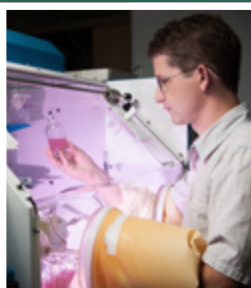
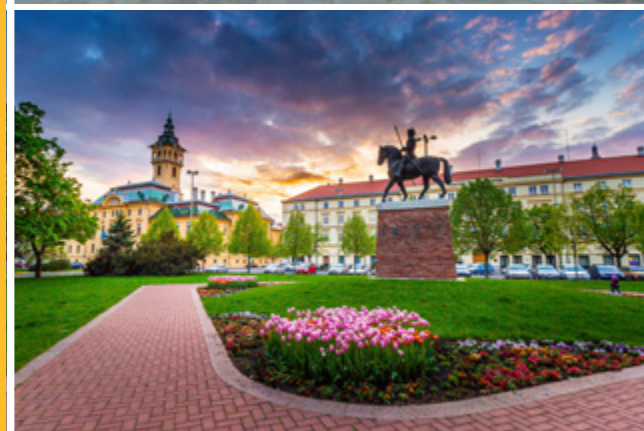




SZTE UNIVERSITY
OF SZEGED

FACULTY OF SCIENCE AND INFORMATICS





Szeged as the second hometown of International Students

The University is often referred as the city within a city since its 25000 students and 7000 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 facade 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.

SZTE UNIVERSITY OF SZEGED

AWARDS & RANKINGS

- **Best Hungarian University** in 2017 (QS World University Rankings)
- **Campus of the University of Szeged** became the most beautiful in the country



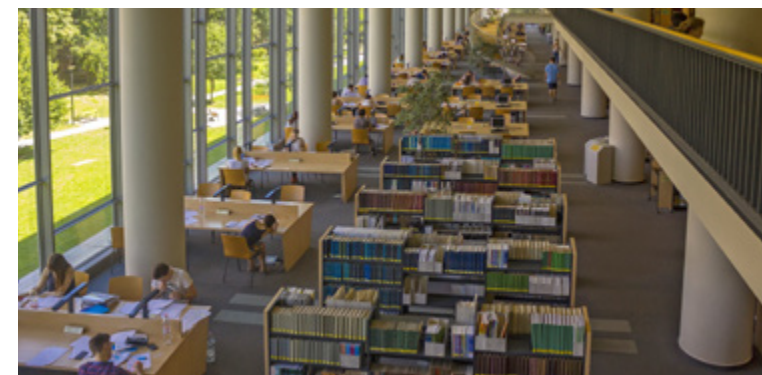
- University of Szeged was ranked as 662nd according to University Ranking by Academic Performance (URAP) in 2017
- Ranked **among the top 601-800.** (Times Higher Education World University Rankings 2017)



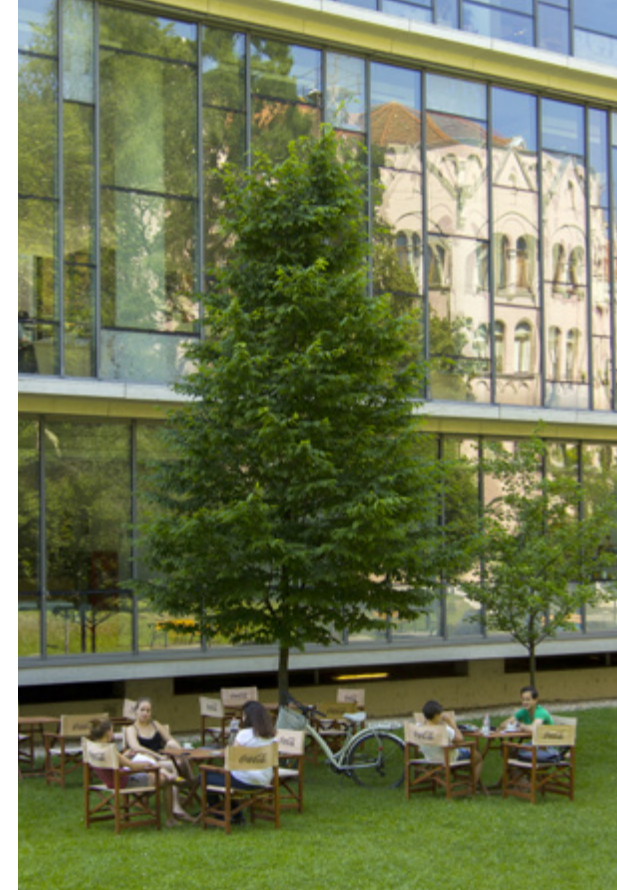
- **Best Hungarian University** in 2016 (QS World University Rankings)
- **'Very good International Student Satisfaction Award'** based on the international students opinion in 2016
- 7th out of the 50 **Most Amazing University Libraries in the World**



