I went to the new biology building that houses many fully fitted lecture rooms and well maintained laboratories, used by many students from different departments for both MSc and PhD research projects. The lecture rooms are fitted with comfortable seats and they are very spacious and can hold hundreds of students at once during a single lecture session.

Lilian Anchola from Kenya – Mathematics PhD student

I never imagined sitting face to face with distinguished people from all cultures, religions and all walks of life. I never imagined having friends in such seemingly remote yet personally close place. I was completely awed and struck by the cleanliness of the University. Moreover, lush of greenery and vibrant colored flowers at the park made me feel at home. I was given a warm welcome. I enjoy my studies comfortably in air-conditioned and brightly illuminated, well equipped with high-quality projector and expensive rooms fitted with high-speed internet access throughout the university. From this first encounter, I am very proud of being one of the Szegedian students as we prioritize education and discipline.
For the details of the admission process, please go to our website:
www.ttik.eu
www.sci.u-szeged.hu/english
www.facebook.com/szte.ttik/

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