- 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

Study level	Name of programme
MSc	Biology
MSc	Computer Science
MSc	Chemistry
MSc	Geography
PhD	Biology
PhD	Chemical Science
PhD	Computer Science
PhD	Environmental Sciences
PhD	Geosciences
PhD	Mathematical Sciences
PhD	Physics Science

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:** 442 partner universities in 31 countries and 828 cooperation agreements
- **CEEPUS:** student mobility and summer schools with 65 partner universities in 9 networks



Biology

Molecular Biology-Immunology-
Microbiology

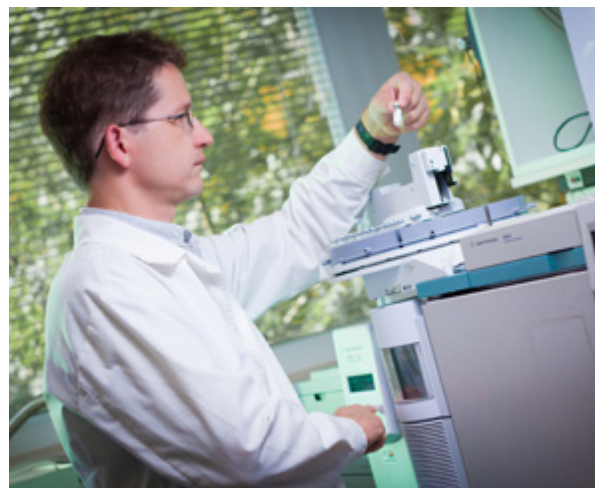
About the Programme

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.

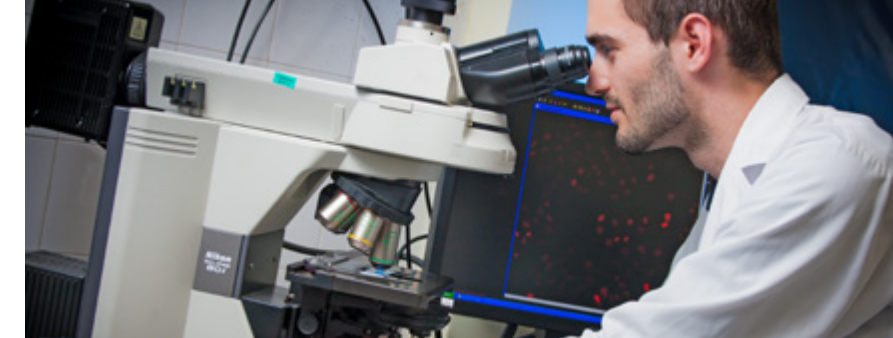
Specialisation options: the programme offers many more specialised lectures that are tailored to the students' individual interests.

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.

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.



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 200 USD 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.u-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.



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 200 USD 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.

i 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.

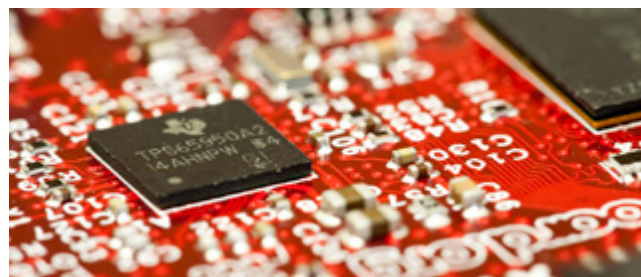


Computer Science

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 200 USD 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

*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.



Geography

About the Programme

The aim of the Geography MSc program is to train professional geographers who have deep insight into **landscape and urban development**. Graduates of the programme are able to understand the natural, environmental, technical and social phenomena and processes, to develop research and applied science-based solutions, to demonstrate the results of their research and to plan and manage the sustainability of the natural and human environment. Successful graduates can also continue their studies and research in the Geosciences PhD program at University of Szeged.

Based on the current needs of the labour market, employers expect a comprehensive theoretical background to fulfill the requirements of various positions in relevant fields, a thorough IT knowledge, an analytical approach, and the ability to participate in development planning processes, to compile professional studies and documents and to work independently. The skills and competencies covered during this four-semester programme have been developed according to these needs.

The **basic courses** cover the fields of geographical research methods, 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 models, urban planning, rural development, place marketing, vegetation analysis, and hydrological planning. Beginning in the third semester, students start a research project which forms the basis of a qualifying thesis. All MSc candidates must also pass a final examination.

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



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 200 USD 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



*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. Viktória Blanka
 via blankav@geo.u-szeged.hu or call **+36 62 343 236**
 regarding the application process or details of the programme.



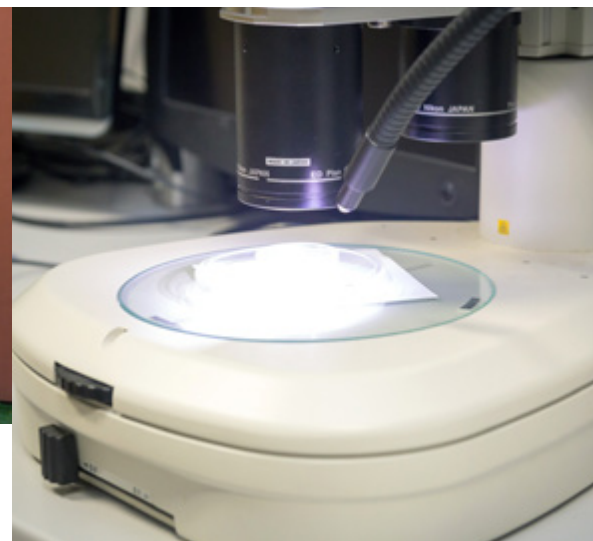
Biology

About the Programme

PhD studies are possible in all biology disciplines currently pursued in the biology departments of the Faculty of Science 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?

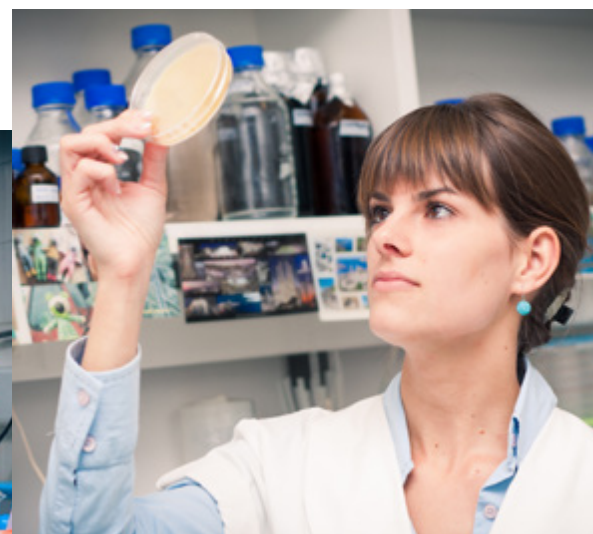
We expect applicants to be interested in the research programmes published on our website.

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, 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

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.



For more information please consult
<http://www.u-szeged.hu/doctoral/biology-phd>
 or contact

Prof. Csaba Vágvolgyi
 at csaba@bio.u-szeged.hu or call **+36 62 544 822**
 regarding the application process or details of the programme.



Chemical Science

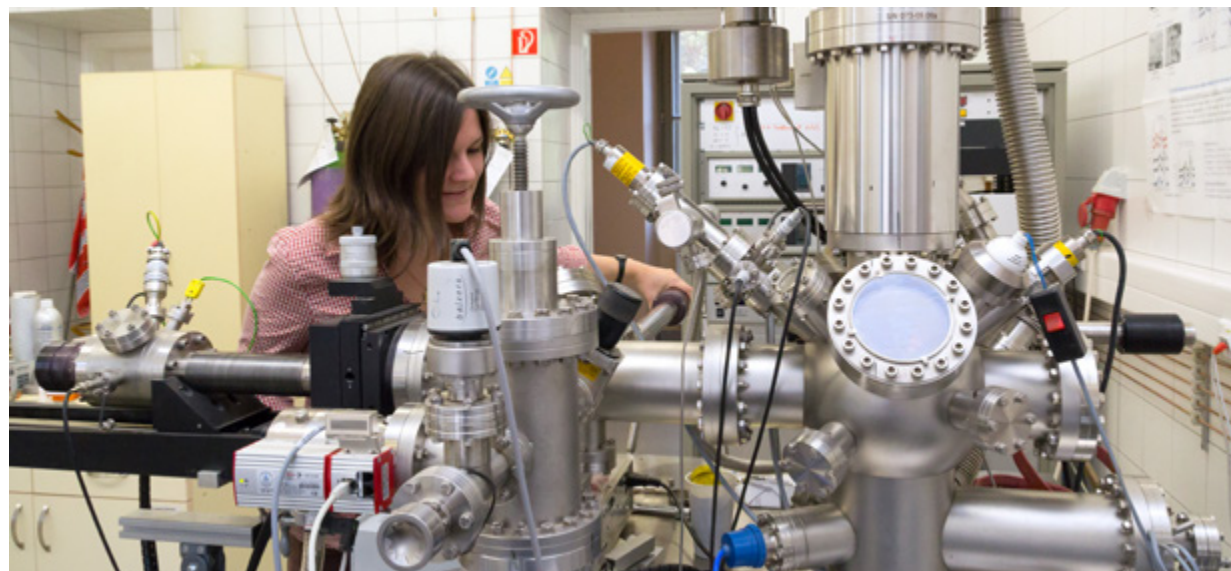
About the Programme

This postgraduate curriculum is for students who have a graduate degree (MSc) in chemistry, chemical engineering, high school chemistry teaching or pharmacy.

The major fields are: Analytical Chemistry, Bioorganic Chemistry, Catalysis Surface-Colloid and Material Science, Chemistry of Coordination Compounds, Physical Chemistry, Synthetic Organic Chemistry, and Theoretical Chemistry.

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 of conducting polymers; Photoelectrochemistry for solar energy conversion; Cyclisation reactions of D-secosteroids; Quantum chemical applications in the area of vibrational spectroscopy and structure research.

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



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.

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/chemistry-phd>
or contact

Prof. Tamás Kiss DSc
at tkiss@chem.u-szeged.hu or call **+36 62 544 337**
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.



Computer Science

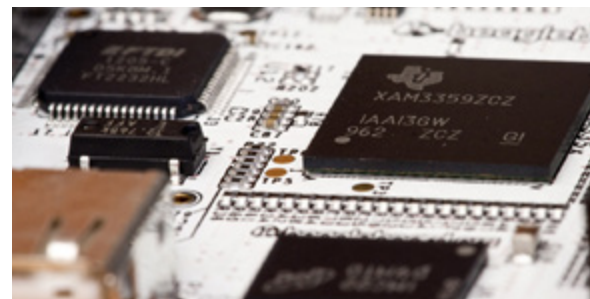
About the Programme

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.

Educational programmes of the Doctoral School: Theoretical Computer Science, Operations Research and Combinatorial Optimisation, Software engineering, Artificial intelligence, Image processing, Electrical and computer engineering.

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.

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.



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**, **2 letters of recommendation** submitted in a signed and sealed envelope or directly sent to the Dean's Office, **individual interview** online, during which the applicant's motivation and research proposal will be examined, 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



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.



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.



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

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.

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.



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).

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.



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.



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 paleoenvironment), **Geomorphology** (e.g. Fluvial geomorphology, Aeolian processes, Hydrogeography, Geomorphological hazards, Geochronology, Shallow geophysics, Applied remote sensing and geoinformatics, Applied geographical modelling) and **Geoeecology** (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



*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.

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, TOE FL 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.

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/geosciences-phd>
or contact

Prof. Gabor Mezösi
at mezosi@geo.u-szeged.hu or call **+36 62 544 155**
regarding the application process or details of the programme.



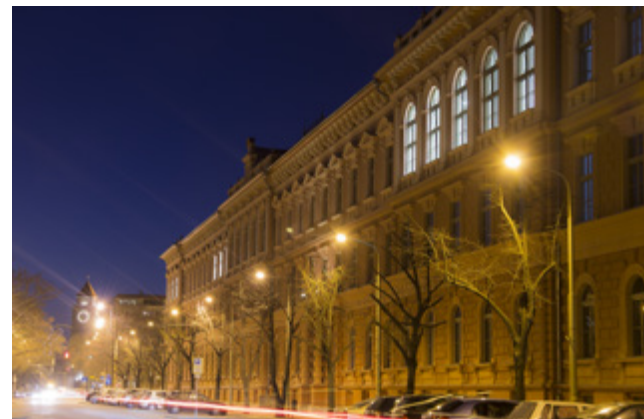
Mathematics

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.



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.



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. 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



For more information please consult
<http://www.u-szeged.hu/doctoral/mathematics-phd>
 or contact

Prof. Gabor Czedli DSc
 at czedli@math.u-szeged.hu or call **+36 62 544 093**
 regarding the application process or details of the programme.



Physics

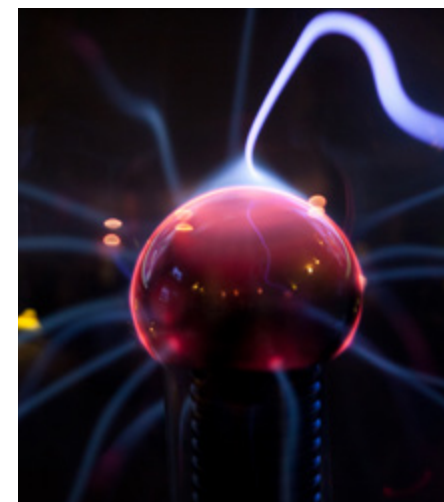
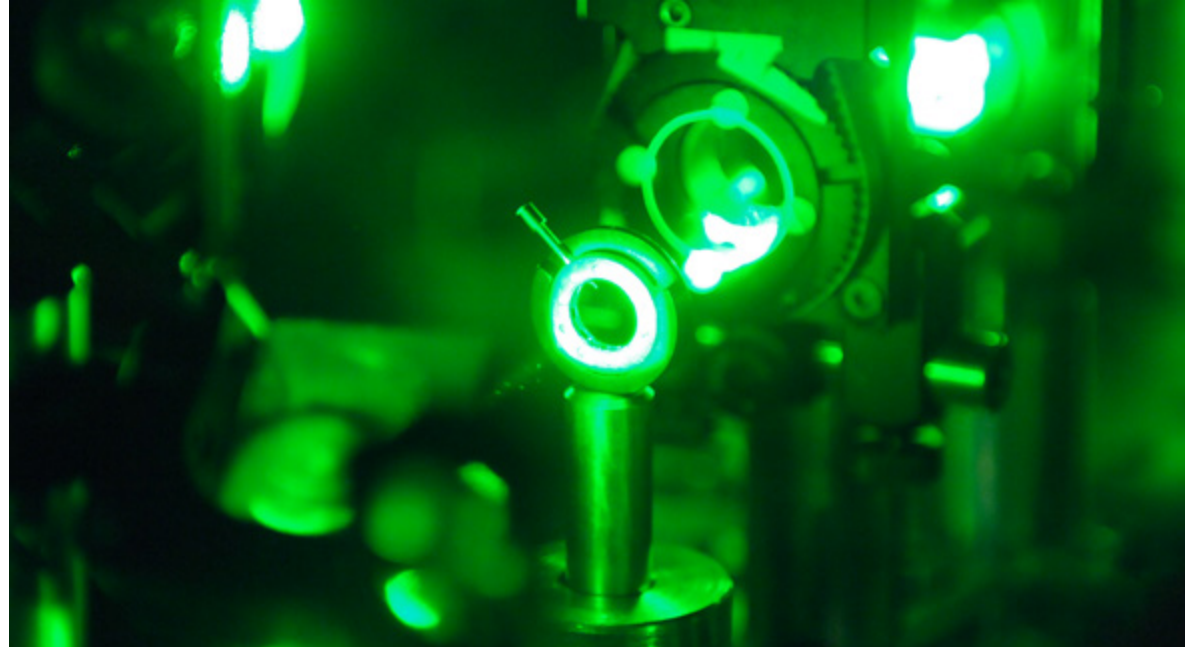
About the Programme

The Doctoral School of Physics is based on the research fields of astrophysics, biophysics, laser physics, optics, radiology 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; spectrographs; 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.

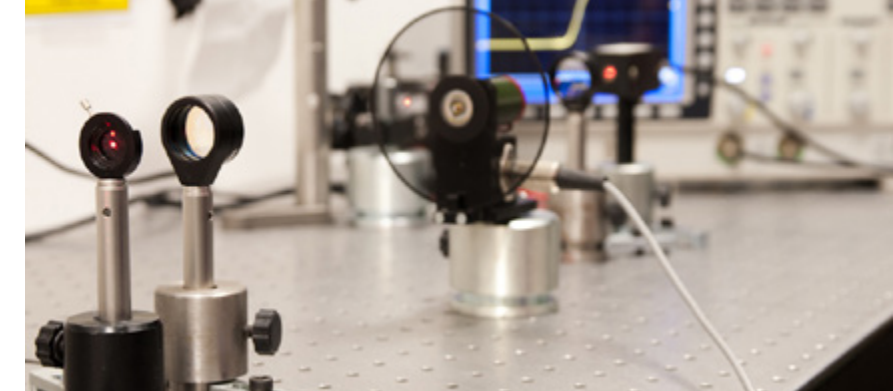
Educational programmes of the Doctoral Schools: astrophysics, biophysics, laser physics, optics, radiology and nuclear medicine, solid state physics and laser-matter interaction, theoretical and mathematical physics.

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.

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.



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 200 USD 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.



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:

The application form can be downloaded from the home page of the Department of Physics:

<http://www.physx.u-szeged.hu/angol/fizika.php?ID=33>

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.

Application fee:

200 USD

(non-refundable)

Entrance examination fee:

250 USD

(only applicable if entrance examination is required)

Tuition fee:

3370 USD

per semester



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 cooperation 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 Libanon – 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 lecturer 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 caliber projectors 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/

Photos: Anna Bobkó, József Dobsa, Dr. Tamás Mátyás Gál, Zoltán Győri, Dr. János Karsai, Dr. Tímea Kiss, Gyula Nagy, Tímea Orosz, Dr. József Szatmári, Dr. Péter Szilassi, Károly Vass

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